APPENDIX III

Petrographic Report

Vancouver Petrographics Ltd.

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October 27, 1989
Our file # 8519

Dear Mr. Frostad, Re: Petrographic Descriptions V-216

Petrographic analyses were completed for 17 samples. The results are summarized on the attached table. I have attempted to group the samples on the table according to textures and compositions. Photomicrographs are attached which illustrate textures, mineralogy and intensity of alteration.

The report is on WP5 diskette and the table on Lotus IBM compatible. The negatives are also on file if additional copies should be required at any time.

I found cut, etched and stained surfaces to be helpful in distinguishing among hand specimens.

Yours very truly,

Ken Northcote

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DDH 2 - 60.2

Diorite

Fine grained holocrystalline, seriate, interlocking crystals of plagioclase, and amphibole.

Sericitic alteration of plagioclase. Amphibole very pale, some alteration to epidote, cabonate, sphene, and association with opaques (in part alteration product, ilmenite?)

Stained slab indicates no K-feldspar, etching shows plagioclase and no conspicuous quartz. Nonmagnetic <5%, pyrite and (ilmenite?).

Rock forming minerals.

Plagioclase; 60%, subhedral, (<.05 to 3.0 mm), laths, interlocking texture with amphibole. Weak to moderate sericitic alteration, locally aggregates of fine granular epidote. Twinning masked. RI approximately as for epoxy. Indicated composition upper oligoclase/lower andesine range. Some grains show albitized margins.

Amphibole; 20%, subhedral/euhedral, (.05 to 2.0 mm) somewhat irregular/shredded terminations. Clusters of grains. Some alteration to epidote, carbonate and ilmenite(?). Colourless to very pale green tint.

Accessory minerals

Apatite, traces, euhedral, (<.05 to 0.1 mm)

Opaques; <5%, euhedral/anhedral, (<.01 to 0.4 mm), pyrite and ilmenite.

Alteration:

Epidote; 8%, anhedral, (<.01 to 0.4 mm), irregular grains, clusters of granules/grains, in amphibole and plagioclase.

Sphene; 2%, traces, anhedral, (<.01 to 0.1 mm), clusters of grains associated with epidote and amphibole.

Sericite; >5%, subhedral/anhedral, (<.01 to 0.1 mm), alteration of plagioclase.

Carbonate; traces anhedral (<.01 to 0.2 mm), associated with amphibole.

Veinlets

Epidote and plagioclase and Carbonate and epidote.

DDH 2 - 159.2

Granodiorite/quartz monzonite

Fine/medium grained, holocrystalline, seriate. Composed of plagioclase, K-feldspar (some microcline), quartz, with very minor chlorite/carbonate alteration after biotite (?).

Staining; K-feldspar obvious, distinct crystals but not uniform distributin throughout. Plagioclase conspicuous by etching. Quartz conspicuous, unetched.

Rock forming minerals

Plagioclase; 40%, subhedral, (0.1 to 1.5 mm), tabular crystals, interlocking, associated with interstitial K-feldspar and quartz. Weak sericitic, stronger semiopaque alteration dusting, traces carbonate. Twinning remnants visible, others are clear unaltered. Indicated composition in albite/oligoclase range.

K-feldspar; 30%, anhedral, (0.1 to 2.0 mm), irregular interlocking grains, interstitial to plagioclase; cutting or cut by quartz? Moderate red-brown semiopaque alteration dusting. Mottled texture under X-nicols. Remnants quadrille structure on some grains.

Quartz; 15%, anhedral, (<.05 to >1.0 mm), very irregular grains, interstitial to plagioclase.

Biotite/chlorite; 10%, anhedral, (<.01 to 0.1 mm), green pleochroic alteration of mafics (biotite), associated with carbonate.

Accessory minerals

Opaques; 3%, euhedral/anhedral, (.01 to 0.6 mm) in aggregates of grains.

Alteration

Carbonate; 2%, anhedral, (<.05 to 0.3 mm), associated with chlorite.

Chlorite; alteration of biotite

DDH 2 - 160.2

Altered coarse hornblende, (plagioclase) andesite porphyry.

Phenocrysts of altered amphibole and secondary amphibole with minor altered plagioclase in a felted groundmass of plagioclase, amphibole, sericite and epidote.

Phenocrysts:

Amphibole (hornblende); 20%, subhedral, (to 4.5 mm), irregular grains. (a) Colourless with pale green pleochroic flecks (b) Pale green/brown pleochroic.

Augite; suspected in colourless grains but consistently gave biaxial (-) interference figures.

Plagioclase; 15%, subhedral, (to 0.7 mm), grade in size downwards to groundmass size. Sericite and epidote alteration. Diffuse ghost-like remnants/outlines. Epidote clusters may have resulted from alteration of feldspar and mafics.

Groundmass:

Plagioclase; 25%, anhedral, (<.01 to 0.3 mm), interlocking grains, masked by sericite, epidote granules.

Amphibole (hornblende); 10%, anhedral, (<.05 to 0.3 mm) grading upwards to phenocrysts size. Weak felted, altered/secondary.

Accessory minerals

Apatite; <1%, subhedral, (to 0.15 mm).

Alteration

Sericite; 15%, anhedral, (<.05 to 1.1 mm), fibrous/plumose, felted aspect.

Epidote; 20%, anhedral, (<.01 to 0.2 mm), aggregates of granules with diffuse outlines. Pseudomorphs, (to >1.0 mm).

Carbonate; <5%, anhedral, (to 0.4 mm), irregular masses, fracture controlled. (Also as veinlets with feldspar).

Amphibole, see above, secondary.

Veinlets

Carbonate and plagioclase.

DDH 3 - 29.2

Fine altered hornblende andesite, weak porphyritic

Composed predominantly of plagioclase and amphibole (altered hornblende) with amphibole coarser than plagioclase. Both grade downwards from their coarsest sizes to finer felted groundmass with finer component predominating.

Stained slab shows no K-feldspar or quartz.
Opaques; <5% pyrite

Rock forming minerals

Amphibole (hornblende); 30%, subhedral, (<.05 to 2.5 mm), prismatic, end sections showing characteristic cleavage. Alteration to secondary amphibole, epidote (euhedral/anhedral), carbonate, chlorite. Grades in size from coarse grained laths downwards to fine grains in felted groundmass. Ragged grains and terminations of coarser grains. A clot, (3 mm in diameter), of altered hornblende (?) and a pseudomorph of secondary felted amphibole are surrounded by microgranular semiopaque dusting.

Plagioclase; 40%, subhedral/anhedral, (<.05 to 1.0 mm), grades in size from coarser laths downwards to a fine felted groundmass. Weak alteration to sericite, epidote. Some remnant twinning. Indicated compostion is in oligoclase range.

Accessory minerals:

Opaques; <5%, euhedral/subhedral, (to 0.7 mm), pyrite.

Quartz; traces, anhedral, (to 0.2 mm), of grains associated with cluster of epidote, altered hornblende, and carbonate.

Alteration:

Secondary amphibole; percentage included above, anhedral, (<.05 to 0.2 mm), clusters of grains associated with other alteration minerals.

Sericite; <5%, anhedral, (<.01 to .05 mm), irregular grains and clusters of grains in plagioclase.

Chlorite; 10%, anhedral, (to 0.3 mm), irregular clots within hornblende with carbonate and epidote. Also irregular clots in groundmass.

Epidote; >5%, euhedral/anhedral, (to 0.2 mm) clusters of crystals, grains in the cores of hornblende grains. Also as clusters of grains scattered throughout groundmass.

DDH 3 - 29.2 Continued

Carbonate >5%, anhedral, (to 0.3 mm), rounded masses in the cores of some hornblende grains. Small clots scattered throughout groundmass. Also as veinlets with carbonate.

Veinlets

Carbonate and chlorite.

DDH 3 - 34.0 (Similar to DDH 3 - 29.2)

Fine altered hornblende andesine, porphyritic

Phenocrysts of alteredhornblende, lesser plagioclase grading downwards to groundmass size where plagioclase predominates in an interlocking matrix. Sericitic alteration of plagioclase. Hornblende is altered to carbonate, secondary amphibole, epidote. Carbonate and epidote occur as clusters of grains, clots throughout the groundmass.

Stained slab shows no K-feldspar. Nonmagnetic. Opaques; 2%, pyrite.

Rock forming minerals

Amphibole (hornblende); 20%, subhedral, (<.05 to >1.5 mm), slightly ragged grains. Grades downwards from coarser to fine component. Primary and secondary amphiboles, with secondary more fibrous less intensely altered than DDH 3 - 29.2. Secondary amphibole, chlorite, epidote and carbonate clusters are conspicuous.

Plagioclase; 40%, subhedral/anhedral, (<.05 to >1.0 mm). Gradation in grain size from coarse to fine. Finer grains, (0.1 to 0.2 mm), interlocking to felted. Moderately sericitic, weak epidote alteration. RI approximates or slightly lower than epoxy. Remnant twinning (poor) suggests oligoclase composition.

Accessory minerals:

Quartz; >1% anhedral, (to 0.5 mm), irregular elongate, in aggregates of grains with carbonate, chlorite, epidote. Impregnation?

Opaques; 2%, euhedral, (to >1.0 mm), pyrite.

Alteration:

Secondary amphibole; <10%, anhedral, (<.05 to 0.2 mm), clusters of grains associated with epidote, carbonate. Also concentrated along the margins of the carbonate vein.

Sericite; 5%, anhedral, (<.01 to 0.05 mm). Alteration of plagioclase.

Epidote; <15%, anhedral, (microgranular to 0.3 mm), clusters of grains associated with carbonate. Clouded, microgranular semiopaque or aggregates of grains (to >1.0 mm).

Carbonate; 10%, anhedral, (<.05 to 0.5 mm), clots scattered within groundmass and associated with other alteration minerals.

DDH 3 - 34.0 Continued

Veinlets

Carbonate, epidote, weak chlorite.

DDH 3 - 36.8

Altered hornblende, plagioclase, andesite/diorite.

Textures largely obliterated by alteration. Composed of phenocrysts of altered hornblende and lesser plagioclase in a finer plagioclase-rich groundmass. Hornblende pale green pleochroic, partially altered to chlorite and lesser carbonate, epidote and secondary amphibole. Plagioclase shows strong alteration to epidote granules and less conspicuous sericite.

Stained slab shows no K-feldspar. Opaques, <5% pyrite. Nonmagnetic.

Rock forming minerals:

Amphibole (hornblende); 30%, subhedral, (0.1 to 3.0 mm), predominantly as coarser phenocrysts but grades downwards to finer grains in feldspathic matrix. Pale green pleochroic. Moderate to strong alteration to chlorite, lesser epidote, carbonate and secondary amphibole.

Plagioclase; 35%, subhedral/anhedral, (<.01 to >2.5 mm). (a) Strong fine granular epidote alteration leaving diffuse margins showing outline of former crystals. Less conspicuous sericitic alteration. Twinning obliterated.

(b) second generation, untwinned albite (?), irregular grains, aggregates with quartz.

Quartz; traces, anhedral, (to 0.1 mm) irregular grains in clusters with albite (?).

Accessory minerals:

Opaques; <5%, euhedral (<.01 to 0.3 mm), pyrite. Uneven distribution as disseminations and clusters of grains.

Alteration:

Chlorite; <5%, anhedral, (<.01 to mm), aggregates of grains associated with chlorite alteration of hornblende.

Epidote; 25%, anhedral, (<.01 to 0.5 mm), aggregates of grains largely replacing feldspar. To a lesser extent with chlorite partially replacing hornblende. Close association with microgranular semiopaque grains in altered cores of plagioclase grains.

Secondary amphibole; percentage included above.

DDH 3 - 99.9

Porphyritic plagioclase andesite

Phenocrysts are Plagioclase phenocrysts in a groundmass of fine grained plagioclase, altered by clots and disseminated epidote. Less conspicuous sericite. Green biotite altered to chlorite, and minor muscovite/sericite comprises the mafic minerals.

Stained slab indicates very minor disseminated K-feldspar and veinlets. Opaques <1%.

Phenocrysts

Plagioclase; 20%, subhedral/euhedral, (0.2 to 1.75 mm), as single grains and clusters, glomerophenocrysts. Weak/moderate preferred orientation. Weak sericite, moderate epidote alteration. Twinning indicates composition in low andesine range with RI very low ((+)?)

Groundmass:

Plagioclase; 20%, subhedral/anhedral, (<.01 to 0.2 mm), as felted interlocking grains. Moderate to strong epidote alteration.

Biotite/chlorite; 15%, anhedral, (<.05 to 0.3 mm), bladed, radiating clusters of grains, medium brownish green to brownish pleochroism.

Alteration:

Muscovite/sericite; 5%, anhedral, (<.05 to 0.2 mm), bladed/acicular, associated with green biotite.

Chlorite; 10%, anhedral, (<.05 to 0.2 mm), bladed/plumose, radiating, alteration of biotite.

Epidote; 25%, anhedral, (microgranular to 0.3 mm), as aggregates of grains forming clots (to 1.0 mm), and as disseminations. Microgranular dusting.

Carbonate; trace, anhedral, (0.2 mm).

Impregnations ?

K-feldspar, <<5%, as indicated by stained slab. Not confirmed in thin section.

Veinlets:

Carbonate, chlorite and K-feldspar (visible in thin section and confirmed by stained slab).

DDH 3 -109.7

Altered Amphibole (hornblende), plagioclase porphyritic andesite.

Coarser hornblende and lesser plagioclase phenocrysts with gradation downwards to groundmass size. Groundmass of finer grained felted plagioclase and secondary (?) amphibole. Biotite alteration of amphibole (hornblende) and also clusters of grains with abundant epidote in matrix.

Stained slab indicates no K-feldspar. Nonmagnetic. Opaques; 1% pyrite.

Rock forming minerals

Amphibole (hornblende); 20 %, subhedral, (0.5 to 3.0 mm), as phenocrysts grading downwards in size from phenocrysts to smaller grains in matrix. Original hornblende (?) altered to pale pleochroic amphibole and subsequently partially altered (?) to acicular amphibole, biotite and carbonate.

Plagioclase; 30%, subhedral/anhedral, (<.05 to >1.0 mm), laths as phenocrysts, weak epidote, traces of sericite alteration.

Finer interstitial, interlocking grains of matrix show strong association with epidote, biotite and secondary (?) amphibole.

Alteration:

Epidote; 20%, anhedral, (<.01 to 0.3 mm), aggregates of grains forming clusters (to 1.0 mm). Yellow pleochroism.

Carbonate; 5%, anhedral, (0.2 to >1.0 mm), clusters of irregular grains disseminated through matrix and associated with altered mafics.

Secondary (?) amphibole, 10%, anhedral, (<.05 to 0.4 mm), acicular. Very slight pleohroism. Clusters of radiating grains.

Biotite; 15%, anhedral, (<.01 to 0.1 mm), partial alteration of amphibole phenocrysts. As clusters of irregular pale brownish pleochroic grains disseminated im matrix.

Veinlets:

Carbonate

DDH 3 - 145.6

Weakly porphyritic hornblende (?) andesite.

Hornblende (?) phenocrysts intensely altered to carbonate, and secondary amphibole. Groundmass composed of secondary acicular felted amphibole, and interstitial plagioclase in a fine granular network of aggregates of epidote grains. Scattered grains of sphene probably resulting from breakdown of primary mafics. Primary textures obliterated by alteration.

Stained slab shows no K-feldspar. Nonmagnetic Opaques 2% pyrite and ilmenite.

Phenocrysts

Hornblende (?),<10%, subhedral/anhedral, (0.1 to 1.0 mm), very irregular shredded appearance, colourless to very pale green tint as a result of alteration. Possible augite cores in some grains, strong alteration to acicular secondary amphibole, granular epidote and carbonate. Diffuse outlines of former phenocrysts.

Groundmass:

Plagioclase; 25%, anhedral, (<.01 to 0.1 mm), interstitial, interlocking grains.

Alteration: in groundmass

Epidote; 30%, anhedral, (<.01 to 0.3 mm), scattered coarser grains and aggregates but most abundantly as aggregates of fine grains forming a diffuse network among felted secondary amphibole.

Secondary amphibole; 25%, anhedral, (<.05 to 0.3 mm), acicular, felted.

Carbonate; <10%, anhedral, (<.05 to 0.2 mm), forming clots among secondary amphibole crystals.

Sphene; 2%, anhedral, (0.1 to 0.2 mm), irregular grains in matrix. Resulting from alteration of primary hornblende?

Opaques; 2%, pyrite, ilmenite associated with sphene.

DDH 3 - 168.6

Weakly porphyritic plagioclase, green biotite (altered hornblende) andesite.

Widely scattered coarser grained plagioclase phenocrysts and biotite (pseudomorphous after hornblende (?) in a finer felted plagioclase, biotite, epidote-rich matrix.

Stained slab indicates no K-feldspar. Nonmagnetic.

Phenocrysts:

Plagioclase; 10%, euhedral to subhedral, (0.3 to >1.0 mm), very weakly sericitic, more abundant epidote alteration in some crystals. Partial albitization. Twinning largely obliterated. Indicated compostition in oligoclase range (poor determination).

Biotite; 10%, anhedral, (<.05 to 0.2 mm), as clusters of grains forming pseudomorphs (to 3.0 mm), after hornblende (?). Associated with epidote. Some composite grains have a sieve texture enclosing small feldspar grains.

Epidote; <5%, anhedral, (<.05 to 0.2 mm), as clusters of grains forming pseudomorphs (to >0.5 mm), after (?). Associated with biotite.

Groundmass and alteration

Plagioclase; 25%, anhedral, (<.05 to 0.3 mm), stubby, felted interlocking, weak sericitic alteration. Partial albitization.

Biotite; 25%, anhedral, (<.05 to 0.3 mm) irregular grains, clusters of grains fairly uniformly distributed throughout matrix.

Epidote; 20%, anhedral, (microgranular to 0.5 mm), single grains and clusters of grains fairly uniformly distributed throughout matrix.

Carbonate; <5%, anhedral, (0.1 to 0.2 mm), irregular.

Quartz; <<5%, anhedral, (<.05 to 0.2 mm), small clusters of grains associated with epidote and carbonate.

Accessory minerals:

Apatite; traces, subhedral, (to 0.2 mm), as widely scattered clusters of 2 or 3 grains.

DDH 7 - 81.7

Altered porphyritic andesite (?).

Intense alteration has obliterated the orignial textures leaving diffuse semirounded and euhedral outlines of phenocrysts/lithic fragments completely replaced by granules of epidote, chlorite, carbonate, microgranular semiopaque dustings and recrystallized plagioclase (?). Produces a diffuse light and dark spotted appearance.

The rock matrix consists of a very fine felted to interlocking mixture of chlorite, carbonate and recrystallized feldspar.

Stained slab indicates a hairline K-feldspar veinlet. Nonmagnetic. Opaques; 2%, pyrite.

Phenocryst <u>pseudomorphs</u>/replaced lithic fragments (?) 20%

(a) Epidote (?) subhedral, (to 1.5 mm), composed of microgranules forming aggregates (to .05 mm).

(b) Chlorite/carbonate; subhedral (to 1.0 mm) composed of fine (<0.1 mm) bladed chlorite and carbonate, (<.01 to 0.2 mm). Some with opaque cores.

(c) Epidote/chlorite/carbonate; <u>irregular clusters</u> of grains (to >1.5 mm), replacing phenocrysts or glomerophenocrysts.

(d) Diffuse clots; (>0.1 to 5 mm). Epidote/chlorite/carbonate granules associated with semiopaque microgranular dusting obscuring component granules. The smaller clots are approximately the size of mineral components of the groundmass.

Groundmass:

Diffuse clots; 10%, (<.05 to 0.1 mm) composed of granules of epidote/chlorite/carbonate and semiopaque microgranular dusting of (d) above.

Chlorite; 30%, anhedral, (<.05 to 0.1 mm), <u>felted blades</u> comprising most of the groundmass.

Biotite; <10%, anhedral, (<.05 to 0.1 mm), irregular grains clusters of grains scattered throughout groundmass.

Carbonate; 10%, anhedral, (<.05 to 0.1 mm), irregular grains and aggregates of grains scattered throughout groundmass.

Plagioclase; 20%, anhedral, (<.05 to 0.1 mm), irregular <u>interstitial</u> grains. Colourless, featureless. Very low relief. Very low birefringence. Recrystallized, albitized (?).

DDH 7 - 81.7 Continued

Opaques; 2%, anhedral, (<.01 to 0.5 mm), aggregates of irregular grains. Pyrite.

DDH 7 - 96.5

Porphyritic foliated amphibole (biotite) andesite.

Pseudomorphs after original green-brown amphibole (hornblende), phenocrysts and clusters of phenocrysts altered to colourless to very pale green pleochroic amphibole, and biotite. Amphibole occurs as phenocrysts altered to colourless amphibole; and varied degrees of alteration to colourless acicular/weakly fibrous amphibole and biotite.

Groundmass composed of very fine granules of foliated amphibole, granules of epidote, biotite/chlorite with very fine interstitial featureless plagioclase.

Stained slab indicates discontinuous hairline veinlets and scattered grains of K-feldspar.

Phenocrysts/pseudomorphs; 20%, foliated, leaving brown-green remnants. Altered to :

(a) Amphibole; <5%, anhedral/subhedral, (to 2.75 mm), composed entirely of colourless to locally very pale greenish pleochroic amphibole.

(b) Amphibole, <10%, anhedral, (<.05 to 0.5 mm), as aggregates of grains containing few brown-green remnants and commonly mixed with biotite.

(c) Biotite; >5%, anhedral, (<.05 to 0.5 mm), irregular grains, locally felted. Some intermixing with chlorite.

(d) Chlorite; minor amounts, anhedral (<.05 to 0.2 mm)

(e) Feldspar; <<<1%, anhedral, (<.01 to0.1 mm), irregular featureless grains. K-feldspar/albite (?).

Groundmass; 80%

Amphibole; 15%, anhedral, (<.01 to 0.2 mm), acicular/fibrous, foliated/weakly felted.

Epidote; 25%, anhedral, (<.01 to .05 mm), clusters of anhedral grains with few scattered clusters of coarse subhedral/euhedral grains associated with K-feldspar (?) Associated microgranular dusting.

Biotite/chlorite; 10%, anhedral, (<.01 to <.05 mm), irregular grains scattered throughout groundmass. Also forms small clots.

DDH 7 - 96.5 Continued

Plagioclase; 30%, anhedral, (<.01 to.03 mm), irregular grains interstitial, featureless. Confirmed in stained slab; not stained, strong etching.

Veinlets:

K-feldspar; hairline, discontinuous, local small segregations. Confirmed in thin sectin and stained slab.

Carbonate; hairline discontinuous veinlets.

DDH 8 - 57.0

Coarse amphibole (feldspar) porphyritic andesite.

Phenocrysts/pseudomorphs of altered amphibole and lesser feldspar give the rock a foliated coarse spotted appearance. The phenocrysts/pseudomorphs are intensely altered to mixtures of colourless to very pale green pleochroic amphibole and fibrous/acicular felted colourless amphibole. These are associated with bladed/felted biotite/chlorite, epidote clusters and associated opaques. Lesser recrystallized feldspar and epidote arepseudomorphous after earlier feldspar (?) phenocrysts.

The groundmass is composed of very fine grained fibrous, foliated/felted amphibole, epidote granules and a feldspathic interstitial matrix. There are diffuse coarse grained segregations of feldspar and epidote, and enrichment of feldspar outwards from biotite, epidote and feldspar veinlets. Also cut by carbonate veinlets.

Stained slab shows no significant K-feldspar stain. Etched groundmass. No conspicuous quartz. Opaques >2%, pyrite.

Phenocrysts/pseudomorphs; <20%, composed of mixtures of :

(1) Altered amphibole

(a) Amphibole; <5%, anhedral/subhedral, (<0.3 to >1.0 mm), phenocrysts and glomerophenocrysts (to >3.0 mm) partially replaced by biotite, epidote, and opaques. Shows characteristic cleavages in end sections.

(b) Biotite/chlorite; >5%, anhedral, (<.05 to 0.2 mm), clusters of grains, biotite > chlorite, felted radiating and in cleavage planes of replaced amphibole.

(c) Epidote; <5%, anhedral, (<.05 to 0.2 mm), scattered grains and clusters of grains in amphibole.

(d) Carbonate; traces, associated with epidote, biotite/chlorite alteration.

(d) Opaques; >2%, pyrite, major concentration is in altered amphibole phenocrysts.

(2) Altered Feldspar

(a) Plagioclase; 2%, anhedral, (<.05 to 0.2 mm), clusters of irregular featureless albitic (?) grains which appear to represent recrystallized feldspar (plagioclase) phenocrysts.

(b) Epidote; 1%, anhedral (<.05 to 0.2 mm), granules associated with recrystallized plagioclase.

DDH 8 - 57.0 Continued

(c) Carbonate; traces

Groundmass: 60%

Amphibole; 15%, anhedral, (<.01 to 0.2 mm), acicular/fibrous, weakly felted to aligned.

Epidote; 25%, anhedral (<.01 to 0.2 mm), generally as abundant aggregates of fine granules fairly uniformly distributed throughout matrix. Also associated with feldspar segregations.

Feldspar (plagioclase); 20%, anhedral, (<.01 to 0.2 mm), irregular interstitial grains throughout groundmass.

Biotite/chlorite, not conspicuous.

Segregations; 20%

Plagioclase, 15%, confirmed by etching on stained slab, associated with epidote 5%, forms diffuse coarser grained segregations within groundmass. Shows outward diffusion from biotite, epidote, feldspar, opaque veinlets. Few grains have twinning. RI about that of or < epoxy. Indicated composition in oligoclase/albite range.

Veinlets:

(a) Carbonate

(b) Biotite, epidote, feldspar, opaque.

SF 2 - 89

Leucocratic quartz diorite

Composed predominantly of plagioclase, holocrystalline, hypidiomorphic. Interlocking grains, foliated. Minor interstitial quartz.

The rock is crackle brecciated with carbonate chlorite and minor muscovite and 1% opaques in fractures and breccia voids.

Stained slab indicates trace of fracture controlled K-feldspar. Nonmagnetic. 1% opaques.

Groundmass

Plagioclase; 65%, subhedral, (0.5 to 5 mm) interlocking grains, foliated, weak sericitic alteration, no zoning. Margins only slightly altered. Indicated composition andesine. RI approximately equal to or slightly greater than epoxy.

Quartz; 10%, anhedral, (<.05 to 0.2 mm), aggregates of grains interstitial to plagioclase. RI > plagioclase. Confirmed by uniaxial (+) interfernce figure.

Mafics; fracture/breccia controlled:

Muscovite; 5%, anhedral, (<.05 to 0.5 mm), clusters of grains associated with carbonate and chlorite in crackle breccia fractures and voids.

Chlorite; 10%, anhedral, (<.05 to 0.2 mm), bladed/plumose, clusters of grains in crackle breccia fractures and voids. Associated with carbonate and lesser muscovite.

Accessories:

Apatite; traces, subhedral, (to 0.3 mm).

Alteration:

Sericite; weak sericitic alteration of plagioclase.

Carbonate; <10%, anhedral, (<.05 to 0.5 mm), aggregates of irregular grains in breccia fractures and voids with chlorite and muscovite. Fracture control not always obvious.

Opaques; <1%, anhedral, (<.01 to 0.2 mm), diffuse aggregates of semiopaque grains (to 0.8 mm).

MF 6 - 89

Altered foliated, hornblende, plagioclase andesite porphyry.

Plagioclase and hornblende phenocrysts/pseudomorphs, partially to completely altered to epidote, and to carbonate and green biotite. Groundmass is foliated, composed of finer grained plagioclase, green biotite and epidote. Scattered clots of epidote, quartz and carbonate.

Stained slab indicates scattered interstitial granules of K-feldpar. Opaques; 1%, pyrite, ilmenite. Nonmagnetic.

Phenocrysts/pseudomorphs; 35%

Plagioclase; 15%, subhedral (0.3 to >1.0 mm), phenocrysts and glomerophenocrysts, partial alteration to epidote and carbonate as single grains and clusters of grains which obscure grain boundaries. Weak semiopaque dusting. Foliated. Grade downwards in size to plagioclase in matrix. Indicated composition lower andesine upper oligoclase range.

Amphibole (hornblende); 15%, subhedral, (0.3 to >2.0 mm) pale green pleochroism, partial to near complete alteration to green biotite leaving regular to diffuse pseudomorphs.

Pseudomorphs

Carbonate and epidote grains, 5%, (to 0.4 mm), in clusters replacing (?), leaving near rectangular outlines of former crystals.

Groundmass:

Plagioclase; 15%, anhedral, (<.05 to 0.3 mm, generally 0.1 to 0.2 mm), interlocking grains interstitial to plagioclase and mafic phenocrysts. Indicated composition in lower andesine upper oligoclase range. Featureless clear unaltered interstitial grains albitized (?).

K-feldspar; <5%, stained slab indicates scattered K-feldspar granules around margins of some plagioclase. Not confirmed in thin section.

Epidote; 15%, anhedral, (<.05 to 0.2 mm), mainly as clusters of grains with green biotite uniformly distributed throughout the matrix. Also as grains and clusters of grains in plagioclase phenocrysts and in clots/segregation with quartz and carbonate.

Amphibole; <5%; anhedral, (<.05 to 0.3 mm), scattered throughout matrix.

MF 6 - 89 Continued

Green biotite; 20%, anhedral, (<.05 to 0.4 mm), irregular grains, foliated clusters of grains forming a diffuse, irregular network among epidote and plagioclase in groundmass. Also as alteration clots in mafic phenocrysts.

Sphene/leucoxene; traces, aggregates of minute grains associated with opaque (ilmenite).

Opaques; 1%, anhedral, (,.01 to 0.2 mm), pyrite, ilmenite. Nonmagnetic.

Clots/segregations: 10%, (to >2 mm).

Epidote; <5%, euhedral/subhedral, (.05 to 1.0 mm), associated with carbonate and quartz.

Carbonate; 5%, anhedral, (<.05 to 0.4 mm), in small clusters throughout matrix or associated with quartz and/or epidote.

Quartz; <<5%, anhedral, (to 0.5 mm), clusters of grains with carbonate and euhedral epidote.

MP 11 - 89

Cataclasis foliated plagioclase andesite (?) porphyry.

Texture partially obliterated. Fine/medium-grained foliated plagioclase phenocrysts are in a finer grained plagioclase-rich matrix. The plagioclase shows weak to locally moderate sericite and carbonate alteration. The matrix is shattered by cataclasis with discontinuous diffuse networks of chlorite filling shattered zones. Carbonate forms disseminated clots and veinlike segregations with minor quartz and albitized (?) plagioclase along fractures.

Stained slab indicates no K-feldspar stain. Opaques 1%, magnetic, pyrite.

Coarse grains/phenocrysts

Plagioclase; 30%, subhedral/anhedral, (0.2 to 2.0 mm). Appears to be a gradation downwards to groundmass size. Generally preferred orientation/foliated, many grains broken by calaclasis. Weak sericitic, weak to moderate carbonate alteration. Sericite as single grains and wispy clusters. Weak alteration dusting. RI < epoxy. Indicated composition in oligoclase range. Some albitization of margins of grains where there is less intense alteration and no twinning.

Carbonate; <5%, subhedral pseudomorphs, (0.4 to >1.0 mm), replacement of (?)

Groundmass:

Plagioclase; 25%, anhedral (<.05 to 0.2 mm), aggregates of fine grains, broken by cataclasis in irregular through going zones. Much of the finer groundmass may be a result of cataclasis.

Clots/segregations/veins.

Chlorite; 20%, anhedral, (<.05 to 0.1 mm), clusters of foliated grains, forming long diffuse stringers discontinuous networks among plagioclase grains/fragments and carbonate clots. Fracture/cataclasis controlled filling fractures and voids.

Quartz; <<5%, anhedral, (<.01 to 0.15 mm)< clusters of grains associated with carbonate, chlorite.

Plagioclase; <<5%, anhedral, (<.01 to 0.15 mm), clusters of grains, associated with carbonate segregations/veins. Few grains show polysynthetic twinning. Some featureless grains, biaxial, albitized (?).

MF 11 - 89 (Continued)

Carbonate; 15%, anhedral, (<.05 to 0.5 mm), irregular grains and clusters of grains, more random distribution, less fracture control. However diffuse carbonate veins also cut through section with associated quartz and recrystallized plagioclase granules and following cataclasis.

Sericite; <<5%, anhedral, (<.01 to 0.02 mm), as disseminated and clusters of grains as alteration of plagioclase. As wispy partings and clusters of grains locally in fractures and cataclasis zone.

Opaques; 1%, anhedral/euhedral (<.01 to 0.3 mm), magnetite, pyrite.

L112 - 9650

Coarse porphyritic/glomeroporphyritic, foliated, altered amphibole, (plagioclase) andesite.

Coarse, altered amphibole phenocrysts and glomersphenocrysts to about 1 cm with finer grained foliated plagioclase phenocrysts in a very fine plagioclase-rich groundmass. The groundmass contains clusters of aggregates of fine epidote granules and secondary (?) foliated amphibole grains. There are scattered cavity fillings and vugs containing epidote, quartz, chlorite.

Stained slab indicates no K-feldspar; strong etching of plagioclase. No unetched quartz except in vugs. Opaques 2%, hematite replacing pyrite.

Phenocrysts:

Amphibole (altered hornblende?); 20%, subhedral/anhedral, ranging from (<0.2 mm to >1 cm). As single and glomerophenocrysts.

All stages of alteration are evident from grains showing subhedral outlines and pale green pleochroism through partially to totally bleached colourless. Some grains partially to almost totally altered to chlorite and epidote leaving wispy/plumose/fibrous very pale green pleochroic secondary amphibole. Some amphibole grains have been torn apart and filled with chlorite, quartz.

Plagioclase; 10%, subhedral/anhedral, (0.1 to 1.0 mm), generally irregular grains, weak sericitic, selectively weak to intense epidote alteration. Foliated.

Groundmass:

Plagioclase; 30%, anhedral, (<.01 to 0.1 mm), irregular interlocking very fine granular, interstitial to clusters of epidote granules and small, foliated, secondary (?) amphibole needles.

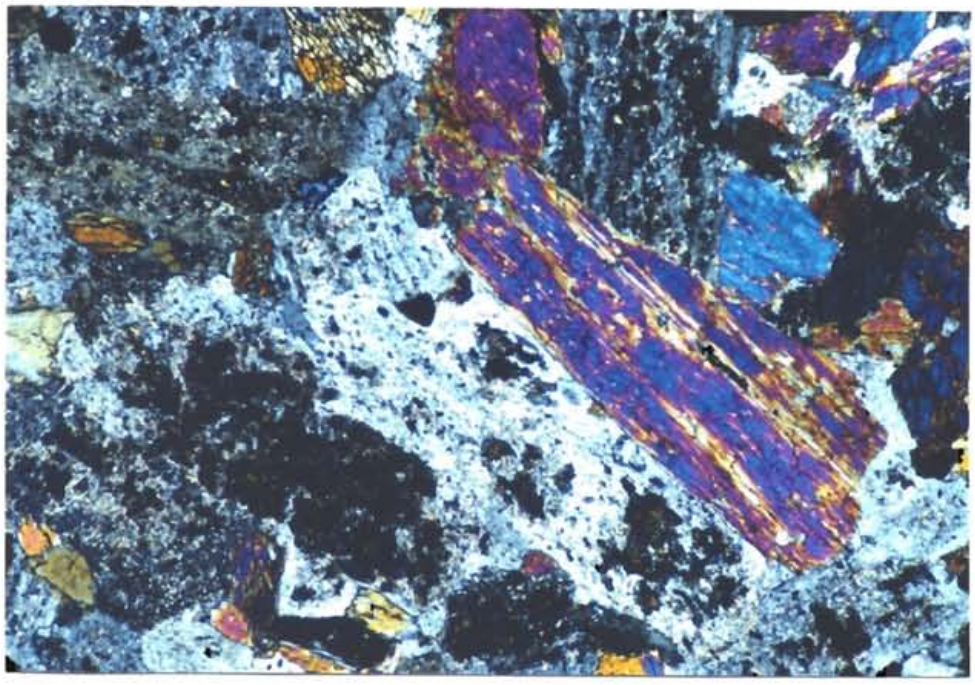
Epidote; 20%, anhedral, (<.01 to 0.1 mm), aggregates of granules forming diffuse clusters throughout groundmass.

Amphibole; 10%, anhedral, (<.01 to 0.1 mm), acicular, as single grains and clusters of foliated needles.

Opaques; 2%, euhedral/anhedral, (<.01 to 0.5 mm), pyrite partially to totally replaced by hematite.

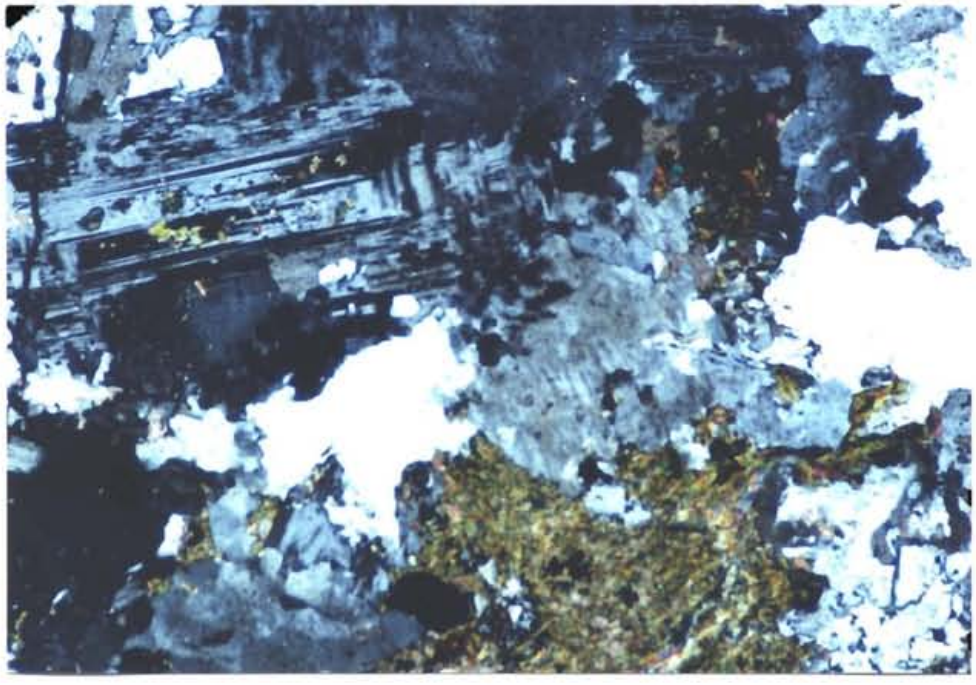
Clots/Segregations: 8%

Chlorite, sphene, epidote,quartz,hematite (after pyrite) in cavities and vugs.



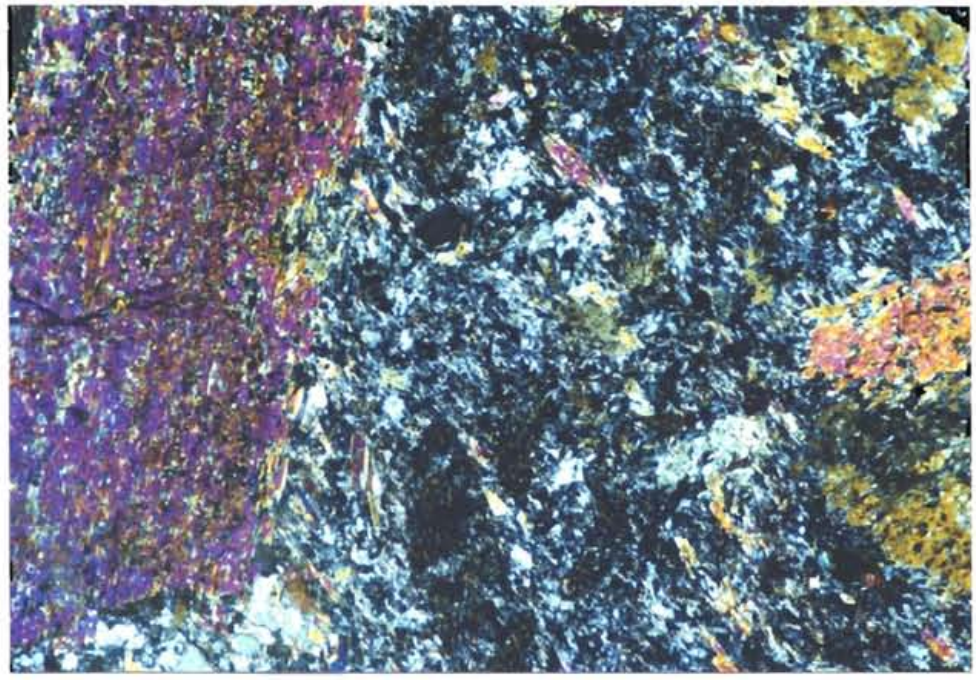
DDH 2-60.2 89 R XIX-0 X-Nicols 0.1 mm

Diorite
Sericitic, epidotized plagioclase, altered amphibole (hornblende). Coarse interlocking grains.



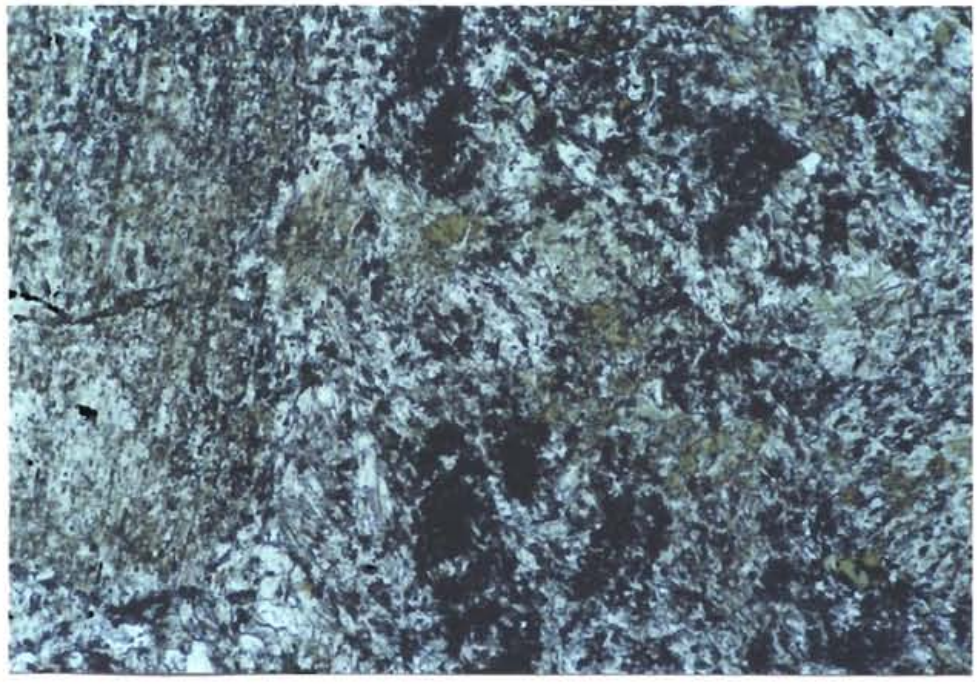
DDH 2-159.2 89 R XIX-1 X-Nicols 0.1 mm

Granodiorte/quartz monzonite
Plagioclase (twinned), quartz (bright white), K-feldspar mottled grey, biotite/chlorite (clusters of very fine grains).



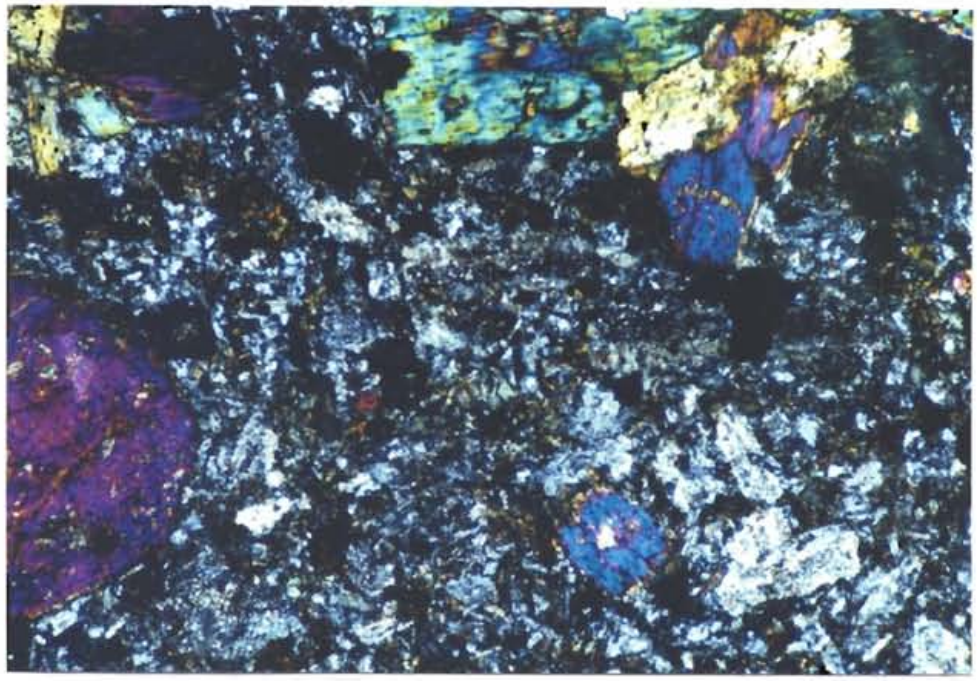
DDH 2-160.2 89 R XIX-2 X-Nicols 0.1 mm

Altered coarse hornblende, (plagioclase) andesite porphyry.. Coarse hornblende, finer ghost-like altered feldspar (?) phenocrysts in a fine felted plagioclase, amphibole matrix.



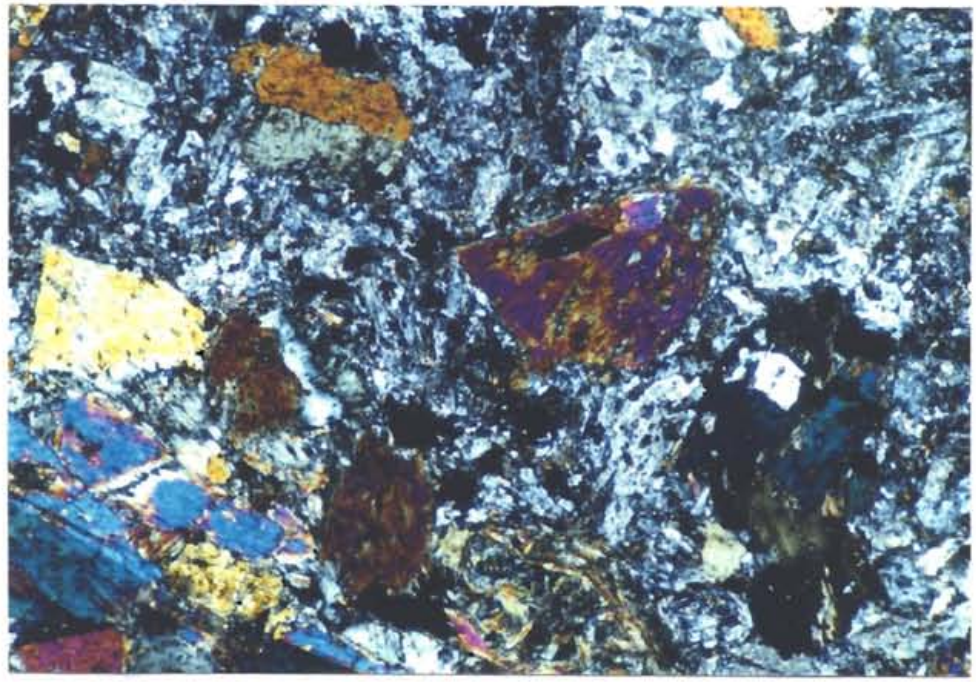
DDH 2-160.2 89 R XIX-3 Plane light 0.1 mm

Altered coarse hornblende, (plagioclase) andesite porphyry. As above.



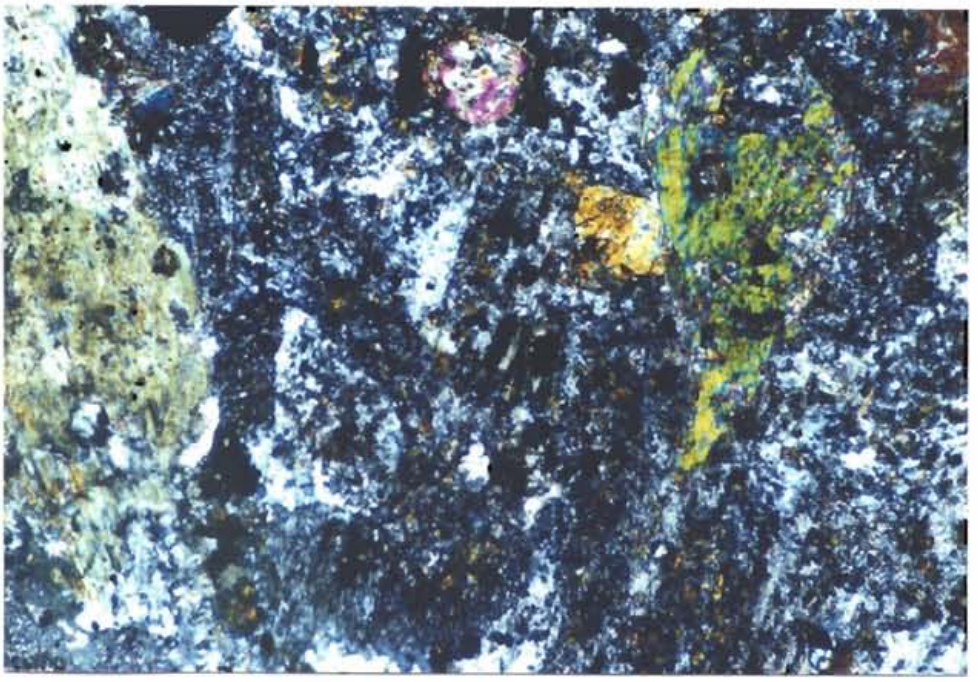
DDH 3-29.2 89 R XIX-4 X-Nicols 0.1 mm

Fine, altered, hornblende andesite, weak porphyritic. Fine grained amphibole phenocrysts in a finer grained plagioclase-rich matrix.



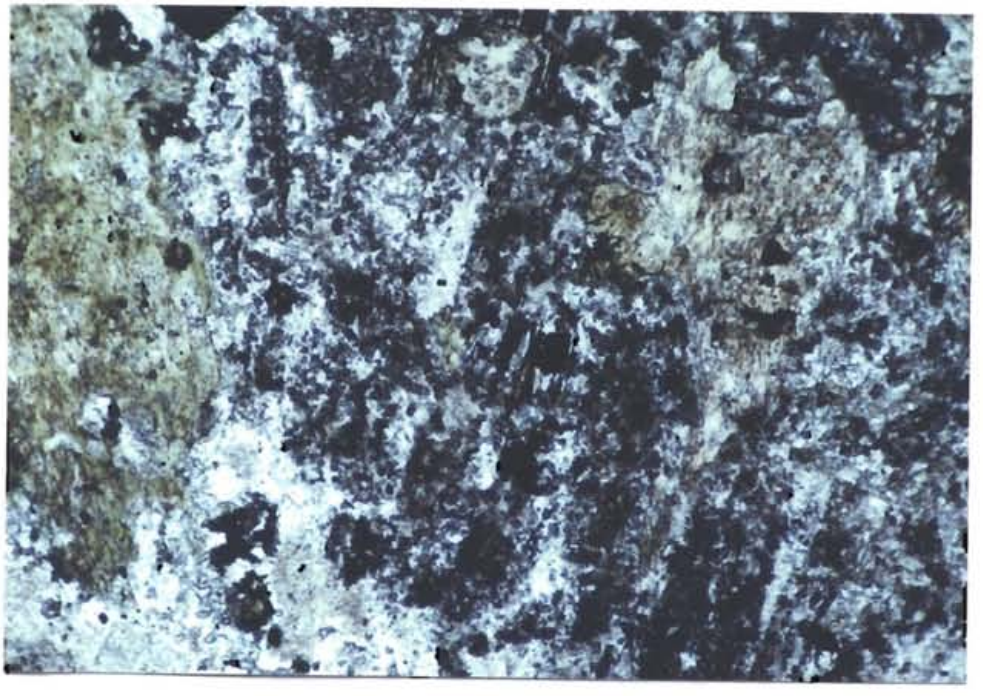
DDH 3-34.0 89 R XIX-5 X-Nicols 0.1 mm

Fine, altered, hornblende andesite, weak porphyritic. Different specimen but similar texture to above.



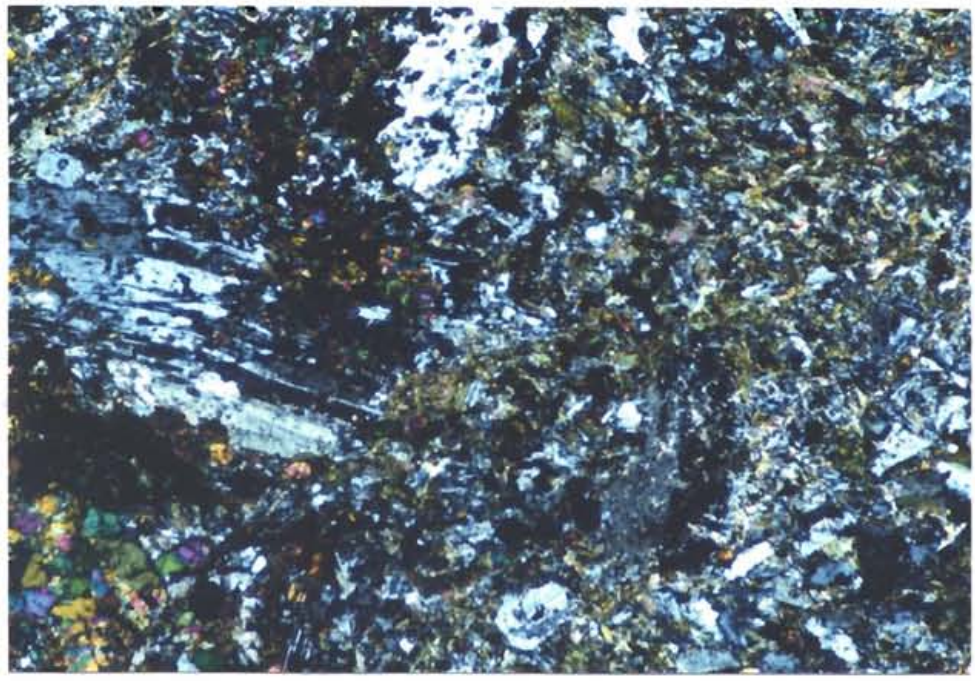
DDH 3-36.8 89 R XIX-6 X-Nicols 0.1 mm

Altered hornblende, plagioclase andesite/diorite.
Altered hornblende phenocrysts, finer epidotized plagioclase crystal outlines. Light coloured albitized feldspar. Foliated.



DDH 3-36.8 89 R XIX-7 Plane light 0.1 mm

As above. Similar to DDH 3-29.2 and 34.0 but generally coarser grained plagioclase. Foliated.

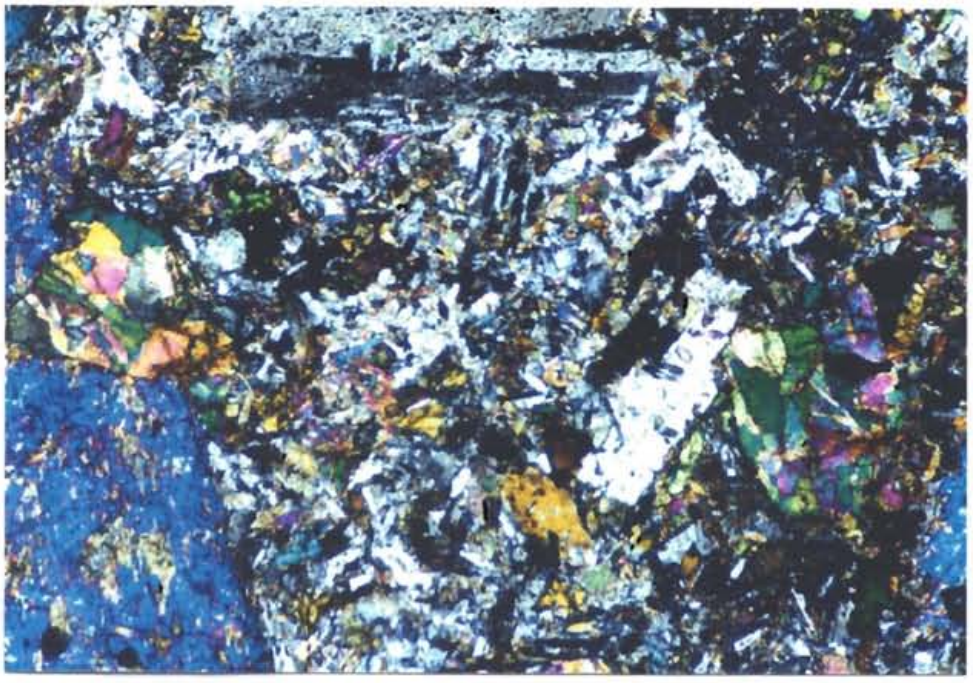


DDH 3-99.9 89 R XIX-8 X-Nicols 0.1 mm

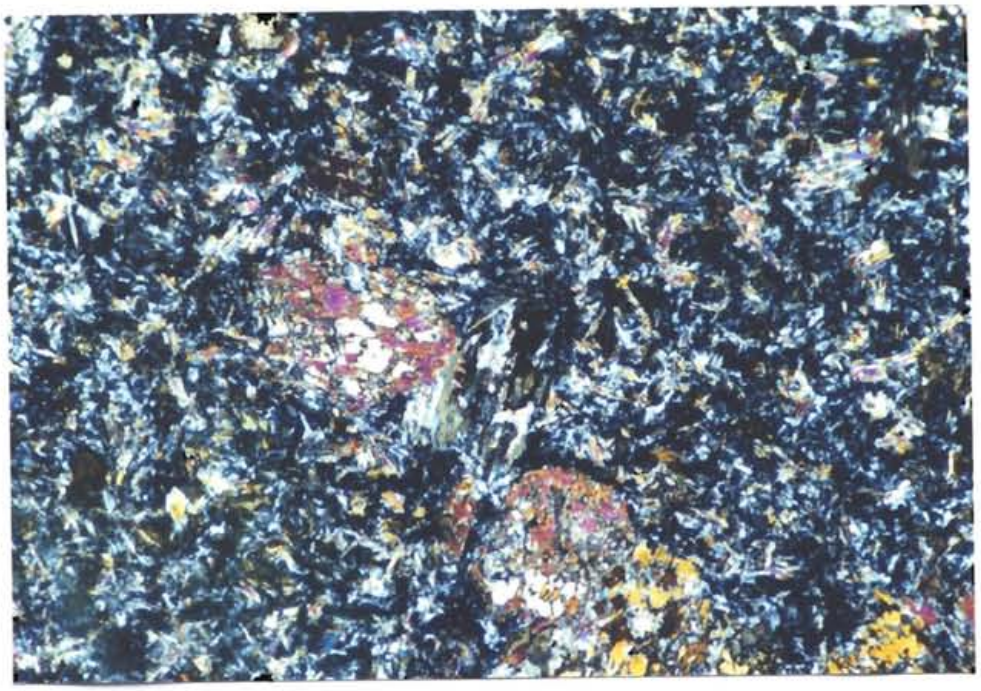
Porphyritic plagioclase andesite.
Plagioclase phenocrysts in a finer plagioclase, biotite/chlorite, epidote-rich groundmass.

DDH 3-99.9 89 R XIX-9 Plane light 0.1 mm

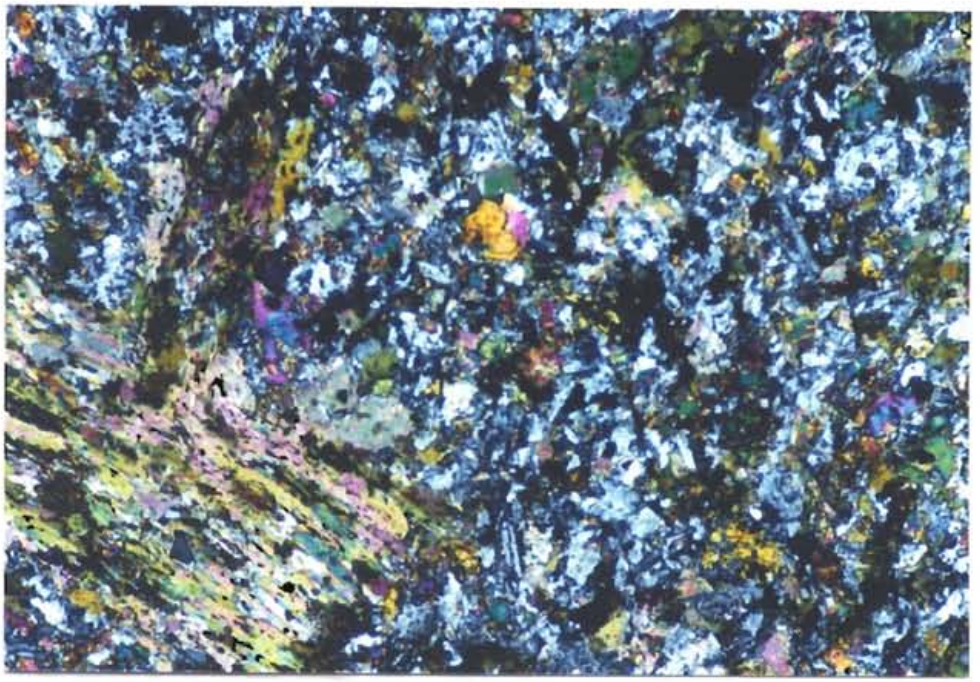
As above



DDH 3-109.7 89 R XIX-10 X-Nicols 0.1 mm
Fine altered plagioclase porphyritic andesite.
Hornblende phenocrysts with smaller plagioclase grading into groundmass showing distinct plagioclase laths. Similar to DDH 3-29.2, 34.0 and slightly coarser DDH 3-36.8

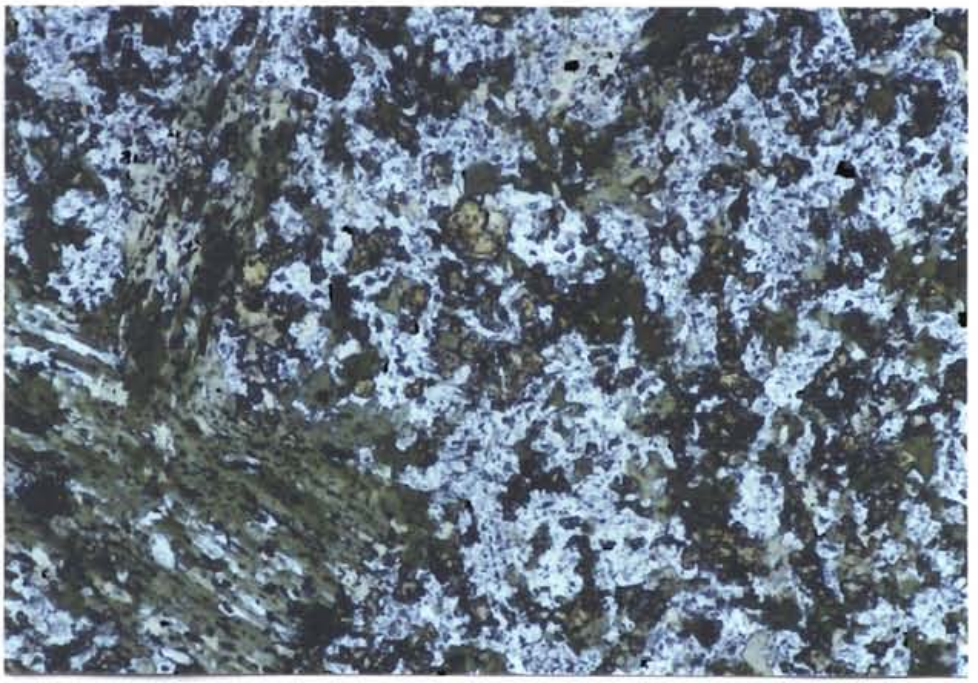


DDH 3-145.6 89 R XIX-11 X-Nicols 0.1 mm
Weakly porphyritic altered hornblende andesite.
Fine altered hornblende phenocrysts in a fine felted groundmass of plagioclase and secondary amphibole. [Lacks coarser plagioclase of 109.7 above]



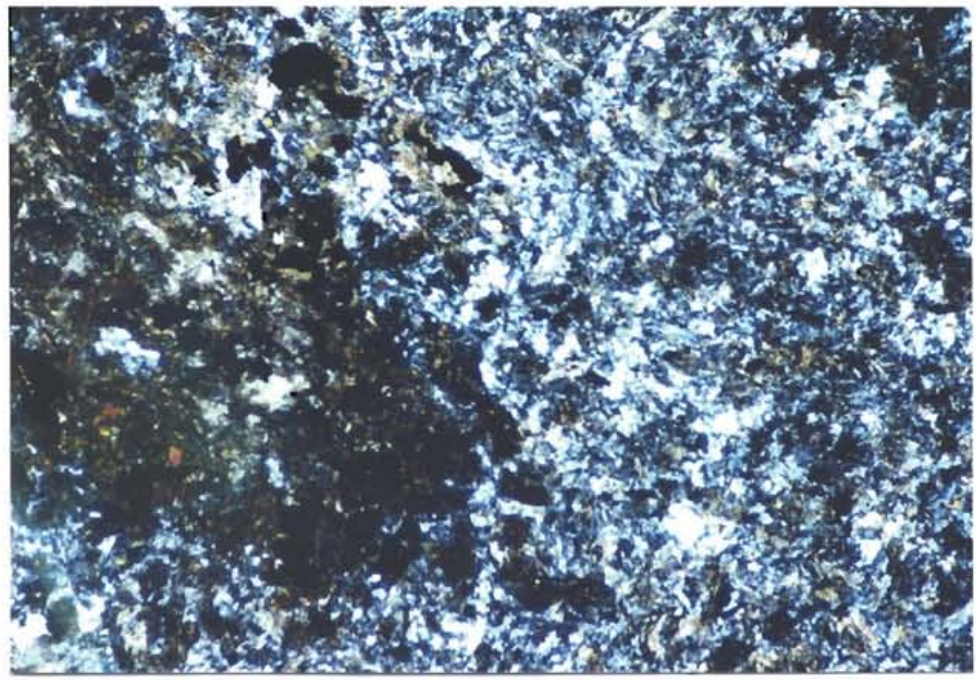
DDH 3-168.6 89 R XIX-12 X-Nicols 0.1 mm

Weakly porphyritic altered hornblende andesite.
Altered hornblende phenocrysts in a fine plagioclase (albitized), biotite, epidote-rich groundmass.



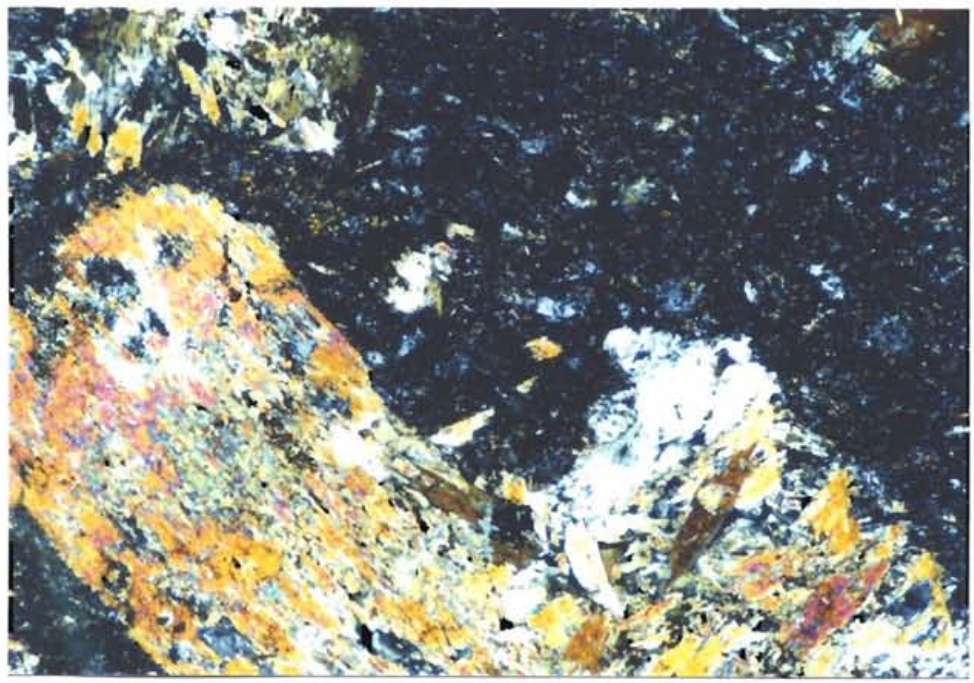
DDH 3-168.6 89 R XIX-13 Plane light 0.1 mm

Weakly porphyritic altered hornblende andesite.
As above. As for DDH 3-145.6 and DDH 7-81.7



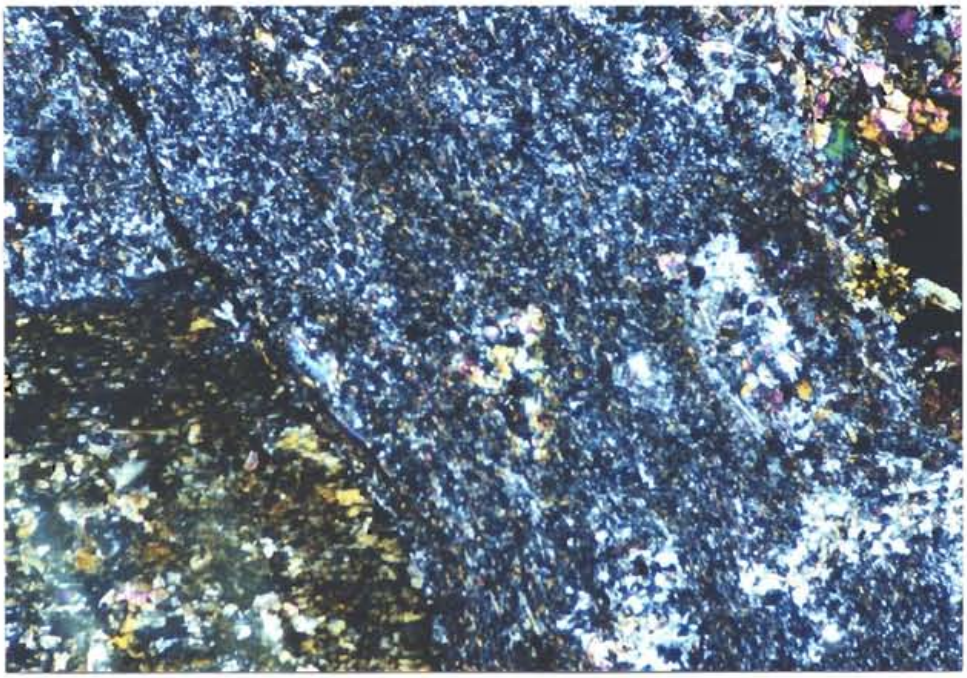
DDH 7-81.7 89 R XIX-14 X-Nicols 0.1 mm

Weakly porphyritic altered hornblende (?) andesite.
Altered hornblende (?) remnants, diffuse clots in a fine felted plagioclase, chlorite matrix.



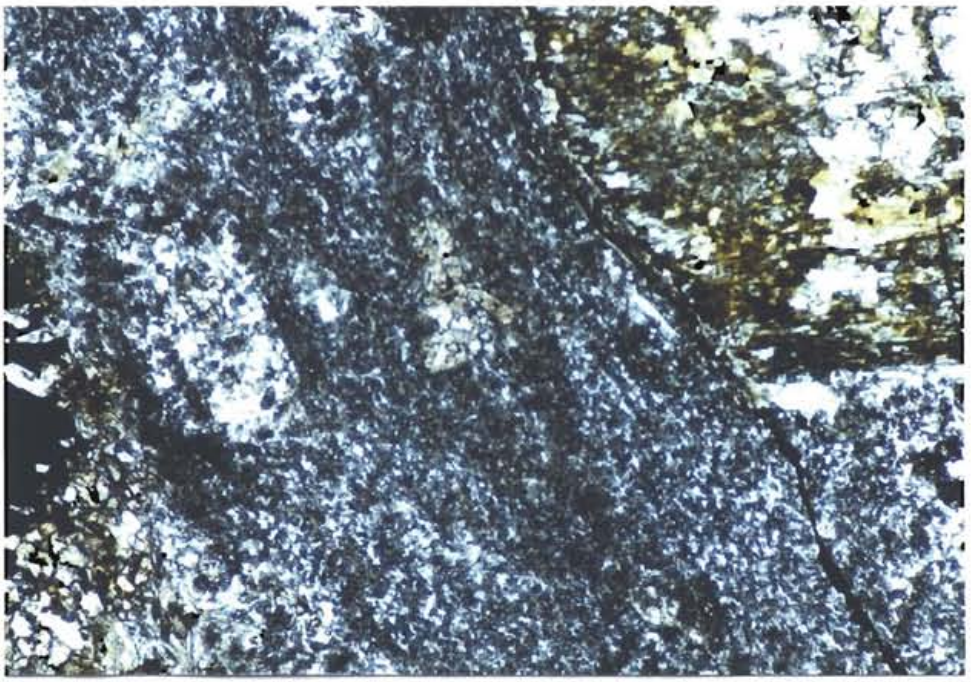
DDH 7-96.5 89 R XIX-15 X-Nicols 0.1 mm

Porphyritic foliated altered amphibole (biotite) andesite.
Altered amphibole phenocrysts in a very fine grained feldspathic, epidotized matrix.



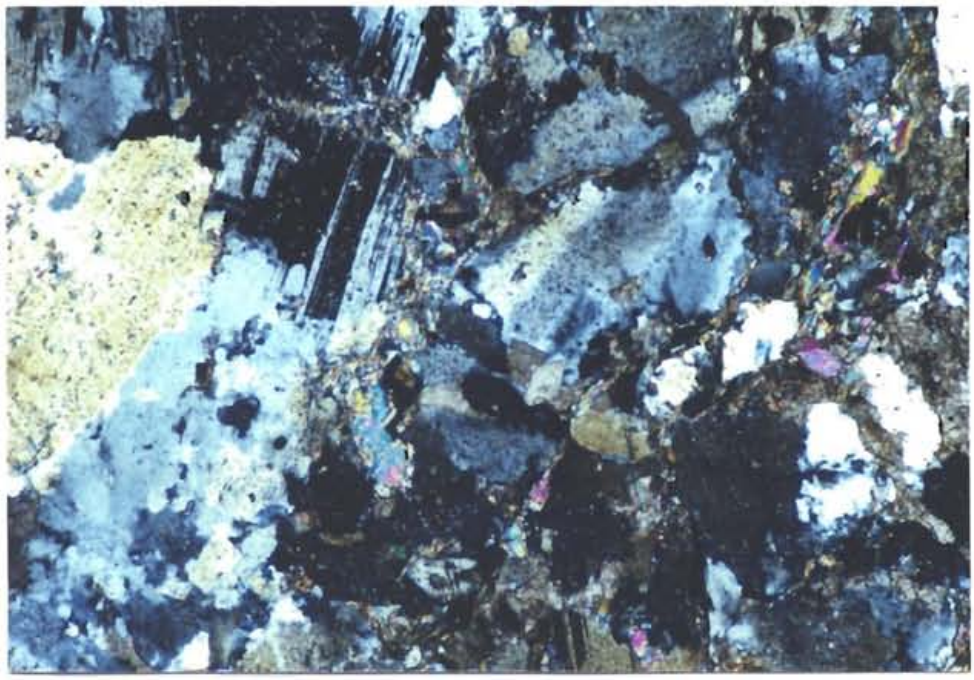
DDH 8-57.0 89 R XIX-17 X-Nicols 0.1 mm

Coarse altered amphibole, plagioclase porphyritic andesite. Coarse altered amphibole, finer altered plagioclase phenocrysts in a very fine groundmass of plagioclase, amphibole and granular epidote.



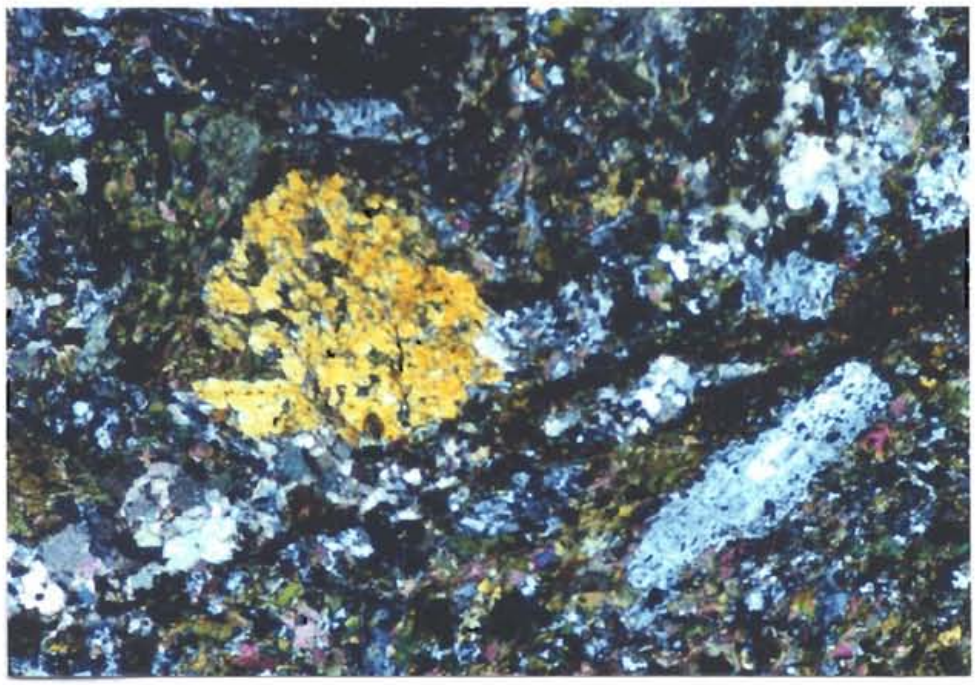
DDH 8-57.0 89 R XIX-18 Plane light 0.1 mm

As above. Similar to DDH 2-160.2



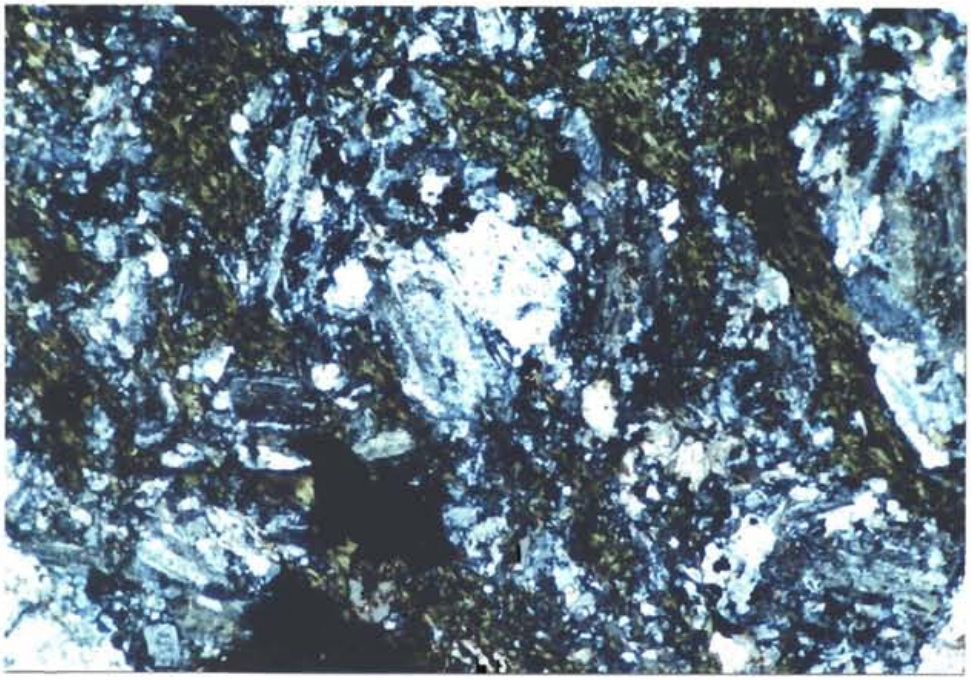
SF 2-89 89 R XIX-19 X-Nicols 0.1 mm

Leucocratic quartz diorite.
Plagioclase, quartz, muscovite/chlorite.



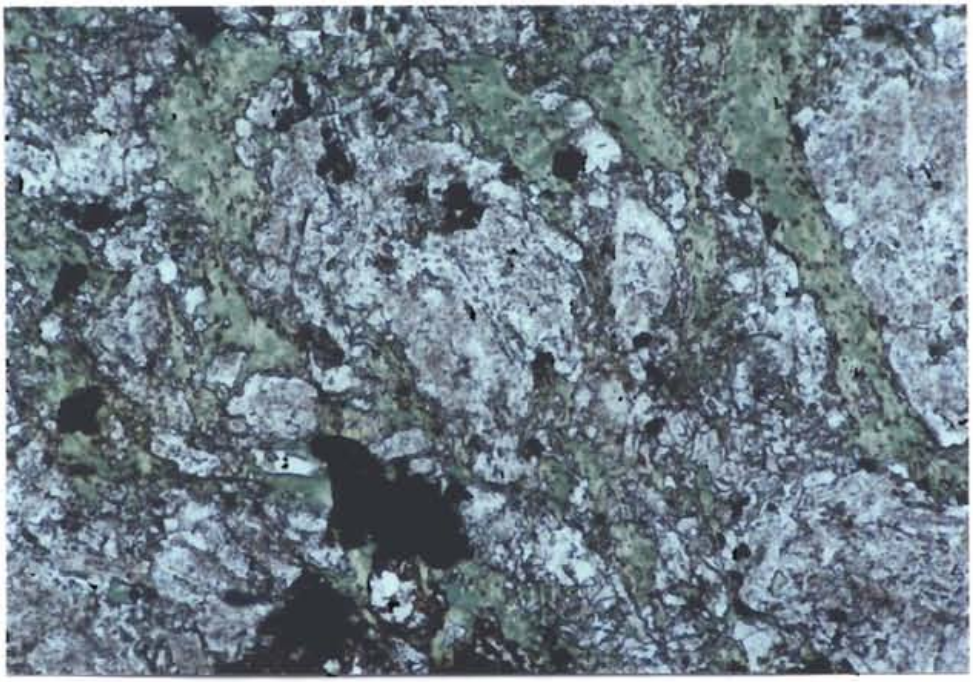
MP 6-89 89 R XIX-20 X-Nicols 0.1 mm

Altered foliated hornblende, plagioclase andesite porphyry. Phenocrysts of altered hornblende and plagioclase in a fine plagioclase, epidote groundmass. Similar to DDH 3-29.2, 34.0, 36.8, DDH 3-109.7



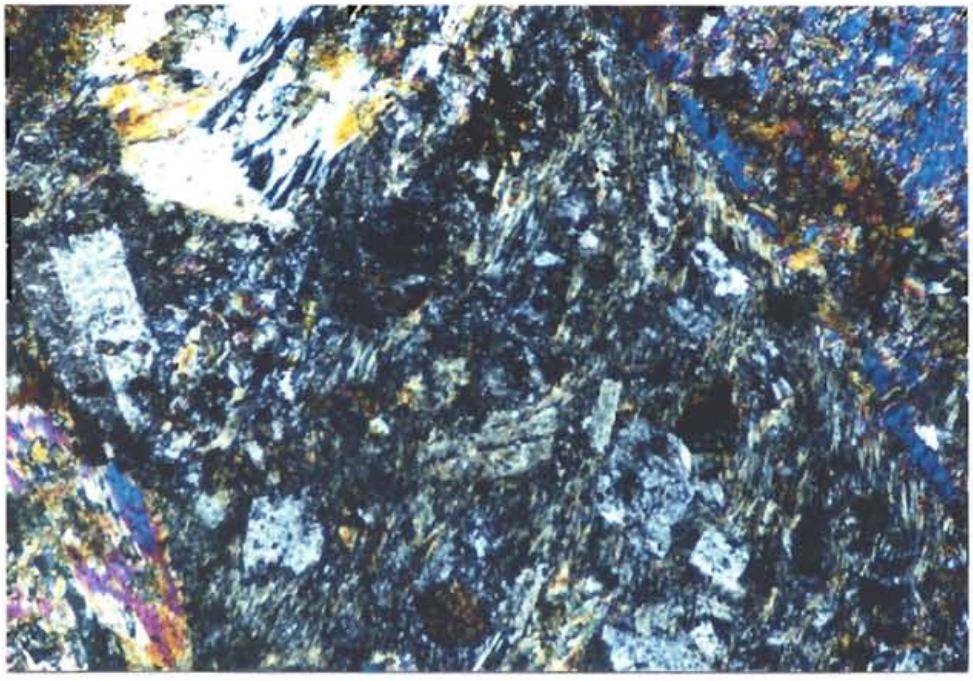
MP 11-89 89 R XIX-21 X-Nicole 0.1 mm

Cataclasis foliated plagioclase porphyritic andesite. Plagioclase phenocrysts in a fine plagioclase, chlorite rich matrix.



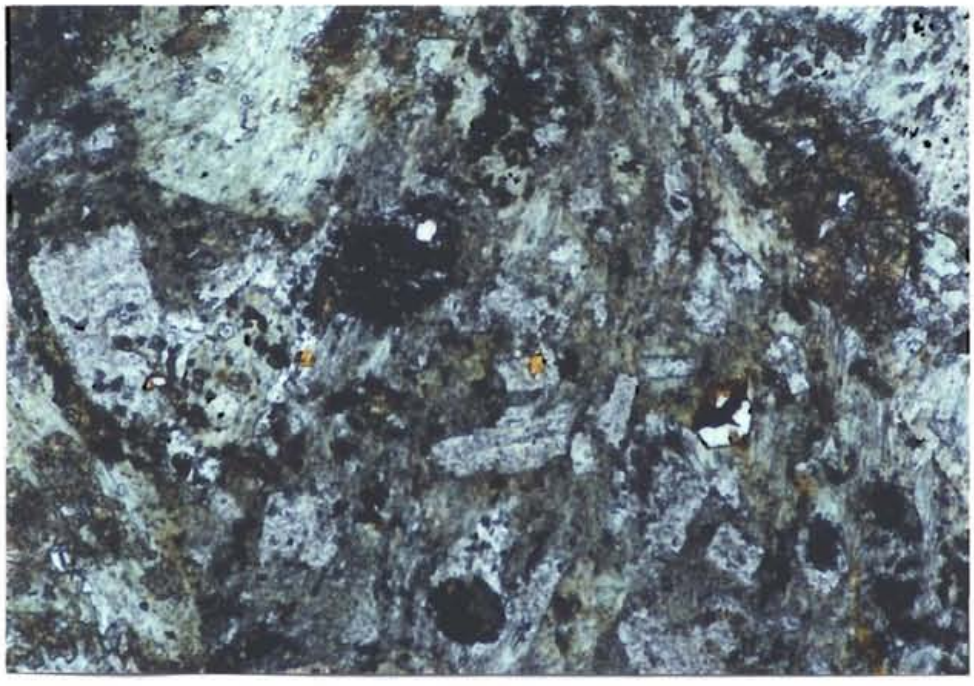
MP 11-89 89 R XIX-22 Plane light 0.1 mm

As above. Similar to DDH 3-99.9



L 112-9650 89 R XIX-23 X-Nicols 0.1 mm

Coarse porphyritic/glomeroporphyritic amphibole (plagioclase) andesite. Coarse altered hornblende (?) and lesser finer plagioclase in a very fine plagioclase, epidote, amphibole-rich matrix.



L 112-9650 89 XIX-24 Plane light 0.1 mm

As above. Similar to DDH 2-160.2, DDH 8-57.0

TABLE 1
SUMMARY OF PETROGRAPHIC REPORT, WINDY PROJECT, V-216 Oct

SAMPLE	ROCK-TYPE	GROUP	GRANITIC	PORPHYRITIC	PHENOCRYSTS		GROUNDMASS	
					Altered Amphibole	Plagioclase	Altered Amphibole	Amp
DDH 2-60.2	Diorite	I	Fine/med	-	-	-	20%	
DDH 2-159.2	Granodiorite/Qm	II	Fine/med seriate	-	-	-	-	
DDH 2-160.2	Coarse hnbld andesite	IV	-	Coarse	Very coarse 20%	Medium 15%	10%	Pr
DDH 3-29.2	Fine hnbld/plag andesite	V	-	Fine/seriate	Seriate	Seriate	30%	Pr
DDH 3-34.0	Fine hnbld/plag andesite	V	-	Fine/seriate	Seriate	Seriate	20%	<
DDH 3-36.8	Fine hnbld/plag andesite	V	-	Fine/seriate	Seriate	Seriate	30%	Pr
DDH 3-99.9	Plagioclase andesite	VI	-	Fine	-	20%	-	
DDH 3-109.7	Fine hnbld/plag andesite	V	-	Coarse/seriate	Seriate	Seriate	20%	
DDH 3-145.6	Fine hnbld/plag andesite	VII	-	Fine/weak	Fine 10%	-	Present	
DDH 3-168.6	Plag (hnbld) andesite	VII ?	-	Fine/weak	(Biotite)	10%	-	
DDH 7-81.7	Alt plag andesite	VII ?	-	Pseudomorphs clots 20%	-	Altered	Altered	
DDH 7-96.5	Alt hnbld andesite	VIII	-	Phenochrysts/ pseudos 20%	<15%	?	15%	
DDH 8-57.0	Coarse amph andesite	IV	-	Coarse pseudomorphs	>Altered >15%	Altered <5%	Present	
SF 2-89	Leuco qtz diorite	III	Med/coarse	-	-	-	-	
MP 6-89	Fine amph/plag andesite	V	-	Fine	Altn to biotite pseudomorphs (15%)	Altn Epidote/carb seriate, 20%	?	
MP 11-89	Cataclasis plag andesite	VI	-	Fine	-	30%	-	
L 112-9650	Coarse hnblde andesite	IV	-	Coarse	20%	10%	?	

-216 October 27 1989

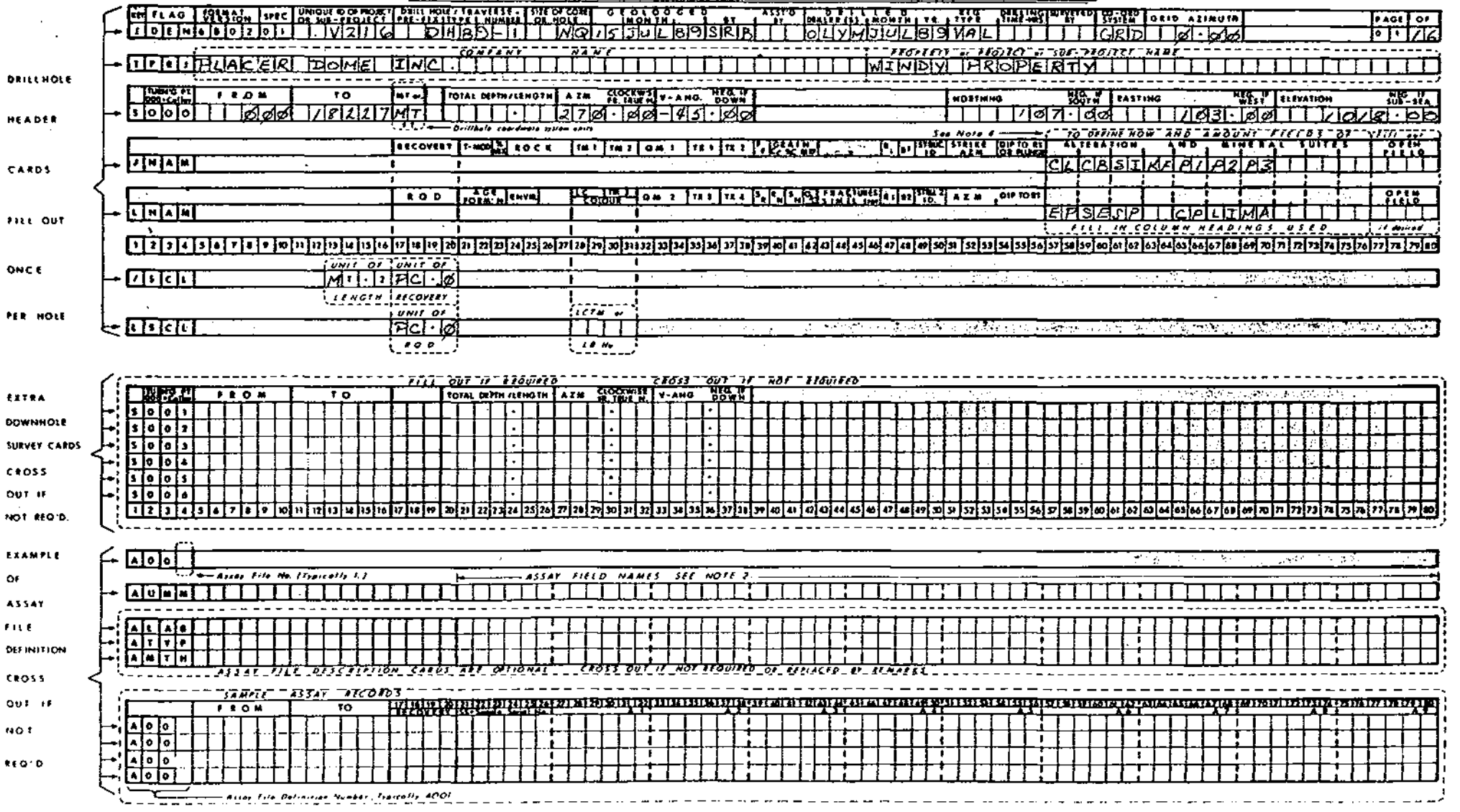
IDMASS Amphibole	Amphibole	Plagioclase	K-feldspar	Quartz	Pyroxene	Albitization	Biotite	Chlorite	Epidote	Muscovite-sericite	Carb
%	–	60%	–	–	–	–	–	–	8%	>5%	Pre
	–	40%	30%	15%	–	–	10%	Present	–	Present	2
%	Present	25%	–	–	–	–	–	–	20%	15%	
%	Present	40%	–	Traces	–	–	–	10%	<5%	<5%	
%	<10%	40%	–	>1%	–	–	–	–	<15%	5%	
%	Present	35%	–	Traces	–	Present	–	<5%	25%	Present	Pre
	–	20%	<<5%	–	–	–	15%	Present	25%	5%	Pre
%	10%	30%	–	–	–	–	15%	–	20%	–	5
ent	25%	25%	–	–	Present augite	–	–	–	30%	–	<1
	–	25%	–	<<5%	–	Present	10%	–	<5%	Present	
ned	–	20%	–	–	–	–	<15%	>35%	>15%	–	>1
%	15%	30%	–	–	–	Present	10%	Present	25%	–	
ent	15%	>30%	–	–	–	Present	Present	Present	30%	–	Pre
	–	65%	–	10%	–	–	–	10%	–	5%	<1
	<5%	15%	<5%	<<5%	–	Present	20%	–	>15%	–	5
	–	25%	–	<<5%	–	Present	–	20%	–	<<5%	
	10%	30%	–	Present	–	–	–	Present	20%	Present	

Muscovite-sericite	Carbonate	Sphene	Apatite	Opaques	Veins
>5%	Present	2%	Present	<5%	Present
Present	2%	-	-	3%	-
15%	<5%	-	<1%	-	Present
<5%	>5%	-	-	<5%	Present
5%	10%	-	-	2%	Present
Present	Present	-	-	<5%	-
5%	Present	-	-	<1%	Present
-	5%	-	-	1%	Present
-	<10%	2%	-	2%	-
Present	<5%	-	Present	-	-
-	>15%	-	-	2%	-
-	-	-	-	-	Present
-	Present	-	-	>2%	Present
5%	<10%	-	Present	<1%	-
-	5%	Present	-	1%	-
<<5%	15%	-	-	1%	Present
Present	-	Present	-	2%	-

APPENDIX IV

Drill Logs

PLACER DOME INC. — GEOLOG DRILLHOLE HEADER FORM



Notes

1 - Do not change /NAM, LNAM, /SCL, LSCL, or AUMM card definitions from a project. Blanks may be changed later.

2 - On AUMM card, right adjust names so that 8 or 4 letters make sense. They will be "stats" header names

3 - Units of distance on $DHD card are for survey coordinates, those on /SCL card are for downhole distances

4 - See Note 4

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.

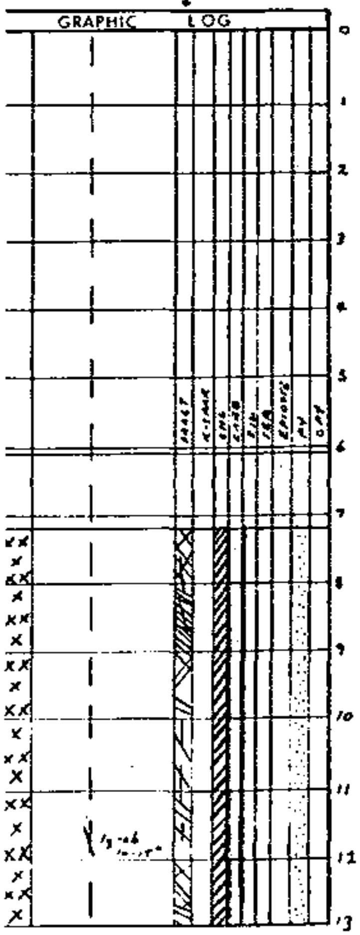
LACER
OME
NC.
(Geolog Form 3)

ID	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST. GEOL	DRILLER'S	MONTH	YEAR	TYPE	TIME	SURVEYED	SYSTEM	GRID	AZIMUTH	PAGE
I DEN680201	W/WDY	DDH-01			SRF											02/16

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

	FROM	TO	RECOV	T-MOD	ROCK	QZ VEINS	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 … P1 P2 P3 CP
L			RQD	CS		FRACTURES	EP SR … LI MA
A			RECOV	SS Sample Serial No.			

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



DESCRIPTIVE REMARKS	Code	FROM	TO	RECOV	T-MOD	ROCK	Columns 43–58	Columns 67–69
(0.0-6.1) OVBD	P	ØØØ	61Ø			OVBD		
Casing to 6.1 m								
Core recovery from ~7.2 m								
(6.1-7.2) LOST	P	61Ø	72Ø			LOST		
(7.2-14.6) MEDIUM GRAINED DIORITE	P	72Ø	146Ø	81		MGDR	ØØØØP2F2	D)
Med grey, dark grey, mottled,	L				R2		1 2 / 3 4 · P5	T=
equigranular diorite. Unit is blocky +	A/	72Ø	82Ø			AØS1		
lightly fractured. Pervasive altn of	A/	82Ø	92Ø			AØS2		
pyrox xtls to chl + carb, xtl								
shape preserved. Plag altering to								
sericite	A/	92Ø	1Ø2Ø			AØS3		
Rare qtz-carb stringers								
Dissem, fine gr. py								
Tr. epidote on fractures	A/	1Ø2Ø	112Ø			AØS4		
	A/	112Ø	122Ø			AØS5		
(11.75) 0.5-1.0 cm qtz carb stringer								
(12.30) 2-3 mm qtz-carb stringer	A/	122Ø	132Ø			AØS6		

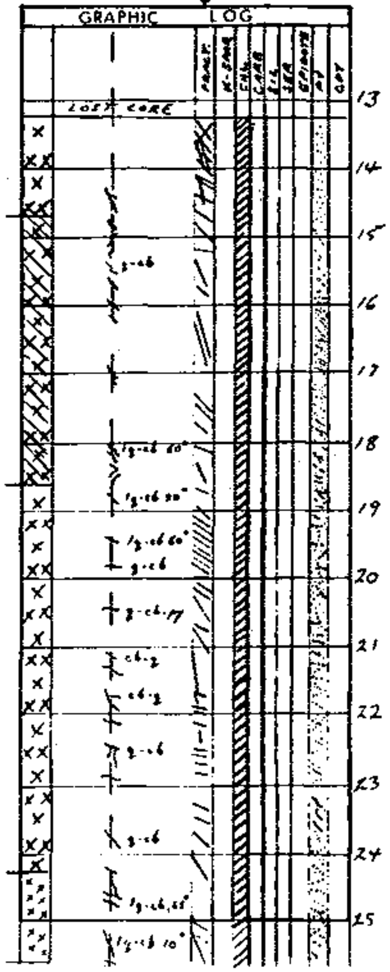
PLACER DOME INC.
(Geolog Form 3)

Card	Unique ID of Project	Drill Hole / Traverse	By
1DEN6B0201	C/WPY	DDH-01	SRF

Header codes: 1 | FROM | TO | RECOV. | T-MOD | ROCK | QZ VEINS | CL CB SI | P1 P2 P3 CPY
RQD: CS | ES ; FRACTURES: EP SR | LI MA

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

GRAPHIC LOG



DESCRIPTIVE REMARKS

(14.6 - 18.57) FOLIATED DIORITE - Med. grained, rusty in colour, wk to modly folid diorite. Blocky lightly fractured with crackled texture. Foliation @ 50 to 55° to C.A. Pyroxene altering to chl + carb; rare relicts of original xtls. Plag altering to sericite. Zones of extensive weathering causing disintegration of core. Pervasive limonite alt'n.
One qtz-carb stringer + rare lam qtz-carb veinlets 30% chl, 20% carb, 50% ser
Pyrite as diss, concentrated along fractures and as stringers 1-2%
(15.0 - 15.3) ext. weathered - some lost core
(15.3 - 15.4) patchy occ of ser + chl
(16.0 - 17.0) ext. weathered - some lost core
(18.05) beginning occ. of py stringers
(18.05 - 18.50) 4 one cm qtz-carb veins @ ~ 60° to C.A
(18.57) gradational contact

(18.57 - 24.25) MEDIUM GRAINED DIORITE - As previously des. unit from 7.2 to 14.6 with same rusty colouration due to patchy iron-carb staining and crackle texture
Rare qtz-carb stgs
2-3% py as diss, along fractures + as stgs
(18.8) 1 cm qtz-carb vn @ ~70° to C.A.
(15.9 - 19.1) ext. weathering - some lost core & disappearance of py stringers

(24.25 - 25.65) FINE GRAINED DIORITE - Med. grey, devoid of relict ...

Code	From	To	Recov.	T-Mod	Rock	Qz veins / cols 43–46	Cols 57–60	Cols 67–70	Cols 71–72
A1	13.20	14.60			A057				
P	14.60	18.57	80	F4	MGDR	0212	P2P2	D+	
L				R1		1112	P5	T1	
A1	14.60	15.80			A058				
A1	15.80	16.80			A059				
A1	16.80	18.50			A060				
A1	18.50	19.50			A061				
D	18.05	18.57			)				<)
L									
P	18.57	24.25	81		MGDR	1112	A2P2	D)	<)
L				R1		1223	P5	T+	
A1	19.50	20.50			A062				
A1	20.50	21.50			A063				
A1	21.50	22.50			A064				
A1	22.50	23.50			A065				
A1	23.50	24.30			A066				
D	18.57	18.70			)				<)
L									

PLACER DOME INC.
(Geolog Form 3)

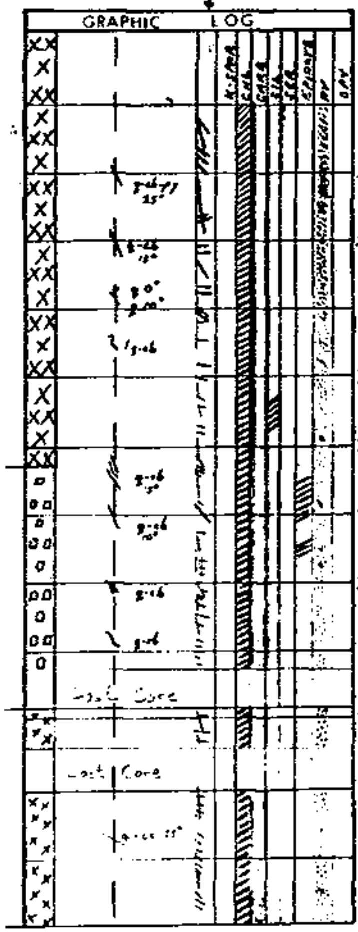
IDEN	Unique ID of project	Drill hole / traverse	By	Page
IDEN6B0201	W/WOY	DDH-01	SRF	04/16

DRILL COORD. SYSTEM UNITS — M/F; TOTAL DEPTH/LENGTH; AZM; V. ANG; NORTHING; EASTING; ELEVATION

Column headings: ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE

	FROM	TO	RECOV.	T-MOD	ROCK	QZ VEINS	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS	
/							CLCBSI	P1P2P3CP
			RQD	CS	ES	FRACTURES		
L							EPSR	LIMA

GRAPHIC LOG



Meterage: 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38

DESCRIPTIVE REMARKS

xtls (alt'd to chl + carb?), distinct plag xtls
embedded to sub in shape within a fine gr. matrix. Rare qtz-carb stgs.
Weakly cleaved @ ~25° to C.A.
2-3% py as dissem. along fractures + as stgs.
24.60 - 24.85 heavily oxid + broken, some lost core

(25.65 - 31.3) MEDIUM GRAINED DIORITE - as previously desc. unit from 7.2 - 10.6
(26.25 - 27.40) F.G. Diorite dyke with good cnt.
(28.40 - 28.60) patches of qtz-carb alt'n
(28.95 - 29.25) F.G. Diorite dyke - good cnts
(29.25 - 30.10) heavily oxid, qtz-carb vn. with with 1-4cm, no pref. orientation
(@ 31.3) heavily oxid, contact gradational

(31.30 - 34.75) ANDESITE PORPHYRY - Porphyritic with 20-35% chl'd augite and/or hornb. xtl's within a beige to light green matrix comprised of fine sericitized plag laths + chl'd mafics. Unit is massive + blocky. Patchy epidote alt'n.
Occ. qtz-carb stgs., chl along fracture planes. Mod. pervasive chl alt'n, strong ser. and carb alt'n
1% dissem. py th/o
(31.65 - 32.10) patchy epidote alt'n
(32.40 - 32.33) " " "
(33.00 - 33.03) patch of qtz-carb alt'n
@ 34.75 gradational cnt. - sharp decrease in mafic phenos.

(34.75 - 35.06) FINE GRAINED DIORITE - As prev. desc. unit from 24.25 - 25.65 with excep. of very distinct mafic xtls. Small sections of unit have mottled appearance + have mafic phenos. Unit is very blocky. Rare qtz-carb stgs.
1-2% py as dissem., + cub. xtls up to 4mm

1 / 4	FROM (5–10)	TO (11–16)	18–20	21–23	24–27	43–46	57–60	61–66	67–70	71–76
P	2425	2565	8Ø		FGDR	1Ø11	P2P2		D)	<)
L				R1		11Ø1	P5		T+	
A1	243Ø	246Ø			AØ67					
A1	246Ø	249Ø			AØ68					
A1	249Ø	257Ø			AØ69					
P	2565	313Ø	82		HGDR	ØØ11	P2P2		D+	
L				R1		2113	P5		T+	
A1	257Ø	268Ø			AØ7Ø					
A1	268Ø	274Ø			AØ71					
A1	274Ø	284Ø			AØ72					
A1	284Ø	293Ø			AØ73					
A1	293Ø	3Ø1Ø			AØ74					
A1	3Ø1Ø	313Ø			AØ75					
N	2675	274Ø			XFGDR					
N	2895	2915			XFGDR					
P	313Ø	3475	83		PPAN	Ø1Ø1	P2P2	Q·	D)	
L				R4		1234	Q*P4			
A1	313Ø	33ØØ			AØ76					
A1	33ØØ	347Ø			AØ77					
P	3475	38Ø6	64		FGDR	ØØØØ	P2P2		7+	
L						2113	P4			
A1	347Ø	367Ø			AØ78					
A1	367Ø	38ØØ			AØ79					

PLACER DOME INC.

(Geolog Form 3)

IDEN	Unique ID of Project	Drill Hole / Traverse	By	Page
IDEN680201	WINDY	DDH-01	SRF	05 / 16

Column headings: ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE — GRAPHIC LOG (Fract. | Chl | Carb | Ser | Silica | Py | Cpy)

Meterage marks: 38, 39, 40, 41, 42, 43

Graphic log annotations: Lost Core; Lost Core; Lost Core; Lost Core; Lost Core; Lost Core; Lost Core

1	FROM	TO	RECOV	T-MOD	ROCK	VEINS	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
/							CL CB SI P1 P2 P3 CP
			RQD	CS		FRACTURES	
L							EP SR LI MA

DESCRIPTIVE REMARKS

(35.02 - 36.05) highly broken, missing core
(36.10 - 37.20) " "
(@ 38.06) contact within highly broken core
(38.06 - 41.45) **INTERMEDIATE DYKE** - dark grey in colour, homogeneous with fine relict plag laths within an aphanitic matrix. Mod. pervasive chl + ser. alt'n, strong carb alt'n.
Rare qtz-carb stgs., 1-2% diss py.
(38.06 - 38.70) highly broken, missing core
(40.50 - 40.75) " "
(@ 41.45) fairly sharp contact
(41.45 - 55.10) **ANDESITIC TUFF** - light grey in colour, massive, mottled appearance. Absence of distinct attic
Mod. chl alt'n, strong pervasive carb alt'n and mod. to strong sericite alt'n
Rare qtz-carb stgs
1-2% py as diss + blebs.
(43.20 - 43.90) highly broken + missing core
(44.10 - 46.70) highly broken + missing core
(47.0 - 48.0) highly broken + missing core
(48.4 - 48.7) highly broken + missing core
(49.3 - 49.7) highly broken + missing core

1	FROM (5-10)	TO (11-16)	18-20	21-23	24-27	43-46	57-60	67-68
P	3806	4145	95		1M1D	ØØØØ	P2 P2	D)
L				R1		3113	P3	
A1	38ØØ	395Ø			AØ8Ø			
A1	395Ø	405Ø			AØ81			
A1	405Ø	415Ø			AØ82			
P	4145	551Ø	5Ø		ANLT	ØØØØ	P2 P2	D)
L				R1		XXXX	P4	
A1	415Ø	425Ø			AØ83			
A1	425Ø	44ØØ			AØ84			
A1	44ØØ	46ØØ			AØ85			
A1	46ØØ	482Ø			AØ86			
A1	482Ø	511Ø			AØ87			

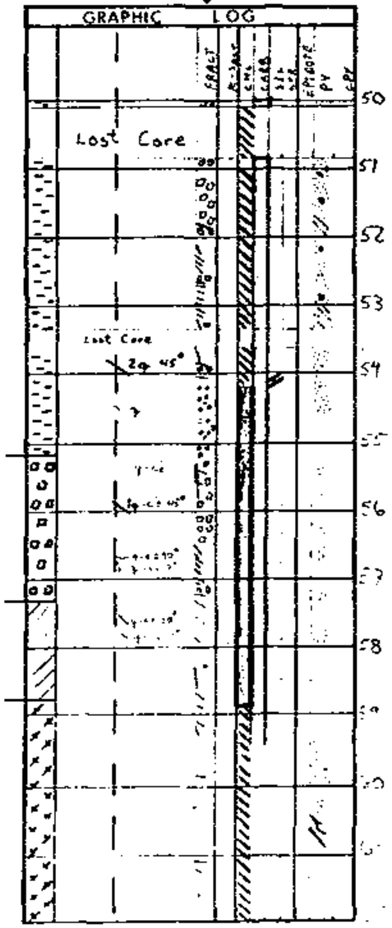
PLACER DOME INC.

(Geolog Form 3)

IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASSAY	DRILLER	MONTH	YEAR	TYPE					PAGE
IDEN	680201 W/ MOY	DDH-01			SRF										06 / 16

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

1 4	FROM (5–10)	TO (11–16)	RECOV (18–20)	T-MOD (21–22)	% (23)	ROCK (24–27)	QZ VEINS (43–46)	57–76: FILL IN COLUMN HEADINGS FOR HA/EX TYPE HEADINGS
/								CL CB SI P1 P2 P3 CP
L			RQD	CS			FRACTURES	EP SR LI MA



DESCRIPTIVE REMARKS	1 4	FROM	TO	RECOV	T-MOD	%	ROCK	43–46	57–58	59–60	61–62	67–68
(50.1 - 50.9) highly broken + missing core												
(54.0 - 54.2) one 7cm (True width) qtz-carb vein,												
sheared, 45° to CA, 1% py as diss + blebs,												
5% chl - vein may be heavily silic'd bx.												
(54.2 - 54.3) Subrounded frags of silic'd bx,	A/	5110	5250				A088					
up to 4cm in size within finely ground bx												
2-3% diss py - contact of fault gouge												
(54.3 - 55.1) Fault Gouge - 45-50° to C.A.,												
pasty, very chl'c	A/	5250	5400				A089					
(54.6 - 55.1) decline in py to <1%	A/	5400	5460				A090					
	A/	5460	5510				A091					
(55.1 - 57.3) **ANDESITIC PORPHYRY** - as	P	5510	5730	60			PPAN	1001	P6	P2		D*
previously described interval from	L				R1			5559		P2		
31.30 - 34.25. Sections of unit are dark												
green in colour from strong chloritization	A/	5510	5600				A092					
60-65% chl, 20-25% ser, 15-20% carb												
0.25 - 0.50% py as diss.												
(55.1 - 56.70) highly broken core - very chl'c	A/	5600	5730				A093					
(57.30 - 58.72) **INTERMEDIATE DYKE** - as	P	5730	5872	63			1M10	0111	P4	P2		D.
previously described unit from	L				R2			0202		P2		
38.06 - 41.45 with exception of medium grey												
in colour rather than dark. Mod. to	A/	5730	5870				A094					
strongly sheared, H: 4, strong + pervasive												
chl & carb alt'n, mod. ser. alt'n												
<0.5% diss py.												
(57.40 - 57.94) fault gouge, 40-45° to C.A., pasty												
(57.94 - 58.40) mod. to strongly sh'd @												
40-45° to C.A.												
(58.72 - 76.60) **FINE GRAINED DIORITE** - as	P	5872	7660	80			FGDR	0000	P2	P1	Q.	77
prev. described unit from 34.75 -	L				R2			1223		P3		
38.06. The mafic phenos may reach 6mm in	A/	5870	5950				A095					
size & are subhedral. H: 5 to 6	A/	5950	6060				A096					
Unit contains rare qtz-carb stringers.												

PLACER DOME INC.

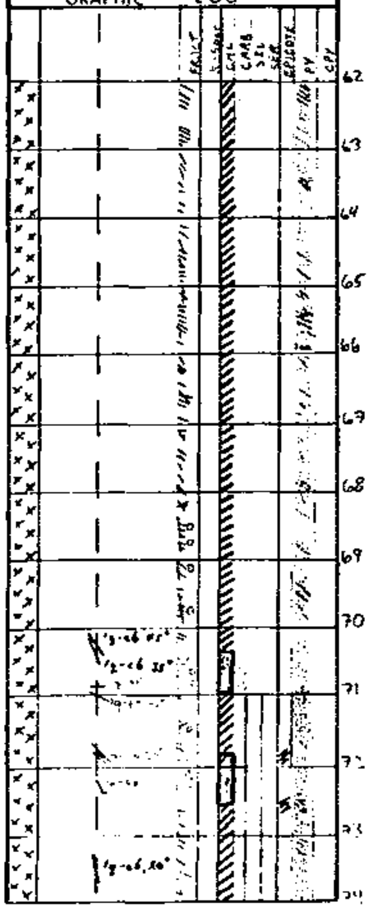
Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	BY	PAGE
TDEN6B0201 W/AXDY	DDH-01	SRF	07/16

DRILL COORD SYSTEM UNITS: S — M/F: T

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: CL CB SI P1 P2 P3 CP / EPSR LTHA

GRAPHIC LOG (ROCK TYPE, VEINS, FRACTURES, ALTERATION, MINERALIZATION, METERAGE 62–74)



DESCRIPTIVE REMARKS
Tr py until 59.30 where it increases to 1-2% as diss, bands up to 5mm wide & along fr. planes
(59.33-59.83) possible fluidal texture @ 45° to C.A. - mafic phenos 1-4 mm in size, marked increase in py to 1-2%
(59.50-60.60) large subhedral mafic phenos.
(60.60-63.10) fine plag & mafics in aph. matrix
(63.10-66.20) mottled texture
(66.20-67.20) fine plag + maf., mafic phenos
(67.20-70.40) mottled texture, mafic phenos
(70.40-71.00) two 1cm, 2cm qtz-carb vns, shear, 45° & 35° resp. to C.A., 0.25-0.50% py
(71.0-71.6) broken core, 2-3% diss. py
(72.5-72.7) solid h.r.
(72.7-76.6) fine plag & maf., mafic phenos
(72.80-72.84) pasty fault gouge
(73.64-73.74) ONE 1cm, qtz-carb vn, sh., 20° to C.A., smokey grey in colour, minor pyrite along vn contacts.
(73.80-75.00) broken core

A	FROM	TO	SAMPLE No.
A1	6060	6130	A097
A1	6130	6230	A098
A1	6230	6310	
A1	6310	6410	A100
A1	6410	6520	A101
A1	6520	6620	A102
A1	6620	6720	A103
A1	6720	6820	A104
A1	6820	6940	A105
A1	6940	7040	A106
A1	7040	7100	A107
A1	7100	7160	A108
A1	7160	7250	A109
A1	7250	7330	A110
A1	7330	7370	A111
A1	7370	7470	A112
A1	7470	7570	A113
A1	7570	7660	A114

PLACER DOME INC.

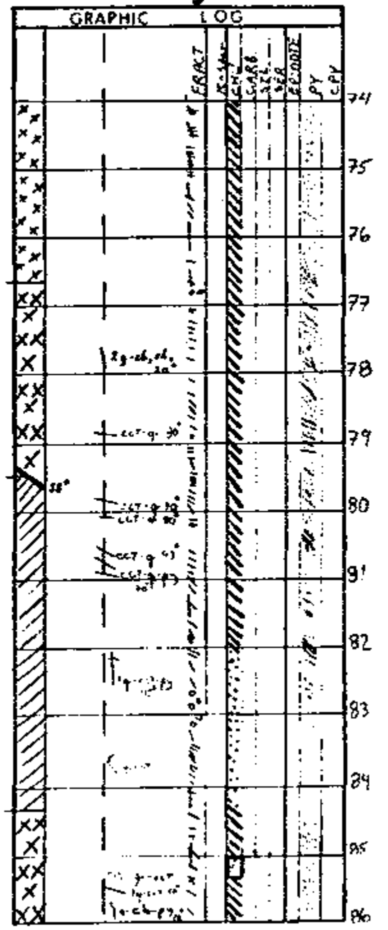
Geolog Form 3)

IDEN	Unique ID of project	Drill hole / traverse	Logged by	Page
IDEN680201	W/WDY	DDH-01	SRF	08/16

Drill coord system units: S — M/F: T

	FROM	TO	RECOV			ROCK		57–58	59–60	61–62	63–64	67–68	69–70	71–72	73–74
/								CL	CB	SI		P1	P2	P3	CP
			RQD	CS	EF		FRACTURES								
L								EP	SR			LI	MA		

GRAPHIC LOG: ROCK TYPE, VEINS, FRACTURES, ALTERATION, MINERALIZATION, METERAGE



DESCRIPTIVE REMARKS	1	4–10 FROM	11–16 TO	18–20 RECOV	21–23	24–27 ROCK	57–58	59–60	67–68
(76.60 – 79.40) MEDIUM GRAINED DIORITE –	P	7660	7940	91		MGDR	22	P.	7+
dark grey in colour, med. gr.,	L				RZ			P2	
H>4, massive, mottled texture 50% feld,									
50% pyrox and/or amph.									
Rare qtz-carb stgs., chl along fracture									
planes.									
wk to mod. chl + ser alt'n, no carb alt'n									
2-3% py as diss, stgs + along fractures									
(76.60 – 76.62) highly ground, chloritic,									
fault gouge ? @ 70° to C.A.									
(@ 77.7) ONE 2cm qtz-carb vn, sh, 20° to CA,									
smokey grey in colour, vein may actually be a	A1	7660	7760			A115			
patch since doesn't completely cut core, 1-2%									
py as stgs + blebs located mainly at cntc	A1	7760	7860			A116			
	A1	7860	7940			A117			
(79.38 – 79.40) contact is wkly shd @ 55° to C.A,									
mod. chl alt'n									
(79.40 – 84.30) INTERMEDIATE DYKE – light,	P	7940	8430	72		IMID	P2	P.	D+
limey green in colour, 15-20%	L				RZ			P2	
pyrox and/or amph xtl's (1mm avg.) + feld									
as fine laths and euhedral xtls with zonation	A1	7940	8040			A118			
(oscillation?) within a f.g. matrix. H=4. Chl	A1	8040	8110			A119			
alt'n along fr. planes + mafic xtls partially	A1	8110	8180			A120			
chl'd	A1	8180	8260			A121			
Occ. qtz-carb stgs., 2-3% py as diss,									
stgs., and along fr. planes.	A1	8260	8350			A122			
(79.4 – 79.5) wkly shd @ 55° to C.A. – no orig									
xtl's preserved									
(80.5 – 81.6) zoned feld xtls up to 5mm, dull yellow									
(@ 81.3) 1cm qtz-carb vein, tension, along	A1	8350	8430			A123			
fracture which doesn't cut core, 4-5% py as									
blebs (up to 1cm) along cnts.									
(82.55 – 84.30) Unit shows weak fabric with minor									
stretching of mafic (chl'c) xtl's.									
(@ 84.30) fairly sharp contact – core is broken									
so angle is not discernable.									

ACER
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C.

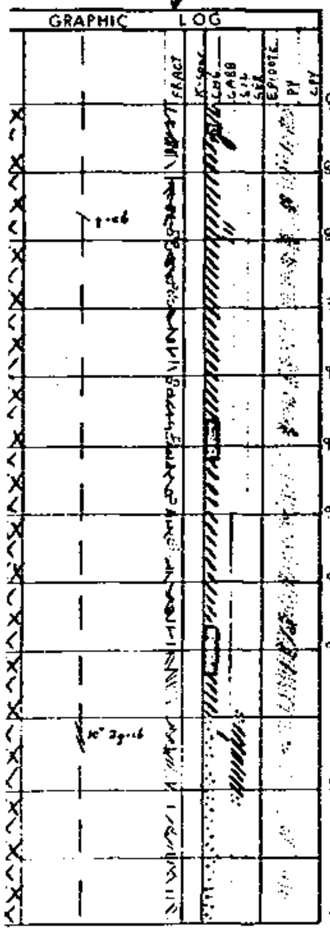
eolog Form 3)

IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	PAGE
IDEN680201	WINOV	DDM-01			SRF	Ø9/1[illegible]

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

	1	4	FROM (5–10)	TO (11–16)	RECOV. (18–20)	F-MOD (21–22)	ROCK (24–27)	QZ VEINS (43–46)	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS (57–76)
	/								CL CBSI P1 P2 P3 CF
					RQD	CS	CS	FRACTURES	
	L								EPSR LIMA

GRAPHIC LOG: VEINS, FRACTURES, ALTERATION, MINERALIZATION, METERAGE



DESCRIPTIVE REMARKS	1	4	FROM (7–10)	TO (13–16)	RECOV. (18–20)	21–23	ROCK / SAMPLE (23–27)	57–76
(84.30-99.20) MEDIUM GRAINED DIORITE -	P		8430	9920	85		MGDR	P2 P. P. 7+
as previously des unit from 76.60	L					R2		P2
to 79.40	A	1	8430	8500			A124	
(85.00-85.70) Shear Zone - mod to strongly chl'd	A	1	8500	8540			A125	
@ 45° to C.A., 25-30% qtz-carb veining, very	A	1	8540	8630			A126	
chloritic, 3cm of highly ground core, other section	A	1	8630	8670			A127	
are bad. 2-3% py as diss + along vn contc.	A	1	8670	8720			A128	
(85.30-85.90) INTERMED. DYKE - as des from 79.4	A	1	8720	8750			A129	
to 84.3 - fragments of this within diorite at contc	A	1	8780	8810			A130	
(86.6-87.8) INTERMED. DYKE - as dec from	A	1	8810	8900			A131	
79.4 to 84.3 - very fine grained with a 1cm								
band of fine py.								
(87.80-88.10) Zone of mod. carb alt'n,	A	1	8900	9000			A132	
increase in diss py to 3-4% - highly broken core								
(88.70-88.90) highly broken core								
(90.50-91.00) " " ", moderately	A	1	9000	9050			A133	
sheared @ 10° to C.A.	A	1	9050	9100			A134	
(90.65-90.80) pasty fault gouge + bx, 10-								
12% diss py, strong chl + ser. alt'n	A	1	9100	9200			A135	
(91.10-91.17) pasty fault gouge, <1% py								
(91.70-92.00) highly broken core								
(92.40-92.60) " " "	A	1	9200	9300			A136	
	A	1	9300	9400			A137	
	A	1	9400	9500			A138	
(95.17-95.33) Two 2cm, 1cm qtz-carb vns,								
sh, 30° to C.A., 30% chl'c bx, minor	A	1	9500	9550			A139	
(95.33-96.20) mod. sil'n + ser. alt'n	A	1	9550	9620			A140	
	A	1	9620	9720			A141	
	A	1	9720	9820			A142	

PLACER DOME INC.

(Geolog Form 3)

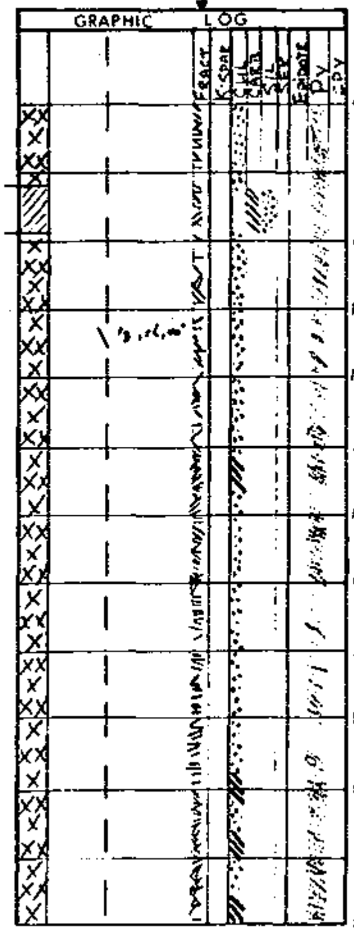
IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	PAGE
IDEN6B0201	WINDY	DDH-01			SRF	10/16

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

Column headings: FROM | TO | RECOV. | RQD / CS | ROCK | QZ VEINS | FILL IN COLUMN HEADINGS FOR NA/XX TYPE HEADINGS: CL CB SI · P1 P2 P3 CP / EP SR · LI MA

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

GRAPHIC LOG (Fract. · K-spar · Chl · Carb · Sil · Ser · Epidote · Py · Cpy)



Meterage: 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110

DESCRIPTIVE REMARKS

(99.20 - 99.80) <u>INTERMEDIATE DYKE</u> - light gray in colour, cubhedral plag (20%) and pyrox and/or amph (20%) xtls within a fine gr matrix. Xtl's are porphyritic in places. H = 3.5, massive. Rare qtz-carb stngs, 1-2% py as stngr+diss.

(99.80 - 114.80) <u>MEDIUM GRAINED DIORITE</u> - as prev. desc. unit from 76.6 to 79.4
(101.60 - 101.69) 1.5 cm qtz vn, ch, 40° to CA, 35-40% chl'c h.r., py concentrated along vn cntc

(103.27 - 103.55) mod. chl alt'n, 2-3% py as diss + stngs

(107.08 - 108.20) mod. chl alt'n, 2-3% py as diss + stngs

(108.60 - 108.75) mod. chl alt'n, 2-3% diss py
(108.75 - 110.30) wk to mod. chl alt'n, 7-8% py as coarse xtls mainly within stngs up to 3 mm wide.

Code	From	To	Recov.	RQD/CS	Rock / Sample	Qz veins / fill-in columns
A1	98.20	99.20			A143	
N1	99.20	99.80	95		1M10	ØØØØPØP2P1 D)
L				R3		Ø1Ø1 PØ
A1	99.20	99.80			A144	
A1	99.80	100.80			A145	
A1	100.80	101.50			A146	
A1	101.50	101.80			A147	
A1	101.80	102.80			A148	
A1	102.80	103.80			A149	
A1	103.80	104.80			A150	
A1	104.80	105.80			A151	
A1	105.80	106.80			A152	
A1	106.80	107.70			A153	
A1	107.70	108.70			A154	
A1	108.70	109.70			A155	
A1	109.70	110.30			A156	

PLACER DOME INC.

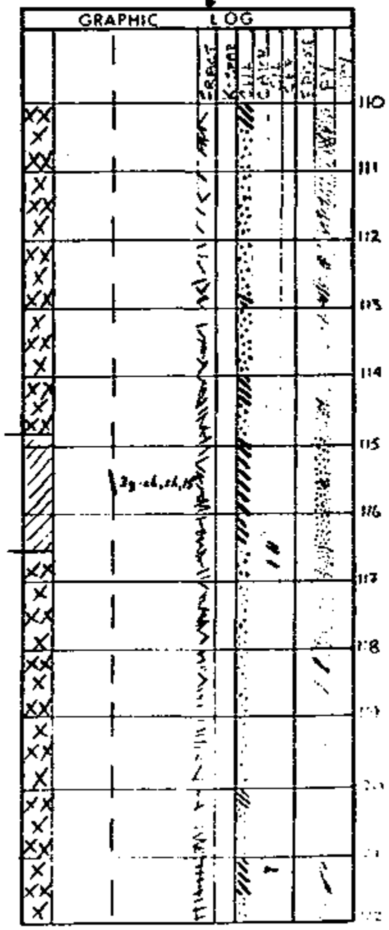
(Geolog Form 3)

IDEN6B0201 | Unique ID of project: WINDY | Drill hole / traverse: DDH-01 | Logged by: SRF | Page: 11/16

S | Drill coord system units | M/F: T | Total depth/length | Azm | V ang | Northing | Easting | Elevation

1	4	FROM (5–10)	TO (11–16)	RECOV (18–20)	T-MOD / % MOD (21–23)	ROCK (24–27)	QZ VEINS S M L (43–46)	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS (57–76)
/								CL CB SI P1 P2 P3 CP
				RQD	CS	~~CS~~	FRACTURES	
L								EP SR LI MA
				RECOV	SS - Sample Serial No		28 29 30 31	

ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE



DESCRIPTIVE REMARKS	1 4	5–10 (FROM)	11–16 (TO)	18–20	21–23	24–27	43–46	57–76
(110.10 - 110.15) patch of qtz-carb-chl								
	A1	11030	11130			A157		
	A1	11130	11230			A158		
	A1	11230	11330			A159		
	A1	11330	11410			A160		
	A1	11410	11480			A161		
(114.80 - 116.50) INTERMEDIATE DYKE - as	N	11480	11650	78		1H/10	ØØ1Ø	P2P. D+
previously desc unit from 99.20 to 99.80.	L				R2		2224	P+
2-3% py as coarse xlls + diss., some stygs	A1	11480	11570			A162		
mod. chl alt'n, wk sec. alt'n	A1	11570	11650			A163		
(115.5-115.62) 3cm qtz-carb vn, sh, 15° to C.A,								
10% chl, tr py								
(115.76 - 115.86) modly sh'd @ 45° to C.A.								
(@ 116.5) contact is sil'd with py stygs								
(116.5 - 131.4) MEDIUM GRAINED DIORITE -								
as prev. desc. unit from 76.60 to 79.40								
wk to strong pervasive chl alt'n, med to	A1	11650	11790			A164		
dark green in colour	A1	11790	11830			A165		
	A1	11830	11990			A166		
	A1	11990	12090			A167		
(120.00 - 120.30) mod. chl alt'n								
	A1	12090	12160			A168		
(121.1 - 121.2) patch of sil'n, coarse py stg								
2mm wide, h.r. modly chl'd.								
(121.3 - 121.6) qtz-carb-py str. @ 10° to C.A.	A1	12160	12280			A169		

PLACER DOME INC.

(Geolog Form 3)

Unique ID of project	Drill hole / traverse	Size of core	Logged	By	Assay'd	Driller(s)	Month	Year	Type	Survey system	Grid azimuth	Page
TDEN 0802 01	W1WDY	DDH-01			SRF							12/16

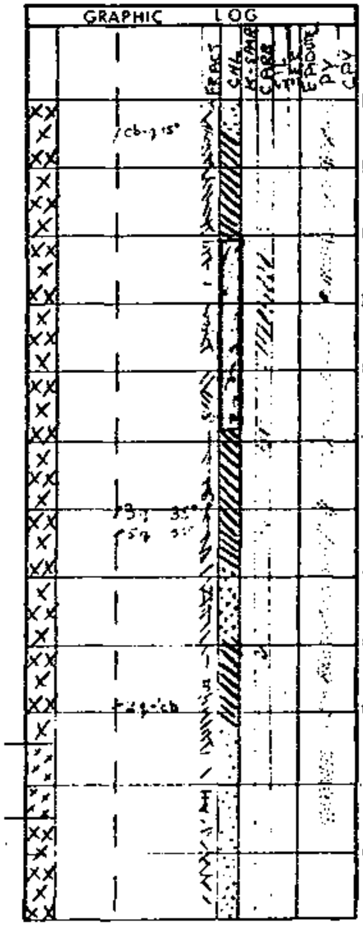
Drill coord. system units	M/F	Total depth/length	Azm	V Ang	Northing	Easting	Elevation
S	T	.	.	.	.	.	.

Column headings: 1 4 | FROM 5–10 | TO 11–16 | RECOV 18–20 | 21–22 | ROCK 23–27 | QZ VEINS 43–46 | FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS 57–76

/	C L C B S Z	P 1 P 2 F 3 C P
RQD / CS / FRACTURES		
L	E P S R	L 1 H M

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

GRAPHIC LOG (FRACT, CHL, K-SPAR, CARB, EPIDOTE, PY, CPY)



Meterage	DESCRIPTIVE REMARKS	1 4	From	To	18–20	21–22	23–27	43–46	57–58	59–60	67–68
122		A1	12280	12350			A170				
123	(122.80-124.05) mod chl alt'n	A1	12350	12410			A171				
124	(124.05-124.50) wkly sh'd @ 45° to C.A., strongly chl'd, 1-2% coarse py, rare qtz-carb stgs.	A1	12410	12450			A172				
		A1	12450	12510			A173				
125	(124.50-125.10) strongly chl'd, 4-5% qtz-carb stgs, 2-3% coarse + massive py	A1	12510	12600			A174				
126	(125.1-126.9) wk to modly sh'd @ 10° to C.A., strongly chl'd, 0.5% py (126.9-127.0) 50% qtz-carb patch, [illegible]	A1	12600	12700			A175				
127		A1	12700	12800			A176				
128	(128.2-128.3) 3cm qtz vein, possibly zone of intense alt'n, 55° to C.A., 20-25% py bands + dis	A1	12800	12850			A177				
		A1	12850	12950			A178				
129		A1	12950	13080			A179				
130	(130.8-131.0) wkly sh'd @ 55° to C.A., 15% qtz stgs which are [illegible] (@ 131.4) fairly sharp cnt. @ ~75° to C.A.	A1	13080	13140			A180				
131	(131.40-132.40) FINE GRAINED DIORITE - Med. grey to green in colour, massive, fine mafic & plag. xtls which stand out in a fine gr. matrix H: 3.5. Wk chl. alt'n, 1% diss py which is coarse at cnts. Very rare qtz-carb stgs (@ 132.4) cnt very sharp at 55° to C.A.	W	13140	13240	87		FGDR	0000	PI	P0	D)
		L				R2		1324		P0	
		A1	13140	13240			A181				
132	(132.4-134.9) MEDIUM GRAINED DIORITE - as prev. desc. unit from 76.6-79.4	A1	13240	13340			A182				

PLACER DOME INC.

(Geolog Form 3)

IDEN680201 | Unique ID of Project: WINDY | Drill Hole / Traverse: DDH-01 | By: SRF | Page: 13/16

Drill coord system units: S | M/F: T

	FROM	TO	RECOV	Z-MOD / RQD	ROCK	QZ VEINS / FRACTURES	Fill in column headings for NA/XX type headings
/							CLCBSI P1P2P3CP
				RQD CS			
L							EPSR L1MA

GRAPHIC LOG — ROCK TYPE, VEINS, FRACTURES, ALTERATION, MINERALIZATION, METERAGE (134–145)

DESCRIPTIVE REMARKS	Code	From	To	Recov	Z-Mod	Rock / Sample	Qz veins	57–60
(134.65-134.90) mod. chl. alt'n	A1	13340	13490			A183		
(@ 134.90) sharp cnt @ 65° to c.A.								
(134.90-135.3) FINE GRAINED DIORITE -	N	13490	13530	75			ØØØØ	P5 P2
as prev. desc. from 131.4-132.4 with	L				R1		XXXX	P2
exception of dark green colour from	A1	13490	13530			A184		
strong chl alt'n								
1% qtz-carb stgs, 1% diss. py								
(@ 135.3) sharp cnt @ 55° to c.A.								
(135.3 - 145.2) MEDIUM GRAINED DIORITE -	A1	13530	13610			A185		
as prev. desc. from 76.6 to 79.7	A1	13610	13690			A186		
(135.45-135.70) highly broken, chl'c, modly	A1	13690	13730			A187		
bl'd @ 40° to c.A.	A1	13730	13760			A188		
(136.00-136.30) highly broken	A1	13760	13800			A189		
(137.30-137.60) 25 cm qtz-carb vn, ch,	A1	13800	13900			A190		
35° to c.A., 10-15% chl as patches,								
4-5% diss py as patches & along fractures	A1	13900	13990			A191		
highly fractured; hw is bleached with	A1	13990	14030			A192		
ser. alt'n 2 cm either side of cnts.	A1	14030	14070			A193		
	A1	14070	14170			A194		
	A1	14170	14270			A195		
	A1	14270	14400			A196		
(144.03-144.15) zone of sil'n @ 35° to c.A.,								
10% diss. py	A1	14400	14450			A197		
(144.15 - 144.28) FINE GRAINED DIORITE with	A1	14450	14520			A198		
cnts @ 55° to c.A.								
(144.28 - 144.40) zone of sil'n @ 55°, 10% diss								
py								
(@ 145.2) sh'd cnt @ 45° to c.A.								

PLACER DOME INC.

(Geolog Form 3)

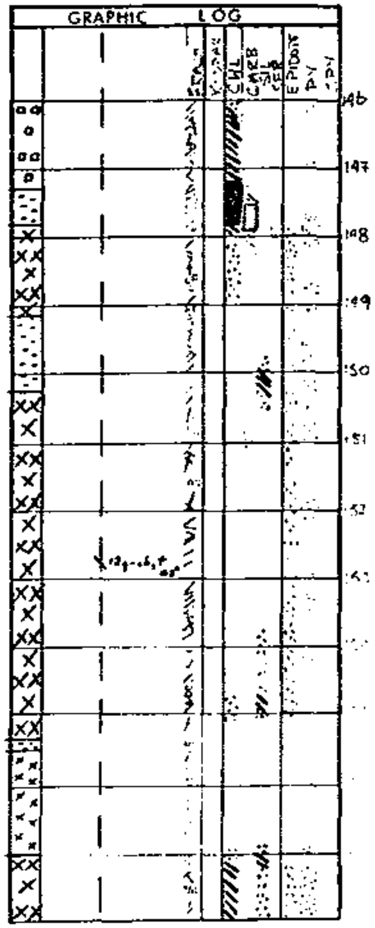
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED BY	PAGE
TDEN680201 WINDY	DDH-01		SRF	14/16

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

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: CL CB SZ — P1 P2 P3 CP ; EP SR — LI HA

ROCK TYPE — VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

(145.20 - 147.30) ANDESITE PORPHYRY - as prev. desc. unit from 31.30 to 34.75. H=3. Mod. chl alt'n, rare qtz-carb stgs. Tr to 0.25 % diss py.
(@ 147.30) sheared cnt

(147.30 - 147.78) ANDESITIC TUFF - med. greyish green in colour, mostly chl'd, only relict plag xtls remaining. H=2. Shearing @ 50° to C.A. Strong chl + carb alt'n, wk ser alt'n. 1% qtz-carb as small (3mm) patches. Tr py
(147.30 - 147.40) partly fault gouge around chl'd frags.
(147.57 - 147.70) partly fault gouge
(@ 147.78) sheared cnt @ 35° to C.A.

(147.78 - 149.10) MEDIUM GRAINED DIORITE - as previously desc. unit from 75.6 to 79.4. Slightly porphyritic with patchy, wk epidote alt'n + chl alt'n. <0.25 % diss py, occ. qtz-carb stcs.
(@ 149.1) sharp cnt @ 45° to C.A.

(149.1 - 150.3) ANDESITIC TUFF - med. grey, massive, H=3.5, slightly mottled texture, [illegible] texture. Fine, indistinct plag laths + euhedral xtls (20-25 %) + subhedral mafic xtls (25-30 %) within a f.g., glassy matrix. Relatively unalt'd with very wk epi alt'n. <0.25 % diss. py.
(149.1 - 149.35) highly broken core
(150.0 - 150.3) mostly chl'd

(150.3 - 155.3) MEDIUM GRAINED DIORITE - med. grey in colour, in places light green epi. coloration, massive, H=4, 50% sub-eu mafic xtls (avg. 1mm) + 50% feld. intergrowth. Mafic xtls porphyritic in places up to 1 cm. 2-3 % qtz-carb stgs, trace py

1	4	FROM (6-10)	TO (12-16)	RECOV (18-20)	21-22	ROCK / SAMPLE (23-27)	43-46	57-60	61-62	67-68
P		14520	14730	76		PPAN	ØØØØ	P3PØ		D·
L					R2			P2		
A	1	14520	14630			A199				
A	1	14630	14730			A200				
P		14730	14778	63		ANLT	ØØØØ	P5P3		D·
L					R1			P1		
A	1	14730	14800			A201				
P		14778	14910	74		MGDR	ØØØØ	P2Q)		D·
L					R2			P1Q)		
A	1	14800	14910			A202				
P		14910	15030	71		ANLT	ØØØØ	PØPØ	Q+	D·
L					R2			P+		
A	1	14910	15030			A203				
P		15030	15530	82		MGDR	ØØØØ	P:PØ	Q+	D
L					R2			P=PØ		
A	1	15030	15130			A204				
A	1	15130	15250			A205				
A	1	15250	15300			A206				

PLACER DOME INC.

(Geolog Form 3)

IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASS'T'D	DRILLER(S)	MONTH	YEAR	TYPE	DIRE-HRS	SURVEYED	SYSTEM	ORIG. AZIMUTH	PAGE
I D E N 6 8 0 2 0 1	W I N D Y	D D H - 0 1			S R F										15/16

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

FROM | TO | RECOV. | T-MOD | V/c MBC | ROCK | QZ VEINS S M SL Stot | FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS

1	4	5-10	11-16	18-20	21-22	23	24-27	43-46	57-76
/									C L C B S Z · · · · P 1 P 2 P 3 C P
				RQD	C S		⇔	FRACTURES S M SL tot	
L									E P S R · · · · L I M A

RECOV · SS - Sample Serial No. · 27 28 29 30 31 32

ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE

GRAPHIC LOG (K-SPAR, CHL, CARB, SIL, SER, EPIDOTE, PY, CPY) — meterage 158, 159, 160, 161, 162, 163, 164, 165, 166 ... ; vein notes: "q-cb 80°", "q-cb 20°", "Aq-cb, py 40°"

DESCRIPTIVE REMARKS

(150.8 - 151.0) highly broken core
(152.70 - 152.88) 12 cm qtz-carb vn, ten, 45° to C.A., 5% h.r. frags, nnning; hr is mealt'd.
(153.10 - 153.52) 5 cm of sil'n @ 55° to C.A., tr py at cntc.
(154.00 - 154.20) wkly sh'd @ 55° to C.A., modly sil'd, wkly chl'd + light epi green in colour
(155.28 - 155.30) mod. sil'n
(@ 155.3) sharp cnt. @ 55° to C.A.

(155.3 - 155.4) ANDESITE TUFF - as previously dec. from 149.1 to 150.3

(155.40 - 156.96) FINE GRAINED DIORITE - as prev. dec. unit from 34.75 to 38.06. Unit is mealt'd, H=3.5, occ. qtz-carb strgs, tr py.

(156.95 - 182.27) MEDIUM GRAINED DIORITE - as prev. dec. unit from 150.3 to 155.3. Patchy wk chl alt'n, zones of strong sil'n, patchy epi alt'n, tr py with exception of some sil'd zones where it may reach 0.5% as dissns. 50% pyrox and/or amph, 50% feldspar
(156.95 - 157.25) mod. sil'n
(157.25 - 157.98) mod. chl alt'n, wk sil'n, epi + ser, <0.5% diss py.
(161.95 - 162.40) wk ep alt'n
(162.40 - 163.00) strongly sil'd
(163.00 - 163.50) mod. epi alt'n
(165.80 - 167.20) wk sil'n
(167.70 - 168.00) 4 cm qtz carb vn, ten, 40° to C.A., nnnin + 0.5 cm qtz-carb strg @ 30° to C.A., nnnin
(169.1 - 169.5) wk sil'n + epi alt'n

1	4	FROM (5-10)	TO (11-16)	RECOV (18-20)	T-MOD (21-22)	ROCK (23-27)	43-46	57-66	67-76
A	1	15300	15370			A207			
A	1	15370	15420			A208			
A	1	15420	15530			A209			
P		15530	15540	80		ANLT	ØØØØ		
L					R1				
A	1	15530	15620			A210			
P		15540	15695	83		FGDR	ØØØØ	Q · P Ø Q ·	12 ·
L					R2			PØPØ	
A	1	15620	15700			A211			
P		15695	18227	76		MGDR	ØØØØ	Q * P Ø Q +	D*
L					R2			Q) Q ·	
A	1	15700	15800			A212			
A	1	15800	15900			A213			
A	1	15900	16000			A214			
A	1	16000	16100			A215			
A	1	16100	16190			A216			
A	1	16190	16240			A217			
A	1	16240	16300			A218			
A	1	16300	16400			A219			
A	1	16400	16470			A220			
A	1	16490	16600			A221			
A	1	16600	16700			A222			
A	1	16700	16800			A223			
A	1	16800	16900			A224			
A	1	16900	17000			A225			

PLACER
DOME
INC.

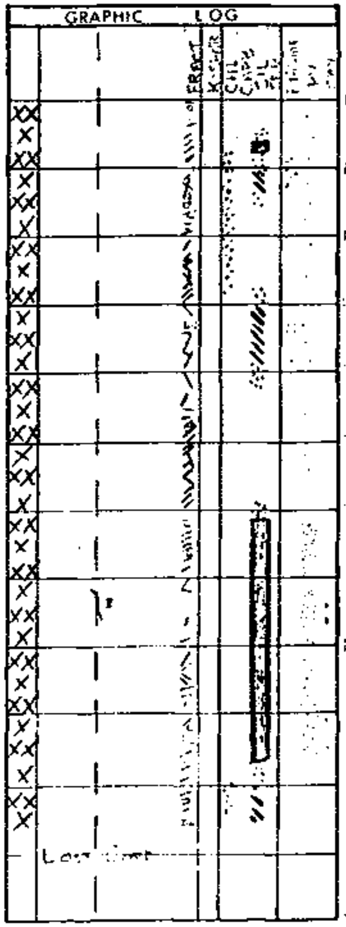
(Geolog Form 3)

1 0 E N 6 8 0 2 0 1	Unique ID of Project: W I N D Y	Drill Hole / Traverse: D D N - 0 1	Size of Core	Logged	By: S R F	Ass't	Driller(s)	Month	Year	Type	Finish-HRS	Surveyed	System	Grid	Azimuth			1 6 / 1 6
5	Drillcoord System Units →	M/F: T	Total Depth/Length	AZM	V ANG								Northing		Easting		Elevation	

Card	FROM	TO	RECOV.	T-MOD	ROCK	QZ VEINS	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
1							C L C B S T P 1 P 2 P 3 C P
			RQD	C S	⇔	FRACTURES	
L			RECOV	SS Sample Serial No			E P C R L 1 M A

ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE

GRAPHIC LOG



METERAGE	DESCRIPTIVE REMARKS	1 4	FROM	TO	24 25 26 27
170	(170.66-170.76) band of strong silic., tr py	A1	170.00	171.00	A226
1	(170.76-171.60) wk to mod. silic.	A1	171.00	172.00	A227
2		A1	172.00	173.00	A228
3	(173.0-173.9) mod silic., tr py	A1	173.00	174.00	A229
4		A1	174.00	175.00	A230
5		A1	175.00	176.10	A231
6	(176.15-179.6) strong silic., 0.5% diss py, tr cpy	A1	176.10	176.60	A232
		A1	176.60	177.10	A233
7		A1	177.10	177.60	A234
	(@177.43) cpy blob within qtz stg.				
	(@177.68) " " " " "				
8		A1	177.60	178.00	A235
		A1	178.00	178.50	A236
		A1	178.50	179.00	A237
9		A1	179.00	179.60	A238
		A1	179.60	180.50	A239
	(180.50-182.27) Lost Core				
1					
	(@182.27) END OF HOLE				

*** DRILL HOLE : DDH-01***

Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A051	7.20	8.20	1.00	0.2	32	20	40	11.0
A052	8.20	9.20	1.00	0.2	29	5	50	11.0
A053	9.20	10.20	1.00	0.2	25	5	53	8.0
A054	10.20	11.20	1.00	0.2	23	5	44	7.0
A055	11.20	12.20	1.00	0.4	28	50	95	2.5
A056	12.20	13.20	1.00	0.2	30	240	75	2.5
A057	13.20	14.60	1.40	0.2	24	60	67	2.5
A058	14.60	15.80	1.20	0.2	34	60	75	6.0
A059	15.80	16.80	1.00	0.1	23	10	76	9.0
A060	16.80	18.50	1.70	0.1	23	100	85	9.0
A061	18.50	19.50	1.00	0.1	35	140	95	8.0
A062	19.50	20.50	1.00	0.1	18	130	78	9.0
A063	20.50	21.50	1.00	0.1	19	330	76	8.0
A064	21.50	22.50	1.00	0.1	13	470	80	5.0
A065	22.50	23.50	1.00	0.1	18	130	104	9.0
A066	23.50	24.30	0.80	0.1	28	5	96	8.0
A067	24.30	24.60	0.30	0.1	31	80	37	6.0
A068	24.60	24.90	0.30	0.1	83	250	54	8.0
A069	24.90	25.70	0.80	0.1	36	30	56	7.0
A070	25.70	26.80	1.10	0.1	16	180	85	10.0
A071	26.80	27.40	0.60	0.1	75	600	51	2.5
A072	27.40	28.40	1.00	0.1	23	210	83	2.5
A073	28.40	29.30	0.90	0.1	31	150	68	2.5
A074	29.30	30.10	0.80	0.1	15	30	14	2.5
A075	30.10	31.30	1.20	0.1	8	5	21	2.5
A076	31.30	33.00	1.70	0.1	11	5	105	2.5
A077	33.00	34.70	1.70	0.1	7	5	131	2.5
A078	34.70	36.70	2.00	0.1	8	5	92	2.5
A079	36.70	38.00	1.30	0.1	6	5	17	2.5
A080	38.00	39.50	1.50	0.1	13	5	41	2.5
A081	39.50	40.50	1.00	0.1	16	5	93	2.5
A082	40.50	41.50	1.00	0.1	14	5	49	2.5
A083	41.50	42.50	1.00	0.1	12	5	17	2.5
A084	42.50	44.00	1.50	0.1	147	5	42	2.5
A085	44.00	46.00	2.00	0.1	32	5	48	2.5
A086	46.00	48.20	2.20	0.1	28	10	32	2.5
A087	48.20	51.10	2.90	0.1	50	5	168	2.5
A088	51.10	52.50	1.40	0.1	14	5	81	2.5
A089	52.50	54.00	1.50	0.1	14	5	42	2.5
A090	54.00	54.60	0.60	0.1	14	5	67	2.5
A091	54.60	55.10	0.50	0.1	21	5	90	2.5
A092	55.10	56.00	0.90	0.1	24	5	118	8.0
A093	56.00	57.30	1.30	0.1	24	5	120	11.0
A094	57.30	58.70	1.40	0.1	13	10	103	7.0
A095	58.70	59.50	0.80	0.1	9	5	110	5.0
A096	59.50	60.60	1.10	0.1	9	5	94	2.5
A097	60.60	61.30	0.70	0.1	13	5	92	2.5
A098	61.30	62.30	1.00	0.1	8	5	125	2.5
A099	62.30	63.10	0.80	0.1	6	5	104	2.5
A100	63.10	64.10	1.00	0.1	6	5	113	2.5
A101	64.10	65.20	1.10	0.1	8	5	143	8.0

*** DRILL HOLE : DDH-01***

Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A102	65.20	66.20	1.00	0.1	7	5	308	10.0
A103	66.20	67.20	1.00	0.1	4	5	138	2.5
A104	67.20	68.20	1.00	0.1	6	5	152	5.0
A105	68.20	69.40	1.20	0.1	10	5	120	5.0
A106	69.40	70.40	1.00	0.1	3	5	127	6.0
A107	70.40	71.00	0.60	0.1	12	5	127	8.0
A108	71.00	71.60	0.60	0.1	9	5	108	10.0
A109	71.60	72.50	0.90	0.1	23	5	77	6.0
A110	72.50	73.30	0.80	0.1	13	5	115	6.0
A111	73.30	73.70	0.40	0.1	3	5	61	12.0
A112	73.70	74.70	1.00	0.3	11	5	120	9.0
A113	74.70	75.70	1.00	0.1	2	5	70	13.0
A114	75.70	76.60	0.90	0.1	3	5	56	10.0
A115	76.60	77.60	1.00	0.1	3	5	137	13.0
A116	77.60	78.60	1.00	0.1	11	5	104	14.0
A117	78.60	79.40	0.80	0.1	9	5	130	10.0
A118	79.40	80.40	1.00	0.1	7	5	107	8.0
A119	80.40	81.10	0.70	0.1	2	5	123	7.0
A120	81.10	81.80	0.70	0.1	1	5	108	8.0
A121	81.80	82.60	0.80	0.1	5	5	97	6.0
A122	82.60	83.50	0.90	0.1	1	5	105	2.5
A123	83.50	84.30	0.80	0.1	1	5	108	2.5
A124	84.30	85.00	0.70	0.1	9	5	122	6.0
A125	85.00	85.40	0.40	0.1	27	5	64	5.0
A126	85.40	86.30	0.90	0.1	5	5	80	2.5
A127	86.30	86.70	0.40	0.1	3	5	75	42.0
A128	86.70	87.20	0.50	0.1	3	5	110	7.0
A129	87.20	87.80	0.60	0.1	16	5	126	9.0
A130	87.80	88.10	0.30	0.1	40	5	109	17.0
A131	88.10	89.00	0.90	0.1	11	5	95	11.0
A132	89.00	90.00	1.00	0.1	12	5	144	14.0
A133	90.00	90.50	0.50	0.1	13	5	131	11.0
A134	90.50	91.00	0.50	0.1	75	5	60	26.0
A135	91.00	92.00	1.00	0.1	7	5	94	7.0
A136	92.00	93.00	1.00	0.1	11	5	50	7.0
A137	93.00	94.00	1.00	0.1	22	5	31	12.0
A138	94.00	95.00	1.00	0.1	18	5	80	5.0
A139	95.00	95.50	0.50	0.1	48	5	18	2.5
A140	95.50	96.20	0.70	0.1	22	5	25	2.5
A141	96.20	97.20	1.00	0.1	11	5	76	8.0
A142	97.20	98.20	1.00	0.1	9	5	82	8.0
A143	98.20	99.20	1.00	0.1	13	5	80	9.0
A144	99.20	99.80	0.60	0.1	8	5	77	2.5
A145	99.80	100.80	1.00	0.1	11	5	92	14.0
A146	100.80	101.50	0.70	0.1	3	10	68	8.0
A147	101.50	101.80	0.30	0.1	2	10	115	15.0
A148	101.80	102.80	1.00	0.1	6	10	60	13.0
A149	102.80	103.80	1.00	0.1	8	10	67	9.0
A150	103.80	104.80	1.00	0.1	8	5	61	5.0
A151	104.80	105.80	1.00	0.1	9	20	48	6.0
A152	105.80	106.80	1.00	0.1	2	20	49	5.0

*** DRILL HOLE : DDH-01***

Core Sample	From	To	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A153	106.80	107.70	0.90	0.1	6	10	52	5.0
A154	107.70	108.70	1.00	0.1	19	30	35	8.0
A155	108.70	109.70	1.00	0.1	23	30	35	7.0
A156	109.70	110.30	0.60	0.1	16	40	91	6.0
A157	110.30	111.30	1.00	0.1	3	20	63	5.0
A158	111.30	112.30	1.00	0.1	5	20	118	2.5
A159	112.30	113.30	1.00	0.1	7	20	85	2.5
A160	113.30	114.10	0.80	0.1	9	10	56	5.0
A161	114.10	114.80	0.70	0.1	9	30	72	7.0
A162	114.80	115.70	0.90	0.1	18	20	88	2.5
A163	115.70	116.50	0.80	0.1	21	20	36	5.0
A164	116.50	117.90	1.40	0.1	16	30	40	6.0
A165	117.90	118.30	0.40	0.1	33	20	8	2.5
A166	118.30	119.90	1.60	0.1	14	10	41	2.5
A167	119.90	120.90	1.00	0.1	7	30	52	2.5
A168	120.90	121.60	0.70	0.1	10	20	42	2.5
A169	121.60	122.80	1.20	0.1	9	10	27	6.0
A170	122.80	123.50	0.70	0.1	27	30	14	2.5
A171	123.50	124.10	0.60	0.1	13	40	50	5.0
A172	124.10	124.50	0.40	0.1	30	5	59	6.0
A173	124.50	125.10	0.60	0.1	10	5	106	6.0
A174	125.10	126.00	0.90	0.1	4	5	55	2.5
A175	126.00	127.00	1.00	0.1	6	5	64	2.5
A176	127.00	128.00	1.00	0.1	9	5	52	2.5
A177	128.00	128.50	0.50	0.1	15	5	20	2.5
A178	128.50	129.50	1.00	0.1	6	5	54	2.5
A179	129.50	130.80	1.30	0.1	16	5	27	5.0
A180	130.80	131.40	0.60	0.1	23	5	28	2.5
A181	131.40	132.40	1.00	0.1	12	5	154	2.5
A182	132.40	133.40	1.00	0.2	8	5	58	5.0
A183	133.40	134.90	1.50	0.1	19	5	51	2.5
A184	134.90	135.30	0.40	0.1	26	5	6	2.5
A185	135.30	136.10	0.80	0.1	13	5	17	5.0
A186	136.10	136.90	0.80	0.1	14	5	32	8.0
A187	136.90	137.30	0.40	0.1	28	5	50	2.5
A188	137.30	137.60	0.30	0.1	17	20	90	2.5
A189	137.60	138.00	0.40	0.2	27	30	84	2.5
A190	138.00	139.00	1.00	0.1	10	5	44	2.5
A191	139.00	139.90	0.90	0.1	22	5	11	2.5
A192	139.90	140.30	0.40	0.1	18	5	8	8.0
A193	140.30	140.70	0.40	0.1	38	10	9	2.5
A194	140.70	141.70	1.00	0.1	25	5	19	5.0
A195	141.70	142.70	1.00	0.1	23	5	58	9.0
A196	142.70	144.00	1.30	0.1	32	5	16	6.0
A197	144.00	144.50	0.50	0.1	33	5	14	8.0
A198	144.50	145.20	0.70	0.1	20	5	34	9.0
A199	145.20	146.30	1.10	0.1	20	5	120	13.0
A200	146.30	147.30	1.00	0.1	8	5	130	8.0
A201	147.30	148.00	0.70	0.2	6	5	83	9.0
A202	148.00	149.10	1.10	0.2	3	10	60	6.0
A203	149.10	150.30	1.20	0.1	10	20	254	2.5

*** DRILL HOLE : DDH-01***

Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A204	150.30	151.30	1.00	0.1	6	40	114	10.0
A205	151.30	152.50	1.20	0.1	4	20	92	9.0
A206	152.50	153.00	0.50	0.1	3	10	22	16.0
A207	153.00	153.70	0.70	0.1	4	30	162	8.0
A208	153.70	154.20	0.50	0.1	1	10	70	9.0
A209	154.20	155.30	1.10	0.1	11	5	62	6.0
A210	155.30	156.20	0.90	0.1	6	10	207	17.0
A211	156.20	157.00	0.80	0.1	7	5	54	14.0
A212	157.00	158.00	1.00	0.1	9	10	76	2.5
A213	158.00	159.00	1.00	0.1	6	5	58	12.0
A214	159.00	160.00	1.00	0.1	6	5	72	2.5
A215	160.00	161.00	1.00	0.2	11	5	20	2.5
A216	161.00	161.90	0.90	0.2	8	10	265	2.5
A217	161.90	162.40	0.50	0.1	5	5	52	2.5
A218	162.40	163.00	0.60	0.1	1	10	10	2.5
A219	163.00	164.00	1.00	0.1	2	20	46	6.0
A220	164.00	164.90	0.90	0.1	3	5	41	5.0
A221	164.90	166.00	1.10	0.1	1	5	26	2.5
A222	166.00	167.00	1.00	0.1	1	5	8	2.5
A223	167.00	168.00	1.00	0.1	2	5	27	2.5
A224	168.00	169.00	1.00	0.1	1	5	17	2.5
A225	169.00	170.00	1.00	0.1	2	5	34	2.5
A226	170.00	171.00	1.00	0.1	2	5	20	2.5
A227	171.00	172.00	1.00	0.1	2	5	28	2.5
A228	172.00	173.00	1.00	0.1	1	5	21	2.5
A229	173.00	174.00	1.00	0.1	1	5	41	2.5
A230	174.00	175.00	1.00	0.1	1	5	27	10.0
A231	175.00	176.10	1.10	0.2	1	5	47	2.5
A232	176.10	176.60	0.50	0.1	1	5	11	2.5
A233	176.60	177.10	0.50	0.1	1	5	29	15.0
A234	177.10	177.60	0.50	0.1	1	20	220	2.5
A235	177.60	178.00	0.40	0.1	3	5	31	2.5
A236	178.00	178.50	0.50	0.1	3	20	60	18.0
A237	178.50	179.00	0.50	0.1	1	10	27	23.0
A238	179.00	179.60	0.60	0.1	2	10	12	2.5
A239	179.60	180.50	0.90	0.1	3	10	23	2.5

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A5617	6.10	8.53	2.43	0.6	65	92
A5616	8.53	11.58	3.05	0.8	50	80
A5615	11.58	14.63	3.05	0.4	175	104
A5614	14.63	17.68	3.05	0.6	100	117
A5613	17.68	20.73	3.05	0.1	3	124
A5612	20.73	23.77	3.04	0.1	130	150
A5611	23.77	26.82	3.05	0.2	120	104
A5610	26.82	29.87	3.05	0.2	240	100
A5609	29.87	32.92	3.05	0.4	90	86
A5608	32.92	35.97	3.05	0.6	190	158
A5607	35.97	39.01	3.04	0.4	30	92

*** DRILL HOLE : DDH-01***

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A5606	39.01	42.06	3.05	0.6	40	76
A5605	42.06	45.11	3.05	0.4	30	67
A5604	45.11	48.16	3.05	0.4	5	80
A5603	48.16	52.21	4.05	0.6	10	102
A5602	52.21	54.25	2.04	0.6	5	102
A5601	54.25	57.30	3.05	0.1	5	134
A5618	57.30	60.35	3.05	0.2	30	124
A5619	60.35	63.40	3.05	0.1	15	135
A5620	63.40	66.45	3.05	0.2	15	161
A5621	66.45	69.49	3.04	0.2	15	157
A5622	69.49	72.54	3.05	0.1	25	141
A5623	72.54	75.59	3.05	0.1	10	120
A5624	75.59	78.64	3.05	0.1	40	122
A5625	78.64	81.69	3.05	0.1	35	116
A5626	81.69	84.73	3.04	0.1	50	144
A5627	84.73	87.78	3.05	0.1	35	124
A5628	87.78	90.83	3.05	0.2	70	147
A5629	90.83	93.88	3.05	0.1	25	130
A5630	93.88	96.93	3.05	0.1	40	112
A5631	96.93	99.97	3.04	0.1	20	111
A5632	99.97	103.02	3.05	0.1	25	109
A5633	103.02	106.07	3.05	0.1	45	97
A5634	106.07	109.12	3.05	0.1	45	97
A5636	112.17	115.21	3.04	0.1	70	135
A5637	115.21	118.26	3.05	0.1	10	97
A5638	118.26	121.31	3.05	0.1	30	80
A5639	121.31	124.36	3.05	0.1	30	108
A5640	124.36	127.41	3.05	0.2	35	138
A5641	127.41	130.45	3.04	0.1	15	83
A5642	130.45	133.50	3.05	0.1	20	73
A5643	133.50	136.55	3.05	0.1	45	76
A5644	136.55	139.60	3.05	0.2	20	89
A5645	139.60	142.65	3.05	0.2	40	72
A5646	142.65	145.69	3.04	0.1	10	61
A5647	145.69	148.74	3.05	0.2	10	142
A5648	148.74	151.79	3.05	0.1	15	130
A5649	151.79	154.84	3.05	0.2	25	115
A5650	154.84	157.89	3.05	0.1	25	110
A5651	157.89	160.93	3.04	0.1	40	127
A5653	160.93	163.98	3.05	0.1	80	113
A5654	163.98	167.03	3.05	0.1	45	51
A5655	167.03	170.08	3.05	0.1	5	42
A5656	170.08	173.13	3.05	0.1	125	80
A5657	173.13	176.17	3.04	0.1	40	85

PLACER DOME INC. GEOLOG DRILLHOLE HEADER FORM

DRILLHOLE HEADER CARDS — FILL OUT ONCE PER HOLE

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	ASS'D BY	DRILLED DRILLER(S) / MONTH / YR.	RIG TYPE	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
1	DEH	6B02	01	1/216	00H-2	NQ	2254/189	MAP		OLYM JUL 89	YAL			GRD	Ø.ØØ	01	21

	COMPANY NAME	PROPERTY or PROJECT or SUB-PROJECT NAME
1PRJ	PLACER DOME INC.	WIWDY PROPERTY

	TURNING PT. 000=Collar	FROM	TO	MT or FT	TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FR. TRUE N.	V-ANG.	NEG. IF DOWN	NORTHING	NEG. IF SOUTH	EASTING	NEG. IF WEST	ELEVATION	NEG. IF SUB-SEA
S	000	000	12800	MT	.	090.00		-45.00		106.00		971.20		975.00	

← Drillhole coordinate system units.

See Note 4 → TO DEFINE HOW AND AMOUNT FIELDS OF ... out

	RECOVERY	Z-MOD	% MIX	ROCK	TM 1	TM 2	OM 1	TX 1	TX 2	GRAIN			STRUC ID	STRIKE AZM	DIP TO RT OR PLUNGE	ALTERATION AND MINERAL SUITES	OPEN FIELD
/NAM																CL CR SE XA P1 P2 P3	

	ROD	AGE FORM-N	ENVIR		LLC	STR 2 COLOUR	OM 4	TX 3	TX 4				FRACTURES			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 LENGTH	UNIT OF RECOVERY
/SCL	T.2	.

	UNIT OF ROD	LCTM or LB Hx
LSCL	.	

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

FILL OUT IF REQUIRED — CROSS OUT IF NOT REQUIRED

TURNING PT.	FROM	TO		TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FR. TRUE N.	V-ANG.	NEG. IF DOWN
S001				.		.		.
S002				.		.		.
S003				.		.		.
S004				.		.		.
S005				.		.		.
S006				.		.		.

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

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

A00 ← Assay File No. (Typically 1.)

AUMM ← ASSAY FIELD NAMES SEE NOTE 2 →

ALAB

ATYP

AMTH

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

SAMPLE ASSAY RECORDS

	FROM	TO	RECOVERY
A00			
A00			
A00			
A00			

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 however.
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 TX type field ... lower tier then becomes corresponding ... 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.

PLACER
DOME
INC.
(Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST	DRILLER (S)	MONTH	YEAR	TYPE	TIME - HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE	OF
IDEN680201 V Z / V	DDH-2			MAP										2	

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

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

GRAPHIC LOG

METERAGE: 0, 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23

FROM	TO	RECOV	T-MOD	% MOD	ROCK	QZ VEINS	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
		RQD			CS	FRACTURES	

DESCRIPTIVE REMARKS

Overburden
0-24.4m

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Geolog Form 3)

IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	BY	PAGE
I D E N 6 8 0 2 0 1	V 2 1 6	D D H - 2	M A P	3

SIZE OF CORE | LOGGED | ASST. | DRILLER(S) | MONTH | YEAR | TYPE | TIME-HRS | SURVEYED | SYSTEM | GRID AZIMUTH

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

S

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

Column headings: FROM | TO | RECOV | T-MOD | ROCK | QZ VEINS | 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	57–76
I								GX CB SX KF PI P2 P3
				RQD	CS	ES	FRACTURES	
L								EP AE SP CP LE MA
A				RECOV	SS: Sample Serial No.			

GRAPHIC LOG (FRACT, K-spar, CHL, CARB, SIL, SER, EPIDOTE, PY, CPY) — meterage 23–35; Lost Core (29, 30, 31, 32, 33, 34, 35); veins: qtz-cb, fg 30°, fg 50°, fg 40°

DESCRIPTIVE REMARKS	1	4	FROM	TO	RECOV	21–23	ROCK	43–46	57–76
(23.8-24.4m) Boulders, weath. diorite			0000	2440			ØVRD		
start of Core									
(24.4-55.63) MEDIUM GRAINED DIORITE: equigranular, fractured	P		2440	5563	82		MGDR		
and blocky dk green-grey. Hard = 5. 40-50% mafics (px and/or hb)	L					R2			
[illegible] xlls grain sz 0.25-5.0mm, avg. is 2mm. 40-50%	D		2440	2800					
f'ldsp (plag) Anh. grains from 0.4-4.0mm, avg. is 1.5mm.	L				27				
0.5-2% py disseminated (≤1.0mm), occurs in gm., in [illegible]	D		2800	3100					
to stringers. Structures obs. are: infrequent shears [illegible]	L				00				
and slickensides along most fracture surfaces: orientation	D		3100	3400					
is usually 50° to C.A.	L				00				
2-3% of m is cut by qt-cb veins [illegible], occasional (??) py									
[illegible] Alteration minerals are: chl - pervasive [illegible]	A	1	2500	2600		A57	02		
[illegible], occurs as partial replacement of mafics + along slickslid	A	1	2600	2710		A57	03		
surfaces. Cb occurs mostly as [illegible] along fract. surfs, wk-mod	A	1	2701	2804		A57	04		
at cb occurs in patchy dist. within gm. Silicification rare, it	A	1	2804	3216		A57	05		
is usually around qtz veins, increases in int. towards q.v. Sericite-	A	1	3200	3575		A57	06		
alt'n is pervasive + ranges from wk-strg, occurs @ fract. surf.									
[illegible] replacement of plag. Ep-alt'n is patchy, usually near									
veining, occurs as a replacement of plag, int. varies wk-strg	D		?440	2510				221	P) <) Q* D) <)
	L								P4 D+
(24.4-25.1m) weathered, limonite-stained, rusted out py [illegible]	D		2510	2590					P+ <+ P* D* <*
(25.1-25.9m) weak perv. sil'n, limonite stain decreases, [illegible]	D		2590	2710				030	P) <) P2 0? <) E
[illegible] are weathered out - giving pitted appearance.	L							105	P4
(25.9-27.1) sil'n inc., due to inc. in q.v. [illegible]	D		2710	2900		53	SHER	020	P2 <+ D* <*
[illegible] weath. out	L							XXX	E2 P4
(27.1-29.0) Shear Zone: chl inc. + sil'n decr. Rx is very broken up	D		2900	3200				240	P2 <+ D* <*
& 1.9m of core lost. Wk fol'n @ 60° to CA. Cb [illegible] due to	L							XAX	E4
fract. surf. inc. ≤1% py present	D		3200	3505				00D	P) <+ P2 D* <*
(29.0-32.0) increase in sericite along fract. surf. 2.4m lost core	L							XAX	E+ P4
(32.0-35.05m) Ser. sec. + fol'n. 2.6m of lost core									

PLACER DOME INC.

Geolog Form 3)

IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED BY	ASST.	DRILLER(S)	MONTH	YEAR	TYPE	TIME - HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE OF
IDEN6B0201	V21L	DDH-2		MAR										4

S	DRILL COORD. SYSTEM UNITS →	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S		1						

Column headings (HA/XX type): C L C O S T K F P 1 P 2 P 3 / E P 3 E S P C P L I M A; RQD: CS, CS; FRACTURES

GRAPHIC LOG: ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

Rock type	Veins	Meterage
XX (repeated)	q-cb 40°, q-cb 60°, q-cb 60°, q-cb 60°, q-cb 70°, q-cb-py, q-cb ~80°, q-cb 10°, q-cb, q-cb-py, 2 q-cb-py, q-cb-py	35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47

DESCRIPTIVE REMARKS	1	4	FROM (7–10)	TO (13–16)	RECOV (19–20)	Sample Serial No. (22–26)	43–45	57–60	61–62	65–66	69–70
(35.0-36.0) Rx still blocky but more competent, no fault gouge.	D		3505	3700			020	P+3)		0t	<)
Alteration is weak, mafic xl's well preserved as is plag. 1% py.	L				01		XXX		P)		
	D		3700	4000			040	P13)	3+	0*	<)
(36.0-38.0) Same as above. q-cb vein at 36.4 (1cm w/ py stringers)	L				14		XXX		P)		
and @ 36.8 (4cm - stox).	D		4000	4400			031	P13)		0)	<)
	L				20		XXX		P)		
(37.0-38.0) Very blocky; fine grained. Sil'n @ 37.9 due to q.v., <1%	D		4400	4500			100	P13)	·	0)	<)
	L				22		005	P3			
(38.0-39.0) Coarser grained, fract. but more competent - as @ 35-36.	D		4500	4700			113	P13)			
	L				12		345		P)	0)	<)
(39.0-40.0) Same as above.											
	A	1	3642	3648		A5707					
(40.0-41.0) Py incr. to 1% in gm, some w/ thin stressed q-cb vein	A	1	3648	3677		A5708					
(1cm) @ 40.75m = fault gouge mixed in (tube scar)	A	1	3677	3686		A5709					
	A	1	3686	3800		A5710					
(41.0-44.0) Same as above.	A	1	3800	3900		A5711					
@ 41.75m 0.5cm wd q-cb vn w/ 20% py	A	1	3900	4000		A5712					
@ 43.4m 5cm q-cb vn w/ frags of host rx.	A	1	4000	4068		A5713					
	A	1	4068	4080		A5714					
(44.0-47.0) Decrease in fracturing	A	1	4080	4173		A5715					
- Weak but pervasive epidote alteration, ep is replacing	A	1	4173	4185		A5716					
the plag (from 44.0-45.0).	A	1	4185	4285		A5717					
-2% q-cb veinlets w/ 20-50% dis py	A	1	4285	4378		A5718					
@ 44.9m a 1.5cm vein w/ 80% dis py.	A	1	4378	4388		A5719					
@ 45.7m a 2cm q-cb vn w/ 10% dis py.	A	1	4388	4484		A5720					
@ 46.33m a 2cm q-cb vn, open space filling (comb struct.)	A	1	4484	4506		A5721					
w/ qtz crystals growing out from the sides & 0.5cm py	A	1	4500	4573		A5722					
vein parallel to the c/a of the vein.	A	1	4573	4583		A5723					
@ 46.2m a 2cm q-cb vein w/ 10% py	A	1	4583	4632		A5724					
	A	1	4632	4640		A5725					
	A	1	4640	4673		A5726					
	A	1	4673	4678		A5727					
	D		4700	5000			4-2	P+3)		0·	<+
A5727 = o.o.V.	L						242		P)		
A5728 = q.v.	A	1	4678	4800		A5728					
	A	1	4800	4888		[illegible]					
	A	1	[illegible]	[illegible]		[illegible]					
	A	1	[illegible]	[illegible]		[illegible]					

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(Geolog Form 3)

Unique ID of project	Drill hole / traverse	By	Page
1DEN6B0201	DDH-2	MAP	5

Column headings: ROCK TYPE, VEINS, FRACTURES, ALTERATION, MINERALIZATION, METERAGE (47–59)

Fill-in column headings: CLCRST FE P1 P2 P3 / EP SEP SP CPLZ MA

GRAPHIC LOG / DESCRIPTIVE REMARKS

Descriptive remarks	1	4	From (7–10)	To (13–16)	19–20	21–23	Rock 24–27	43–46	57–66
(47.0 - 50.0) Same equigranular, moderately fracture, py <1%	D		4600	4900					
py	L				36				
- Ep alteration - pervasive but wk, the ep alt'n could be	D		4900	5200					
observed in this section because of a decrease in mafics (<5%)	L				42				
which makes the plag. which is altering much more apparent.	D		5200	5330					
@ 49.0 - 49.1 a network of anastomosing q-cb veinlets (they are all	L				49				
thin)	A		5330	5395		MC7	PPQR	000	P(3) P1 D+
@ 49.9 a 1cm q-cb vn w/ an ep halo (1-3mm) along its edge.	L							XXX	P1
	A		5330	5395		3	FGDR		P(2) P1 D7
(50.0-52.6) Only 2 q-cb veinlets, py <<1% & only	D		5395	5563			MGDR	122	P(73) P) D/
fracture. Ep alt'n is patchy & weak, usually only apparent on	L							XXX	P1
broken surface.									
	D		5000	5330				132	P(43) D+
(52.6-53.3) Mod. ep alt'n is pervasive, it is strongest between	L							XXX	P+ P1
a q-cb vn @ 52.8 & contact w/ underlying unit.	A	1	5000	5100		AS7	33		
- from 52.6-52.7 3 1cm q-veins are cut by a 1cm q-cb vein	A	1	5100	5200		AS7	34		
ES738 - the chilled margin @ contact.	A	1	5200	5260		AS7	35		
(53.3-53.95) INTERLAYERING OF F.G. DIORITE & ANDESITE(?) PORPHYRY WITH AMPHIBOLE MEGACRYSTS	A	1	5260	5280		AS7	36		
	A	1	5250	5330		AS7	37		
The majority of [illegible]	A	1	5330	[illegible]		AS7	39		
crystals up to 4mm long [illegible]	A	1	5335	5393		AS7	39		
[illegible]	A	1	5347	5387		AS7	40		
[illegible] 50% mafics [illegible]	A	1	[illegible]	[illegible]		AS7	41		
[illegible] 2-3% [illegible]	A	1	5?47	5560		AS7	42		
The contacts [illegible]	A	1	[illegible]	5560		AS7	43		
[illegible]	P		5563	5752			PPDR		
types throughout.	D		5563	5728	98	MC		020	P(13) P3 D7
	L				24	R2		XXX	P3
(53.95-55.63) MEDIUM GRAINED DIORITE : same as from [illegible]-53.3	A	1	5566	5578		AS7	44		
but slightly smaller gr. (1.5mm avg) & more mafics 50-55%.	A	1	5578	5700		AS7	45		
@ 55.63 CONTACT between [illegible] Porph w/ Amph Megacrysts	A		5778	5745	98	X	FGDR	30	P(2) D.
contact [illegible]					00	R2			P1
[illegible]	A	1	5700	[illegible]		AS7	46		
[illegible] (50%	D		5745	5957	98				P(1) D.
[illegible] contact. Contact is ~ 20° to C.A.	L				24	R2		XXX	P1
	A	1	5756	5760		AS7	[illegible]		
(55.63-59.57) DIORITE PORPHYRY W/ AMPHIBOLE MEGACRYSTS	A	1	5760	[illegible]		[illegible]	[illegible]		
lt. green/gray color [illegible]	A	1	5840	5859		[illegible]	[illegible]		
[illegible] 20%	A	1	[illegible]	5972		[illegible]	[illegible]		
[illegible]									

10-20% [illegible]

PLACER DOME INC.

(Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED BY	ASST.	DRILLER(S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE	OF
IDEN6B0201	V21K	DDH-2[illegible]		MAB									6	

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

ROCK TYPE — VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE

	FROM	TO	RECOV.	X-MOD	ROCK	QZ VEINS	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	57–76
I							L L C B S I K F P1 P2 P3
			RQD	CS	~~CS~~	FRACTURES	
L							E P S E A P C P L E M A
			RECOV	SS-Sample Serial No.	27 28 29 30 31 32		

GRAPHIC LOG (Lost Core; Lost Core; qtz-ep 80°; qtz-cb 30°; qtz-cb 30°; qtz-cb; qtz-cb 0°; qtz-ep 40°; qtz-ep; qtz-cb 50°) — Meterage 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71

DESCRIPTIVE REMARKS	1	4	FROM	TO	19–20	21–23	24–27	43–46	57–76
Subhedral [illegible] amph. x'ls 0.5-4cm 15-5% CC7 patchy dist. - most found in	A	1	4897	5950		A5	751	(Contact)	
[illegible] track. [illegible] 1-2% py 1-2mm cubes dist. throughout gms.									
Porphyritic text. is defined by large amph. x'ls set in a v.f.g. to									
aph. gms. Alteration includes: Chl - perv. but weak occurs as partial replacement									
of amph/pyrox Carb - patchy, occurs mainly as veilts (1-2%). Silcfn - has partially	P		5952	6195	72		PPDIR	000	P4 <) 3)
replaced [illegible] & fldsp. Ser. is perv. & strong replacement of fldsp. [illegible]	L				05	R2		xxx	P1
- Is is identical to "And Porph." except for larger mafics & stronger alteration	A	1	5950	6000		A5	752	(Silicified Zone)	
	A	1	6000	6100		A5	753		
@55.70 a 3cm qtz-cb vn w/ v. chl'd .25-.5cm frags within it.	A	1	6100	6200		A5	754		
(56.7-57.25) silc'n perv. & mod. sec. perv. & strong 1% 1mm py & 2%									
diss py veilts.									
(57.20-57.45) MEDIUM GRAINED DIORITE - contacts are broken as it	P		6195	6660	98	MC.	PPDIR	110	P+ <) D.
is possible that this is misplaced core.	L					R2		xxx	P1
(57.45-58.58) And Porph. w/ megacrysts as previously described.	D		6195	6500					
@57.50 a 7cm qtz-cb vn w/ v. chlt'd frags (1x2)	L				68				
@58.43 a sharp contact marking & strong silc'n from 58.43-58.59m	D		6500	6660					
	L				77				
@59.57 contact w/ Andesite Porphy ("[illegible] Porph.") Gradational contact	P		6459	6493	98	X	MGDR		PH <1 D+
marked by an increase in mafics (up to 30%) but a decrease in mafic	L					R2			P2 P1
x'll size (largest is [illegible]) over a 14cm length.	A	1	6200	6300		A5	755		
	A	1	6300	6400		A5	756		
(59.52-61.95) AUGITE PORPHORY DIORITE lt. green/gray, [illegible] blocky,	A	1	6400	6455		A5	757	(Contact w/ Dyke)	
porph. text., [illegible] Comp: 30% mafics px and/or amph (hbl), .25-5mm	A	1	6455	6471		A5	758	(Dyke)	
subh.-anh. x'ls - cubic, bladed & hex. 40-60% fldsp (plag) ranging from [illegible]	A	1	6471	6505		A5	759	(Contact)	
anh. to 3mm laths 10-20% qtz, [illegible] 1mm-2mm anh. [illegible] qtz in gms	A	1	6505	6523		A5	760	(Vein [illegible])	
secondary 1-2% py - as 1mm cubes, diss in gms & as py stringers (1-2%)	A	1	6523	66[illegible]		A5	761		
Ro is extensively [illegible] & serc'd giving a bleached appearance.	A	1	6610	6660		A5	762		
Alt'n includes: Chl - weak but pervasive partial repl. of mafics Carb -									
1% as veilts. Sil - qtz makes up [illegible] of gms. Ser - perv. & strong repl. of plag.									
@[illegible] contact w/ And. Porph. w/ Megacrysts. Gradational contact where over									
an [illegible] length mafic content decreases & mafic x'l size increases to 0.5-1cm									
(64.[illegible]-66.60) AUGITE PORPHORY WITH MEGACRYSTS: lt. grey, [illegible]									
[illegible] identical [illegible] Porph. [illegible] described at 55.62-59.52m									
[illegible]									
@64.25 a 1.5cm qtz-cb vn w/ [illegible]									
(64.52-64.93) MEDIUM GRAINED DIORITE [illegible] are sharp & [illegible]									
at 30° to CA. [illegible] contacts [illegible]									
[illegible] described. [illegible]									

PLACER DOME INC.

Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASS'T	DRILLER(S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE OF
IDEN680201	1/2/6	DDH-2		MAP										

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

Column headings (FROM, TO, RECOV., T-MOD, ROCK, QZ VEINS, FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS): CL CR SI KF P1 P2 P3 / RQD CS ES FRACTURES / EP SE SP CP LE MA

GRAPHIC LOG (columns: ROCK TYPE, VEINS, FRACTURES, ALTERATION, MINERALIZATION, METERAGE) — meterage 71, 71.1, 72, 73, 73.7, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83

DESCRIPTIVE REMARKS

(66.60-66.74) MEDIUM GRAINED DIORITE is same as at 58.57m and as [illegible] contact w/ And. [illegible] is not observed because of broken/missing core.
*@ 66.74-66.77 contact between dio & And. Tuff. Zone is very Ep altered (30% Ep). Also contains 20% mafic x'ls which have been strongly chloritized; 10% dis py

(66.74-68.55) ANDESITIC TUFF: med. green, H=~4.5, massive moderately fractured aphanitic g.m. w/ 20-30% plag & "[illegible]" phenocrysts. The groundmass was originally composed of ~70% plag which has altered to ep + ser, ep is more abundant than ser. ~20-30% mafics now altered to chlorite, ~5-10% qtz. Of the 30% phenos, 15-25% are plagioclase laths 1-5mm. These have some altered to sericite, but most, esp. the larger ones, have been replaced by qtz. 5-15% mafic phenos, amph and/or px, 1-5mm are strongly chloritized. 1% Cb veinlets & cb also along fract. surfaces. <1% py present

(68.55-69.53) SHEAR ZONE: med to dk green, H=3-4 where fault gouge [illegible] less sheared material=4. Strong foliation @ 30° to CA. [illegible] Strong Talc, Chl, ser alt'n. Qtz-carb w/o-25% py veins parallel folia. [illegible] py is conc. in veins along folia planes.

(69.53-71.09) FOLIATED ANDESITE TUFF: lt green, H=~4.5, med. fol. [illegible] [illegible] [illegible] [illegible] 68.51-69.53m. [illegible] chl alt'n [illegible] [illegible] [illegible] [illegible] [illegible] 69.5-70.08 [illegible] [illegible] [illegible]

(70.85-70.95) MEDIUM GRAINED DIORITE - [illegible] [illegible] [illegible] @ 70.95 tuff/dio contact [illegible] - tuff [illegible] chl alt'd

(71.09-73.30) MEDIUM GRAINED DIORITE med/dk green [illegible] H=4 20-30% mafics [illegible] [illegible] py [illegible] [illegible]

@ 72.9 [illegible] 73.3 [illegible] 72.9 [illegible]

(72.90-84.65) AUGITE PORPHYRY W/ MEGACRYSTS: [illegible] green, [illegible] [illegible] 55.63m [illegible] [illegible] Chl [illegible] [illegible] [illegible] 62.0-66.5m [illegible]

Code	From	To	Recov / Sample	Rock	Qz veins / Fractures	Cols 57-76
P	66.60	66.70	78	MGDIR	000	Ft L+ D·
L			00 R2		11D	P2
A1	66.60	66.80		AS 763		
P	66.80	71.10	78	ANXT		
L			30 R2			
D	66.86	66.84			110	P3 P+ D+ L*
L					XXX	P4 P2
A1	66.80	66.84		FS 764		
D	66.84	68.55			100	P3 P+ D+ L*
L					XXX	P3 P2
A1	66.84	67.85		AS 765		
A1	67.85	68.45		AS 766		
A1	68.45	68.50		AS 767	(Quartz vein)	
A1	68.50	68.70		AS 768	(Fault w/ [illegible])	
N	68.55	69.53	FS	FALK	130	P5 D· L1
L			00 R1		XXX	P4
A1	68.76	69.50		AS 769		
P	69.53	71.09	SS	ANXT	121	P4 L1 3) D+
L			15 R		XXX	P7
A1	69.56	70.48		AS 770		
A1	70.48	70.56		AS 771	(Quartz Vein)	
A1	76.56	70.95		AS 772		
A1	70.95	71.06		AS 773		
N	70.85	70.95	X	MGDR		P1 L+ D· L·
L						P2
P	71.09	73.30	78	MGDR		P1 L1 D) U) L)
L			14 R2			P2
A1	71.06	72.26		A? 774		
A1	72.56	72.36		AS 775		
P	72.90	84.65	MC	PPDR		
D	72.90	78.60	9"		2002	P2 L4 E· D) L)
L			3" R3		XXX	P2

PLACER DOME INC.

(Geolog Form 3)

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

S	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

DESCRIPTIVE REMARKS

Column headings: 1, 4 | FROM (5–10) | TO (11–16) | RECOV (18–20) | T-MOD (21–23) | ROCK (24–27) | QZ VEINS (43–46) | FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS (57–76)

Second header line: / | L | RQD | CS | FRACTURES

Third header line: A | RECOV | SS: Sample Serial No. | 27 | 28 | 29 | 30 | 31 | 32

1	4	FROM (5–10)	TO (11–16)	RECOV (18–20)	21	SS: Sample Serial No. (22–26)	43–76
A	1	7330	7460			A5776	
A	1	7460	7500			A5777	
A	1	7500	7550			A5778	
A	1	7550	7600			A5779	
A	1	7600	7680			A5780	
A	1	7680	7700			A5781	
A	1	7700	7800			A5782	
A	1	7800	7860			A5783	

ACER
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C.

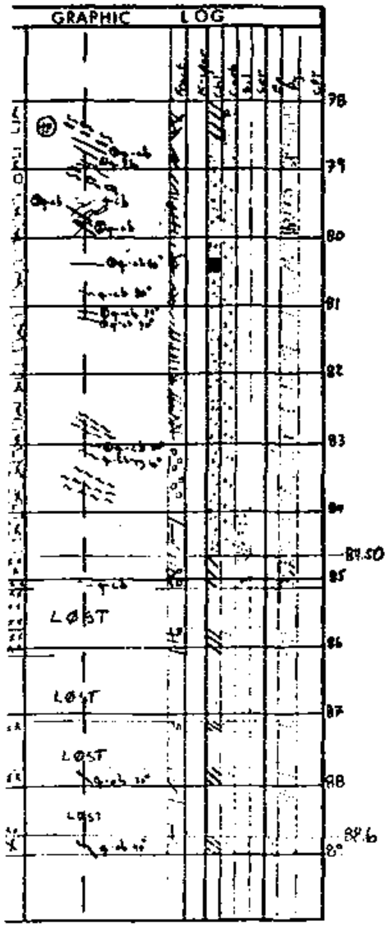
eolog Form 3)

IDEN	Unique ID of Project	Drill Hole / Traverse	Size of Core	Logged	By	Ass't'd	Driller(s)	Month	Year	Type	Time-Hrs	Surveyed	System	Grid Azimuth	Page
IDEN680201	V2/6	DDH-2			MAP										9

S	Drill Coord System Units	M/F	Total Depth/Length	AZM	V ANG	Northing	Easting	Elevation
S		T	.	.	.	.	.	.

VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

(78.10 - 79.10) Fault Zone: Rx is bx'd + cont. gouge and ltgrey bx'd text - some mafic grains still preserved (5% of them). Strong Tola @ 50°. Rx held together because of clay (sec + talc)
79.10 - 79.75 - as described in primary unit description
79.75 - 80.0 : small stockwork ... veins cut each other ... intruded (diopside) by a qtz-py vein. Some veins contain 70% py, others ~20%
@ 80.9 3cm qtz vn, chl envelope
80.0 - 80.7 : As described in primary descrip., weak silicif'n from
84.0 - 84.5 @ Pervasive but weak silicif'n, py decreases

(84.50 - 88.6) FINE GRAINED DIORITE: ... green, H=5-6, massive and fract., ... tola @ ~20°. Aphanitic ... w/ ~5% ... plag ... ~20% mafics ... ~40% plag ... alt'n ... fract. fill + ... 1-2% dis py ... 1-2% py in veins (fract. fill)

@ 88.6 contact along ... contact is fault off

88.6 - 89.2 : MEDIUM GRAINED DIORITE : lt gr/grey col, H=6, equigranular, 50-60% plag - anh. 1-2mm, 30-40% mafics - euh/subh 1-5mm, 5-10% qtz - anh as ... all - includes chl - v weak (.5-1%), Cb ~1% veins, sec - v. weak, <1% dis. py. Ep - weak & pervas. (2-3%) replacing plag.
@ 89.2 contact is fractured off

Card (1)	From (5–10)	To (11–16)	Recov / RQD (18–20)	21–23	Rock (24–27)	Qz veins / Fractures (43–46)	57–60	61–64	65–66	69–70
D	7866	7910	84	5K	FALT	0313	P+ <1		D)	<)
L			40	R1		2214		P+		
A1	7860	7910		A5	784					
D	7910	7975	66			1213	P) <)		D+	<)
L			00	R3		3336	E·	P+		
A1	7910	7975		A5	785					
D	7975	8000	100	FE	STØK	1223	P) <)		D+	<)
L			76	R3		0202	E·	P+		
A1	7975	8000		A5	786					
D	8000	8400	22			D223	P) <)		D+	<)
L			00	R3		XXXX		P+		
A1	8000	8200		A5	787					
A1	8200	8400		A5	788					
D	8400	8450	80			2113	P) <)	P+	D·	<·
L			25	R3				P+		
A1	8400	8450		A5	789					
P	8450	8860	14F	3	FGDR	0011	P4 <)		D+	<+
L			02	R2		XXXX				
A1	8450	8860		A5	790					
P	8864	8920	75		MGDR	0101	P+ <+		D)	
L			25	R4		0201	P+	P+		
A1	8860	8920		A5	791					

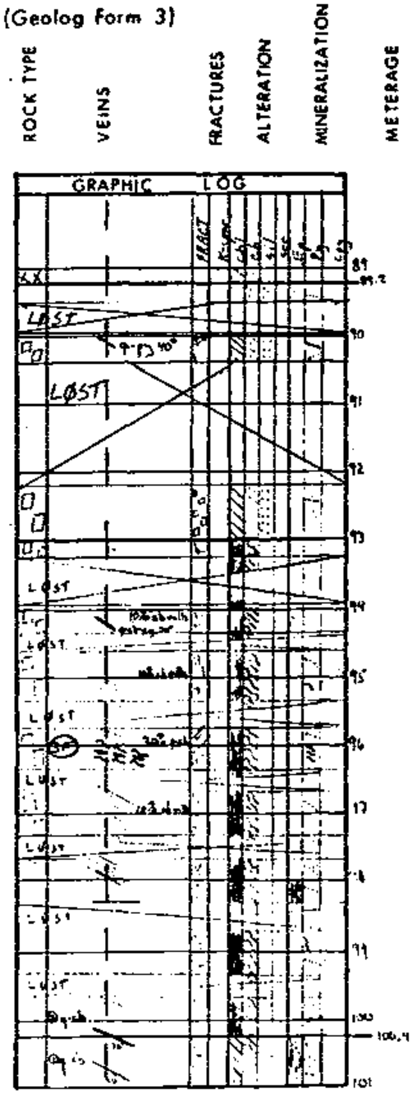
Column headings printed on form: FROM; TO; RECOV; Z-MOD; ROCK; QZ VEINS; FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS (CL CB SZ KF PY PZ P3 / PP SE SP CP LI MA); RQD; CS; CB; FRACTURES; RECOV; SS-Sample Serial No.

PLACER DOME INC.

(Geolog Form 3)

IDEN68020 1 | Unique ID of Project: V216 | Drill Hole / Traverse: DDH-2 | By: MAP | Page: 10

Drill Coord System Units: S | M/F: T



DESCRIPTIVE REMARKS

(89.3 - 93.0) AUGITE PORPHORY: Pale gr/gy, H=5-6, massive, locally fract, porph. text, 60-70% plag + aug 0.1-10mm, 20-30% mafics - subh-euh 5-50mm, Traces of ... Alt: Chl = perv. + repl of mafics, Cb - fract fill + stringers 3-4%, Si - perv ... (.5-1%), Ser: perv ... repl. of plag. 2-3% py as fract fill, stringers ... in gm.

(93.0 - 100.4) SHEAR ZONE: dk green, H=~3, heavily fract, strong foln @ 15°-30°. Original comp. was augite porphyry, Comp is 70-80° chlorite, 20-30° clays (ser, talc, ...) ... gouge. ≥3% py as ... in ... All veining is parallel to foln. Also 3-4% cb as veinlets.
95.8 - 95.8: Fault gouge w/ ... (...) phenos
98.0 - 98.5: weakened plag porph very ep'd
98.9 - 99.5: 1-2 3cm cb veins, some blocky chunks

(100.4 - 101.3) AND. AUG. PORPH w/ MEGACRYSTS as previously described but w/ strong perv ep alt.

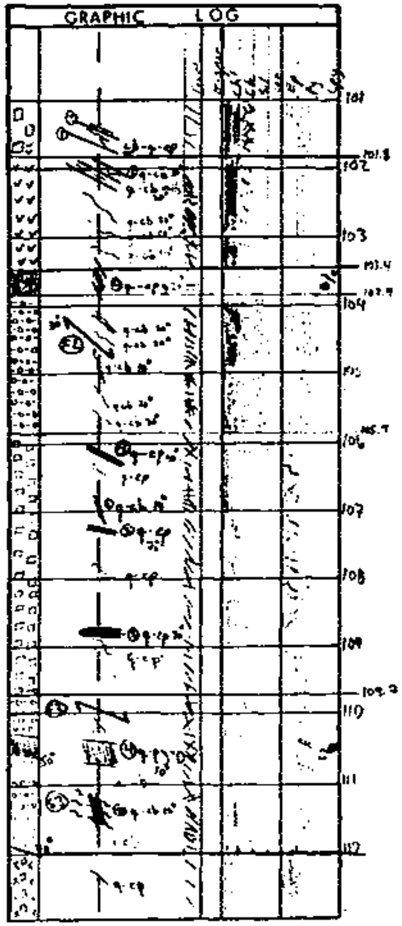
1	From (5-10)	To (11-16)	Recov. (18-20)	21-23	Rock (24-27)	43-46	57-64	65-76
P	8 9 2 0	9 3 0 0	2 9	M C	P P A N	0 0 0 0	P 2 L = P 1	D 1 ... C +
L			0 3	R 3		X X X X	P 2	
A1	8 9 2 0	9 3 0 0		A	5 7 9 2			
P	9 3 0 0	1 0 0 4 0	4 2	F S	S H E R	0 7 0 7	P 7 C 1	D . U + C P
L		0 2		R 1		X X X X		
A1	9 3 0 0	9 6 0 0		A	5 7 9 3		0 5 ... P +	
A1	9 6 0 0	9 8 0 0		A	5 7 9 4			
A1	9 8 0 0	1 0 0 4 0		A	5 7 9 5			
P	1 0 0 4 0	1 0 1 3 0	5 6	M C	P P A N	1 1 0 2	P 4 4 1	D * ... C + E 2
L			2 2	R 2		1 1 1 2	P 4 ... P 2	E .
A1	1 0 0 4 0	1 0 1 3 0		A	5 7 9 6			

PLACER DOME INC.

Geolog Form 3)

IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	LOGGED BY	PAGE OF
6B0201	U2/6	0DH-2	MAP	1/1

ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE



RQD · 65 · 28 · FRACTURES

Column headings (57–72): CL CB SZ KF P1 P2 P3 / FP SF SP CP LI MA

DESCRIPTIVE REMARKS	Card	FROM (5–10)	TO (11–16)	RECOV (18–20)	T-MOD (21–22)	ROCK (24–27)	QZ VEINS (43–46)	57–76
(101.3 – 101.8) [illegible] increases [illegible] to	P	10130	10180	75	MC	AN/IF	1314	P4 <1 · D* · <1
2–[illegible], mafic content also increase to ~[illegible]% [illegible]	L			23	R2		2213	
[illegible] to a more mafic [illegible] massive	A1	10130	10340			A5 797		
flow.								
101.8 – 103.4 [illegible] 1k gr, H=4 massive, [illegible]	P	10180	10340	82	PP	AN/IF		P5 <1 · D* · <·
[illegible]	L			25	R2			
[illegible] spsx, [illegible]								
[illegible]								
(103.4 – 103.9) QUARTZ VEIN W/ CPY : [illegible]	P	10340	10390	70	CP	QZV,N		
and [illegible] cpy	L			00	R			DI
	A1	10340	10390			A5 798		
(103.9 – 105.9) FINE GRAINED DIORITE : [illegible] dk gr, H=5, mod [illegible],								
[illegible] 20° 20%, equigran text. 40% mafics altering	P	10390	10590	50		FGDR	3104	P5 <1 P1 · U1
to chlorite, 40-50% plag (lath shaped ~1mm), 5-10% quartz	L			40	R2		XXXX	P1
(anhedral). 1% pyrite. Weak but perv. ep alt of plag. 1-2%	A1	10390	10590			A5 799		
Cb veinlets & stringers. 1% diss py.								
105.55 – 106.0 grad. contact – [illegible] marked by disappearance								
of [illegible] & [illegible] of px. x'lls.								
(105.9 – 109.7) : AND. AUG. PORPH. dk gr, H=5, [illegible]	P	10590	10970	85		PPAN	1314	P4 <· · D· U· · E1
porph text. 60% mafics – 30% ([illegible] [illegible]) & 30% in gm. 40%	L			34	R2		4537	P1 · A1 · <+
plag – [illegible] (.5mm) in gm. 1-2% qtz [illegible]. Trace of dis py.	A1	10590	10790			A5 800		
Alt: chl-[illegible] [illegible] of mafics, Cb – 1% vnlts, Ser – perv & [illegible]	A1	10790	10970			A5 801		
[illegible] of plag. Ep – [illegible] 1% vnlts, in qtz veins & [illegible] perv. [illegible] of								
plag.	P	10970	11200	74	FR	AN/IL	1314	P4 <+ P7 · 01 U1
Grad. contact – mafic x'lls become [illegible] [illegible] plag phenos	L			00	R2		5457	
larger & more abundant	A1	10970	11040			A5 802		
(109.7 – 112.0) FINE GRAINED DIORITE : [illegible] : as described	N	11040	11070		CPX	QZV,N		UL
@ 105.9 – 109.7 except [illegible] is lighter color (dk gr) [illegible] less chl	L							O=
	A1	11040	11070			A5 803		
110.4 – 110.7 : quartz vein (shear) w/ 10% [illegible] py & 5% cpy	A1	11070	11200			A5 804		
– 10% py [illegible] extending into host [illegible] each contact								
@ 111.2 : sheared [illegible] ([illegible] 30°) w/ a [illegible] which is								
[illegible] but not [illegible] ([illegible])								

PLACER DOME INC.

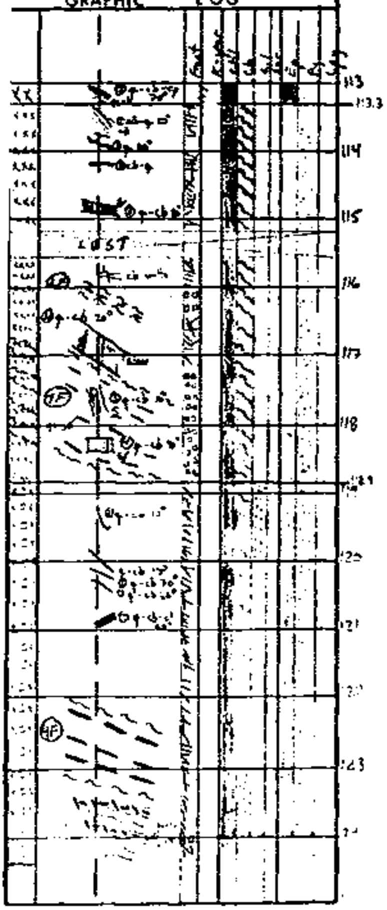
(Geolog Form 3)

IDEN	680201
UNIQUE ID OF PROJECT	V216
DRILL HOLE / TRAVERSE	DDH-2
BY	MAP
DRILL COORD SYSTEM UNITS → M/F	S / T
PAGE	12

Column headings for HA/XX type headings: CL CR SI KF PI PZ P3 EZ / EP SE SP CP LI MA

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

GRAPHIC LOG



DESCRIPTIVE REMARKS

@ 112.0 sharp contact (50°) w/ m.g. dior.

(112.0 – 113.3) MEDIUM GRAINED DIORITE: [illegible] H=36, massive, lightly textured 60% plg alter'g to [illegible] 30% mafics [illegible] alter'g to chl (strong) 0–1% [illegible] py.

@ 113.3 a sharp op alt contact [illegible] contact going to finer grained.

(113.3 – 118.9) FINE/MEDIUM GRAINED DIORITE: med. grey, massive, [illegible], equigranular, H=35, 70% plg [illegible] 30% mafics [illegible] 1% [illegible]

117.1 – 118.9 Fault, [illegible] 35° [illegible] veins [illegible] (texture) 1–3% [illegible] py [illegible]

(118.9 – 124.9) [illegible] PORPH [illegible]: med. gr col, H=2–5, massive, [illegible] porph text w/ 20–30% 2–4mm [illegible] (70%): 55% plg [illegible], 10–20% mafics [illegible] to chl. 2–5% [illegible] Traces of [illegible]

119–120 [illegible] strong [illegible]

120 – 122.2: [illegible]

122.2 – 123.2: [illegible]

123.2 – 124.9 [illegible]

@ 124.9 sharp contact w/ F.G. DIORITE: [illegible] color change [illegible]

1	4	FROM (5–10)	TO (11–16)	RECOV (18–20)	21–23	ROCK (24–27)	QZ VEINS (43–46)	57–76
P		11200	11330	90	EP	MG DIR	1 1 2 3	P3 … D- U. … E2
L				20	R3		1 3 2 4	P4 E3 P2 … E+
A	1	11200	11330		AS	805		
P		11330	11890			FGDR		
D		11330	11710	50			2 3 3 4	P4 P2 … D- U.
L				05	R2		X X X X	
A	1	11330	11710		AS	806		
D		11710	11890	56	4F	FALT	2 2 1 3	P4 P1 … U=
L				00	R1		X X X X	P1 … P2
A	1	11710	11890		AS	809		
P		11890	12440			PPDR		
D		11890	12000	9[illegible]			1 1 0 1	P4 <) P4 … T-
L				27	[illegible]		X X X X	P2 … P3
A	1	[illegible]	[illegible]200		[illegible]	809		
D		[illegible]	[illegible]	68			1 2 1 3	P4 <) … T-
L				18	R[illegible]		X X X X	P4
A	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		
D		[illegible]	[illegible]	[illegible]		[illegible] G	[illegible]	
L				70	E1			
D		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1 2 3	P4 < 1 … T-
L				[illegible]	R[illegible]		X < < X	P1 … P3
A	1				[illegible]	811		

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(Geolog Form 3)

1DEN680201	UNIQUE ID OF PROJECT: 4716	DRILL HOLE / TRAVERSE: DDH-7	SIZE OF CORE:	LOGGED:	BY: MAP	ASS'D / DRILLER(S) / MONTH / YEAR / TYPE / TIME-HRS / SURVEYED / SYSTEM / GRID AZIMUTH:	PAGE: 13
S	DRILL COORD SYSTEM UNITS → M/F: T	TOTAL DEPTH/LENGTH:	AZM:	V ANG:	NORTHING:	EASTING:	ELEVATION:

Coding header: FROM (5–10) | TO (11–16) | RECOV. (18–20) | T-MOD (21–23) | ROCK (24–27) | QZ VEINS (43–46) | FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS (57–76)

Column headings row I: CL CB SZ LF P1 P2 P3 HM MG
Row L: RQD | CS | FRACTURES | FP SF CP
Row A: RECOV | SS Sample Serial No.

GRAPHIC LOG — ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE

Meterage marks: 125, 126, 127, 128, 129, 130, 131, 132, 133, 133.5, 134, 134.4, 135, 136, 137

Vein annotations: q-cb 30°; q-cb-cp; q-cb 10°; q-cb-py; q-cb; q-cb-py; q-cb-po; q-cb 20°; q-cb; 50°

DESCRIPTIVE REMARKS

(124.4-126.0) FINE GRAINED DIORITE or AND Flow/Tuff ??
dk green, mass, mod fract, H=5.5, equigranular to porph (except below)
1-3mm cb amyg[illegible] ch[illegible] appear to have replaced plag,
some are ep-cb. These could be cb amygdules. Hematite staining along fract
@ 126.0m a sharp contact w/ chilled margin along porph. It appears
that the aug porph is [illegible] the comp of the chilled margin.

(126.0-133.5) AUGITE PORPHORY DIORITE: med green, H=5, Massive, highly
fractured, porph. text (30% pheno) 20% plag - sub 5mm, 30-40% aug -
sub/euh 5-7mm, 2-5% qtz - anh 5mm, ≤1% dissp py, ≤1% euh [illegible] py
[illegible] fract and along [illegible] Alt: Cb repl of matrix - pervasive, Cb ≤ 1%, fract fill
[illegible] - patchy, ... , Ser - pervasively repl of plag. Ep - Zones - pervasive
repl of plag.
126.0-128.0: Perv. ep alt'n
128.0-129.8: F.G. Dr. - H gy, epidote - possibly a dyke.
129.8-133.5: Weak but perv. silicif'n

(133.5-134.4) V.F.G. MAFIC DYKE: black, massive, highly fract. H=4-5
5-10% [illegible] phenos in an aphanitic gm, weakly foll'd 50°.
50-60% [illegible], 30% (?) [illegible], 10% cb, ≤1% euh py (1-2mm). [illegible]
[illegible]

[illegible] Degree of foln
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
Foln 50°

Code	FROM	TO	RECOV	T-MOD	ROCK	QZ VEINS / 43–46	57–64	65–76
P	12440	12600	78		FGDIR	0303	P4 P1	D U HM
L			45	R3		2425	F1	<+
A1	12440	12600		A5	B12			
P	12600	13350			PPFR			
D	12600	12800	70			3114	P2 <)	D) U <) HM
L			10	R2		XXXX	P4 P3	<*
A1				A5	B13			
N	12800	12980	40	X	F6DR	3113	P2 <)	D) <) HM
L			15	R3		XXAX		<•
A1	12800	12980		A5	B14			
D	12980	13350	85			331	P2 <) P=	D) <) HA
L			57	R3		XXX	P3 P2	<)
A1	12980	13350		A5	B15			
P	13350	13440	89	VF	DF/D	110	P6 P1	D U) HG
L			37	R2		21		DJ
A	13350	13440		A5	B16			
P	13440	[illegible]	91		[illegible]	121	P2 <) P=	
L			45	R3		423	PX	
[illegible]	13440	13[illegible]		[illegible]	[illegible]			
[illegible]		13500		[illegible]	[illegible]			
[illegible]	13[illegible]	13500			[illegible]			
N	[illegible]	[illegible]			[illegible]			
A	[illegible]	[illegible]		A5	B[illegible]			

PLACER DOME INC.

Geolog Form 3)

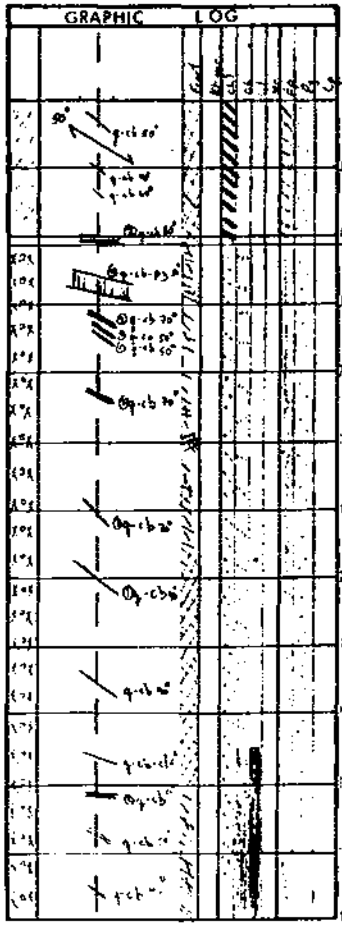
I	D	E	N	6	8	0	2	0	1	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE
										U7/6	DDH-2			MAP										14

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

		FROM (5–10)	TO (11–16)	RECOV. (18–20)	Y-MOD (21–23)	ROCK (24–27)	QZ VEINS (43–46)	FILL IN COLUMN HEADINGS FOR NA/XX TYPE HEADINGS (57–76)
/								CL CB SI KB ?1 P2 PS HM
				RQD		CS	FRACTURES	EP SE 1P
L				RECOV	SS: Sample Serial No.	27 28 29 30 31 32		CP LI MA

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

GRAPHIC LOG



DESCRIPTIVE REMARKS

(136.80–139.12) ANDESITE FLOW (spec. cut) dk green, H=5, mod. fract. [illegible] at [illegible] 50°. Porph text w/ 10–15% [illegible] (1–3mm) & 20% plag laths (1mm) set in ~90% v.f.g. gm. 5% ch amyg (1–3mm) rounded & 1% v.dk gr. chlorite [illegible] frags, these could be clasts or [illegible] or megacrysts? plag laths envelope the clasts. GM comp. of 90% plag, [illegible], traces of qtz, [illegible] py. Alt'n: chl: strong, [illegible]; Ser: repl. of plag, mod.; Cb: amygdules & fills [illegible] repl. of plag phenos; Ep: in gm [illegible] as a mixture of [illegible] repl. plag laths. Fract. [illegible] hematite stained.

139.5–139.1 [illegible] contact w/ porph. dr. – appearance of [illegible] @ 139.1 contact appears [illegible] because of [illegible] ep alt'n in [illegible] porph.

(139.1–157.8) AUGITE PORPHYRY DIORITE : med. gr., H=5, mass. mod. fract. porph. text: ~30% [illegible] [illegible] 40–70% plag-[illegible] 30% [illegible], [illegible] 2–5% qtz, [illegible] 1% dis. py. Alt'n: chl-pervasive, Cb: ~3% [illegible] fill, Sil-patchy & wk to strong [illegible]. Ep-pervasive strong. Ser-pervasive strong.

139.6–139.75 – qtz-cb vn w/ [illegible] filled w/ [illegible] and py [illegible] ep.

146.5–149.3 – Silicification & Carbonitization has overprinted these. Perv. & strong.

1	4	FROM 5–10	TO 11–16	RECOV. 18–20	21–23	ROCK 24–27	43–46	57–58	59–60	61–62	65–66	67–68	71–72
N		13510	13515		F5X	AN/F							
N		13515	13545		F7A	AN/F							
N		13545	13610		F3X	AM/F							
N		13610	13630		CP7	QCVN						U)	
L											O)		
A	1	13610	13630		A5	620							
N		13630	13680		F3X	AN/F							
A	1	13630	13680		A5	82[illegible]							
A	1	13510	13630		A5	819							
P		13680	13910	83	F3	AN/F	020	P4	P1		O.		HM
L				23	R2		XXX	P3		P2			<+
A	1	13680	13910		A5	822							
P		13910	15780			PPDR		P1			D)		
L										P3			
D		13910	13960	80			000		<)				HM
L				20	R3		221	P4					<+
A	1	13910	13940		A5	823							
D		13960	13975	[illegible]7	PY	QCVN						V+	
L				30	R4		010						
A	1	13960	13975		A5	824							
D		13975	14200	62			120		<)				HM
				38	R2		XXX	P4					<+
A	1				A5	825							
D		14300	14650	68			2[illegible]0		<)				HM
L				10	R2		XXX	P4					<)
A	1	14300	14650		A5	826							
D		14650	14930	32			111		P1	P1			
L				46	R2		XXX	P4					
A	1	14650	14930		A5	827							

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(Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	PAGE
10EN680201	U216	DDH-2		BAP	15

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

VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE

GRAPHIC LOG

149 — 149.3 — 150 — 151 — 152 — 153 — LOST — 154 — 155 — LOST — 156 — 157 — 157.8 — 158 — 159 — 160

DESCRIPTIVE REMARKS

(152.5 – 156.0) shear zone, [illegible] @ 60°, [illegible] text is destroyed, 1% [illegible] py, 5-10% cb [illegible] stringers. 50% lost core, [illegible] within the shear recovered [illegible] of the gouge lost.

@ 157.8 sharp contact, 80°, w/ [illegible] tonalite, the tonalite is highly silicified @ the contact.

(157.8 – 160.0) FINE GRAINED TONALITE: very light grey, H=6.5, massive [illegible] equigranular text. 60-70% plag [illegible] 1-5% [illegible] [illegible] F2% dis. py.
159.9 – 160.0 sharp irregular contact w/ [illegible] @ 10°

1	4	FROM (5–10)	TO (11–16)	RECOV. (18–20)	T-MOD (21–23)	ROCK (24–27)	QZ VEINS (43–46)	57–76
Q		14930	15260	91			121	<)
L				49	R2		534	P1
A	2				A5	XZ8	-	
N		15250	15600	49	356	5HER	213	P4 P1 D4 U) L+
I				24	R2		XXX	P+
A	1				A5	829		
D		15600	15780	84				<)
I				20	R2			P4
A	1	15600	15780		A5	A30		
P		15780	16000	46		FG7Ø	00	P1 <) D+
L				20	R3		XXX	
A		15780	16000		A5	831		

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: C/ Cb Si K6 P1 P2 P3 / Ep Se Sp Cp Cl Ma

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(Geolog Form 3)

IDEN	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
IDEN680201	V2/16	DDH-2			MAP										16	

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

GRAPHIC LOG: ROCK TYPE, VEINS, FRACTURES, ALTERATION, MINERALIZATION, METERAGE (160 – 171)

DESCRIPTIVE REMARKS

(160.0 – 161.6) AUGITE PORPHYRY DIORITE (pass ano) med gren, H=6, [illegible] fract, [illegible] as described above [illegible] except Ep [illegible] [illegible]

160.8 – 161.5: [illegible] foliated, 60°, [illegible] se [illegible]

@ 161.5 sheared contact w/ And. Clue

(161.6 – 164.8) AUGITE PORPHYRY ANDESITE: dk grn, H=5, massive, mod fract [illegible] w/ 30% [illegible] 1-3mm [illegible] 50-60% [illegible] 30-40% [illegible] 50-55% plag [illegible] Alt: [illegible] mod spec, Cb – 13 [illegible] ep-[illegible] [illegible] ep-ab [illegible] at plag [illegible] Also ep-ab [illegible] 1% [illegible] along fract. surfaces

The diff between [illegible] the EPOr above [illegible] [illegible] [illegible] cept at plag

At [illegible] and [illegible] [illegible] per piece.

@ 164.8 faulted or sheared contact (40°) w/ mg. dior.

(164.8 – 166.6) MEDIUM GRAINED DIORITE: lt gr-gy, massive, mod fract, H=6, equigranular, [illegible] 60-70% plag, 20% px, 5-10% qtz. Alt: chl – mod spec, sil – v strong spec, [illegible] [illegible] 166.7

(166.6 – 171.1) COARSE GRAINED DIORITE: as described above but coarse grained.

@ 171.1 sharp contact, 40° w/ and. aug. porph

Code	From	To	Recov / RQD	T-Mod / CS	Rock / Sample No.	Qz Veins / Fractures	57–60	61–62	65–68	69–70	71–72
P	16000	16140	83	PG	PPDR	020	PT<)		D*	<•	
L			75	R2		193		P)			
P	16080	16150					P1<)	P2			
L								P4		<+	
P	16150	16160					P4				
L											
A1	16000	16160			A5832						
P	16160	[illegible]	75	P3	PP[illegible]	000	P4<)				ME
L			78	R2		233	P1				<1
A1	16160	[illegible]			A5833						
P	16480	[illegible]	78		MGDR	010	P1<+	P4	D)		HE
L			70	R3		151		P)	U•		<)
A1	16480	16660			A5834						
P	16660	17110	74		CGDR	001	P1<+	P4	D) U•		[illegible]
L			73	R3		283		C)			[illegible]
A1	16660	17110			A5835						

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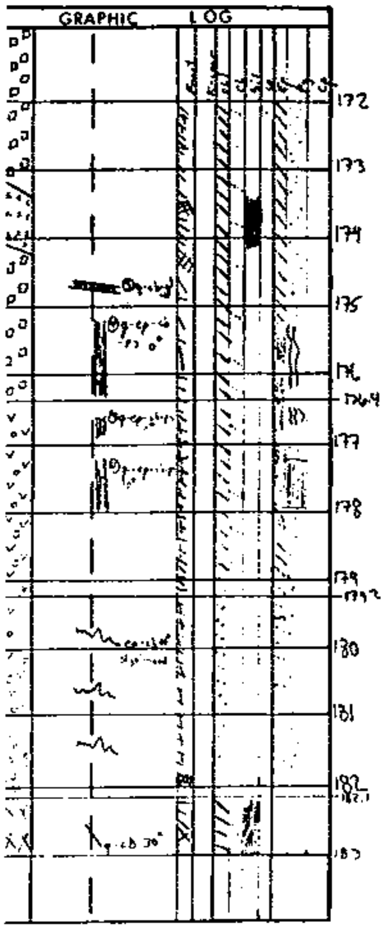
Geolog Form 3)

IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASS'T	DRILLER (S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE	OF
680201	4216	DDH-2			MAP										12	

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

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

GRAPHIC LOG



DESCRIPTIVE REMARKS

(171.1 - 176.4) AUGITE PORPHORY ANDESITE : dk green, H=5
- as described above : 162-165m except for ep-qz alt'n here is
stronger. Also c'line ep, qz alt'n stronger (mod) & chl alt'n is weak
171.1 - 173.3 : up to 8% anastomosing ep veinlets, in places the rock is
brecciated from the veining. This looks like a syngenetic breccia
173.2 - 174.1 : Med. Grained Diorite - silicified, both contacts
sharp @ 40°
174.1 - 174.9 : moderate silicification
175.2 - 176.1 : qtz-ep-cb vein w/ 2-3% py @ 0°

(176.4 - 179.2) ANDESITE FLOW : dk gr, H=5-6, massive, med
grained, porph text (phenos are much smaller than AUG. PORPH) ~15-20%
subhedral plag phenos. Gm. (80%) 50-60% mafics, 40-50% plag
gm in aphanitic. Alt'n : chl-qz mod, ep & cb veinlets. Ep is v.
very parallel to a grid.
177.3 - 177.9 : qtz-ep-cb vein w/ 30% dis py

@179.2 sharp contact ~80°

(179.2 - 182.1) AMYGDALOIDAL FLOW or CRYSTAL TUFF : v. dk gr, massive,
porphyritic, 10-15% Hb blades (2-mm), 20% ep-cb amyg (±1mm) or altered
subrounded plag xtls. H=5. Aphanitic gm. comp. of 60% mafics
& 40% F'dsp. 1% cub. py 1-2mm. Ep-cb veinlets ⊥ to C.A. spaced every
5mm. There appear alt'd / zoned. Alt'n v. diff. to determine - minerals
are ... hard (~4-5) Ep alt'n
... of ... [illegible]

@182.1 sharp contact w/ ... [illegible]

Code (1)	4	FROM (5-10)	TO (11-16)	RECOV / RQD (18-20)	21-23	ROCK / CS (24-27)	QZ VEINS / FRACTURES (43-46)	57-60	61-64	65-68	69-70	71-72	73-74	75-76
/								C1 C6	S, K b	P1 PZ	P3	HE	EI	
L								Ep SE	SP	Cp Li	Ma			
P		171.10	176.40			PPAN		· <)		D)				
D		171.10	173.20	86			001	P4				HE	EI	
L				53	R2		XXK	P2	P2			<)	<2	
A	1	171.10	173.20		A5	836								
N		173.20	174.10	99	X	MG0R	000	P4 <)	P4	D·		HE		
				35	R2		131		P2	·		<)		
A	1	173.20	174.10		A5	837								
D		174.10	174.90	90			010	P1 <1	P2	D·		HE		
				80	R2		121		P2			<1		
D		174.90	176.40	93			201							
				67	R2		131	P4 <1		D·	<·	HE	EI	
A	1	174.10	175.20		A5	838						<)	<1	
A	1	175.20	176.40		A5	839								
P		176.40	179.20	96	PP	AN/F	200	P5 <)		D·	<1	HE	EI	
L				61	R2		332	P1	P)			<)	<2	
A	1	176.40	177.30		A5	840								
A	1	177.30	177.90		A5	841								
A	1	177.90	179.20		A5	842								
P		179.20	182.10	64	AM	AN/F	000	P4 <)		U*			EI	
L				48	R2		351	P·					<2	
A	1	179.20	182.10		A5	843								

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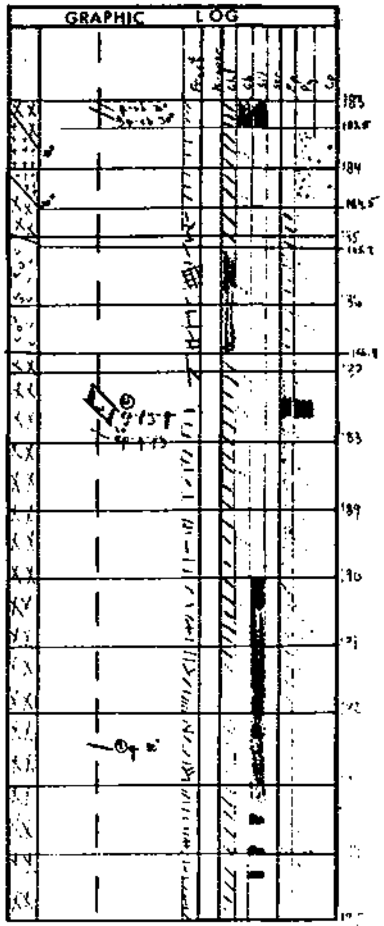
(Geolog Form 3)

IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	BY	PAGE
IDEN6B0201	1716	DDH-12	MAP	18

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

ROCK TYPE — VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

(182.1 - 183.5) C.G. DIORITE : pale gr-gy, H=5, mass, lightly fract, epigreen. >70% plag 1-3mm euh, 30% mafics 1-3mm euh, pinkish <3 qtz. Sil-cb has overprinted these, it's intense & pervasive. ^(Wk) cb must be scratched up to get wk effervescence.
D 183.5 sharp contact w/ Tonalite (10°)

(183.5 - 184.5) F.G. TONALITE : white, H=7, Mass, lightly fract, epigreen. 70-80% plag, 15-20% qtz, 5% mafics, 3-5% py, traces of ep. Alt: mafics and chloritized, traces of silica ep within gm.
D 184.5 sharp contact (10°) w/ C.G. Dr.

(184.5 -) C.G. DIORITE : mod green-white, H=6, mass, mod fract, epigreen. >70% plag 1-5mm laths, 30% mafics 1-5mm with sec. 5-10% qtz 1-2mm sub. Alt: mafics to chl and, plag to ep-sericite and sparse <2 cb veins
185.2 - 186.8 : 3rd. Flow ... 53 ... (ep-rich) and ... Ep-qtz veins every 10cm same as D 179-182m
D 185.2 sharp contact 30°, D 186.8 sharp contact 60° (Frags of prod. in the dyke)
187.3 - 187.5 : a 3cm ep-q vein w/ 40% dis py, 20°

190.0 - 193.4 : strong perv. silicification ep ...
193.4 - 194.9 : sil is patchy - in 10cm lengths
194.9 - no silicification

Code	From (4–10)	To (11–16)	Recov / RQD (18–20)	21–27	43–46	57–64	65–70	71–76
			RECOV	T-MOD / ROCK	QZ VEINS	C L C B G Z K B	P1 P2 P3	H E E I
			RQD	CS	FRACTURES	F P S E S P	C P L Z M A	
P	182.10	183.50	97	SI CGDIR	1 0 0	P1 P2 P3	U·	HE
L			96	R2	2 3 1	P2		<·
A1	182.10	183.50		A5 844				
P	183.50	184.50	98	FGTN	0 6 0	P1	O1	HE
L			95	R3	1 1 3		U·	<·
A1	183.50	184.50		A5 845				
P	184.50			CGDIR				
D	184.50	185.20	99		2 0 0	P2 <1	O· U)	HE
L			85	R3	2 2 1	P2 P2		<)
A1	184.50	185.20		A5 846				
D	185.20	186.80	87	AUN A?/1F	0 0 3	P4 <·	U·	HE EI
L			31	R2	3 4 2	P1		<) <)
A1	185.20	186.80		A5 847				
D	186.80	190.00			0 1 0	P2 <·	D· U· <1	HE EI
L					3 4 2	P2 P2		<) <1
A1	186.80	187.30		A5 848				
A1	187.30	187.50		A5 849				
A1	187.50	190.00		A5 850				
D	190.00	193.40	94		0 1 0	P2 <· P3	D) U+	HE
L			83	R2	4 4 2	P2 P2		<)
A1				A5 851				
D	193.40	195.60	82		0 0 1	P3 <· P2	D) U+	HE EI
L			58	R3	3 4 4	P2 P2		<) <·
A1	193.40	195.60		A5 852				

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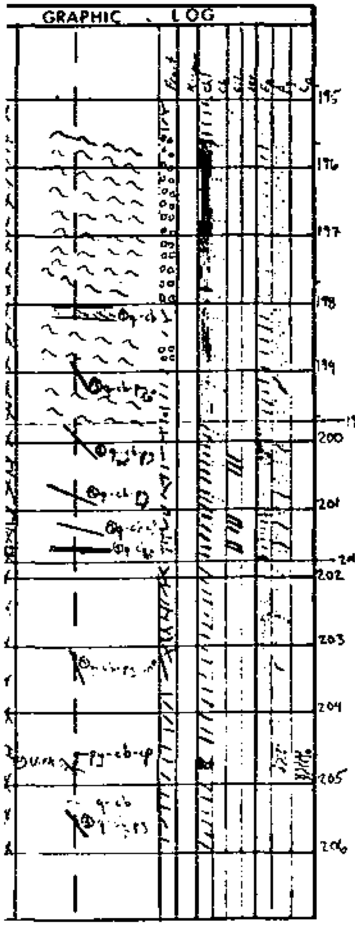
(Geolog Form 3)

1 D E N 6 B 0 2 0 1	UNIQUE ID OF PROJECT: V2/6	DRILL HOLE / TRAVERSE: 0DH-7	SIZE OF CORE	LOGGED	BY: MAP	ASST'D / DRILLER(S) / MONTH / YEAR / TYPE / TIME-HRS / SURVEYED / SYSTEM / GRID AZIMUTH	PAGE: 19
S	DRILL COORD SYSTEM UNITS	M/F: T	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING / EASTING	ELEVATION



DESCRIPTIVE REMARKS

195.6 - 197.7 : shear zone : ca 70% broken up. angle of contacts unknown
197.7 - 198.0 unsheared c.g.d.r.
198.0 - 198.2 q-cb, contacts 80-90°
198.2 - 199.7 cont'd of shear zone, moderately sheared

199.7 - 201.8 : interfingering CGDR & mc PPDR : contacts between the two are sharp & between 50-60°. There are 7 megacrystic zones ranging from 3-20cm thick. The mc PPDR is mod. silicif'd

(201.8 -) COARSE GRAINED DIORITE :
- as previously described
204.0 - 204.5 : a 3cm thick Tonalite vein @ 10°, [illegible] @ 30° [illegible] to the Tonalite but [illegible] be [illegible]
204.5 - 204.6 F.G. TONALITE, upper cont. 70°, lower 50° [illegible] @ 10° [illegible] contact
204.65 - 204.95 : [illegible] zone, 10-30% [illegible] w/ py & cp. [illegible]

1	4	FROM (5–10)	TO (11–16)	RECOV. / RQD (18–20)	21–23	ROCK (24–27)	QZ VEINS / FRACTURES (43–46)	57–58	59–60	61–62	65–66	67–68	69–70	71–72
								CL	CB	SE	PI	P2	P3	HE
L								EP	SF	SP	CP	LI	MP	
N		195.60	197.70	60	579	SHER	1 1 0	P4	<)		D)	U+		
L				00	R1		X X X							
A	1	195.60	198.00		A5	853								
D		197.70	198.00	67			1 0 0	P2	<*		D)			
L				33	R2		X X X	P2		P2				
N		198.00	198.20		8	QCVN	0 0 1							
A	1	198.00	198.20		A5	854								
N		198.20	199.70	70	57	SHER	1 0 0	P4	<)		D*	U*	<•	HE
L				40	RL		X X X							<*
A	1	198.20	199.70		A5	855								
P		199.70	201.80	99	5	CGDR	2 1 1	P2	<*		D)		<)	HE
L				31	R2		4 4 2	P2		P2	<•			<*
N		199.70	201.50		MC	CFPDR		P1		P2				
L										P2				
A	1	199.70	201.80		A5	856								
P		201.80	225.70			CGDR								
D		201.80	204.50	87			1 1 1	P2	<)		D•		<)	HE
L				71	R2		3 3 3	P2		P2	<•			<)
A	1	201.80	204.50		A5	857								
N		204.56	204.65	99		FGTØ	1 0 1	P2			D•			
L				66	R3		1 0 0				<•			
A	1	204.50	204.65		A5	858								
D		204.65	204.95	99			2 3 0	P5			D1		<1	
L				86	R2		0 2 0				<1			
A	1	204.65	204.95		A5	859								
D		204.95	206.00	94			1 0 1	P2			D•			HE
L				85	R2		2 3 2	P2		P2				<*
A	1	204.95	206.00		A5	860								

PLACER DOME INC.

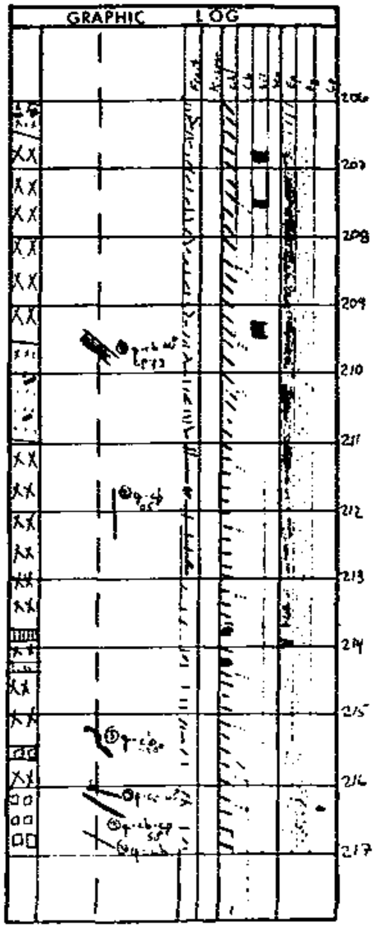
(Geolog Form 3)

IDEN	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
6B0201	V2/6	DDH-2			MAR										26	

S	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



DESCRIPTIVE REMARKS

206.0–206.5 : Diorite Dyke; v.dk.gr. H=6, mass lightly ..., porph text w/ 20-30% alt'd plag laths & 5% subhedral px ... in a f.g. mtx. Mtx comp: 50% ... alt'd ... & 50% p'g. Both contacts sharp @ 60° & display ... no chill margins w/ allignment of hb & laths parallel to contacts.

206.65–209.8 – 3 silicified zones, each 10cm thick, ... very f.g., some mafic phases up to 2mm.
209.7–209.8 – q-cb vein w/ py ~ 1-2% cp.

209.8–211.0 : Diorite Dyke – as described above. @ ... contact fol./lin. defined by allignment of plag laths @ 30°.
@ 209.8 contact 30° – ... chill ... of ... dk.
@ 211.0 contact 20° – " " " " "

213.6–213.8 : Mafic Dyke; black, H=4.5, mass, lightly ..., equigran. 60% mafics ~ 40% plag, 10% ... (vein material)
214.1–214.3 Mafic Dyke – same as above, contact sharp @ 90° w/ chilled margins on CGDR.

215.50–215.7 : CGDR & PPDR w/ MEGACRYSTS, 5 zones of PPDR 5-20cm each. A q.v. cuts the PPDR contains 1% cp (1 grain ~1cm). The py content of the PPDR reaches ~3%.

1	4	FROM (5–10)	TO (11–16)	RECOV / RQD (18–20)	21–23	ROCK (24–27)	QZ VEINS (43–46)	57–58	59–60	61–62	65–66	67–68	69–70	71–72
								CL	CB	SI	P1	P2	P3	HE
				RQD		CS	FRACTURES							
L								EP	SE	SP	CP	LI	MA	
N		20600	20665	99	PPX	MGDR	00A	P1		P1				dE
L				80	R2		217	P1		P1				<+
A	1	20600	20665		A58	61								
D		20665	20980	95			010	P2	L•	P1		U*		HE
L				80	R2		343	P3		P2				<•
A	1	20665	20970		A58	62								
N		20970	20980	X		ACVN						U+		
L											D*			
A	1	20970	20980		A58	63								
N		20980	21100	75	PPX	PGDR	000	P1		P1		U+		HE
L				38	R2			P3		P1				<+
A	1	20980	21100		A58	64								
D		21100	21360	89			110	P2	L)					
L				42	R2		393	P2		P2	D•			HE
A	1	21100	21360		A58	65								<+
N		21360	21380	99		MFVD	020	P4	L1		D•			
L				80	R2		001							
D		21380	21410	99	0		010	P2	L1		D•			HE
				06	R2		010	P3		P2				<+
N		21410	21430	99		MFVD	000	P4	L1					
				99	R2		001							
A	1	21360	21430		A58	66								
D		21430	21550	99			010	P2	L•		D•			HE
L				95	R2		050	P2		P2				<+
N		21550	21700	••	MC5	PPDR	000	P7	L•		D•	U•	L•	HE
L				90	Rb		000	P3		P2	L•			<+
A	1	21430	21700		A58	67								

ACER
OME
C.

(Geolog Form 3)

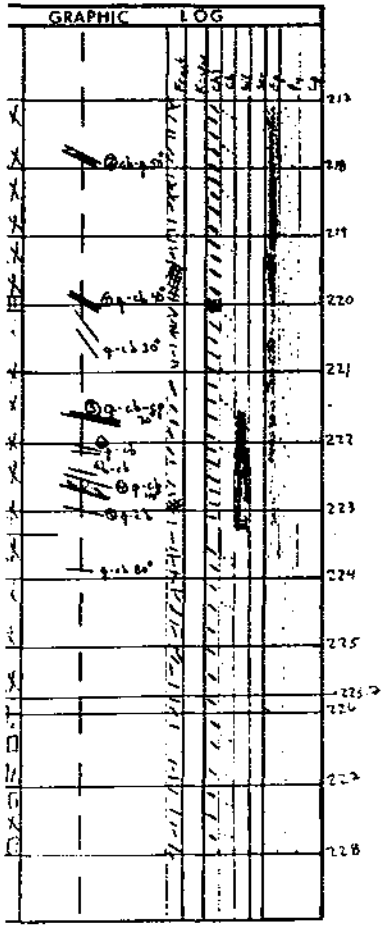
IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASS'T'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE
IDEN680201	42,1	DDH-7			MAP										21

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

	FROM	TO	RECOV	T-MOD	ROCK	QZ VEINS	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	57–76
/							CL CBSI PIP2P3HE
			RQD		CS	FRACTURES	
L							EPSESP LALIMA

VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

217 - 219.8 : Same c.g. diorite w/ strong ep alt'n

219.8 - 220.1 : MAFIC DYKE or xeno. chloritized diorite : black, H=5, epidote 10% x-lins, 40% plag. West side @ 70°, contacts appear gradational

221.5 - 223.3 : Silicified zone - due to qtz veining, trace ep in the qtz veins

223.3 - 225.7 : Very coarse grained, ep & ser alt'n decrease to v. weak
@ 225.7 gradational contact

225.7 - 228.0 : AUGITE PORPHYRY DIORITE w/ MEGACRYSTS med gr, massive, med text. H=5, porph text w/ 20% Aug. phen .5-5.0mm. Same comp. as c.g. dior - alt'n is weak

1	4	FROM (5–10)	TO (11–16)	18–20	21–23	24–27	43–46	57–64	65–70	71–76
D		21700	21980	93			130	P2 <)	D*	
L				61	R2		333	P2 P2		
A	1	21706	21980		A5	868				
N		21780	22010	73		MF/0	110	P5 <1		HE
L				00	R2		XXX			LE
D		22010	22150	98			210	P2 <)	D+	HE
/				85	R2		132	P2 P2		<+
A	1	21980	22150		A5	869				
D		22150	22330	72			241	P2 <) P2	D+ O· <+	HE
L				33	R3		332	P2 P2	U·	<+
A	1	22150	22330		A5	870				
D		22330	22570	76			001	P2 <+	D· U·	HE
L				48	R2		343	P) P)		<)
A	1	22330	22570		A5	871				
P		22570	22800	76	MC	PPDR	100	P2	D·	HE
L				35	R2		142	P1 P1		<+
A	'	22570	22800		A5	872				

*** DRILL HOLE : DDH-02***

Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A5702	25.00	26.00	1.00	0.1	14	10	38	8.0
A5703	26.00	27.10	1.10	0.2	1	5	6	17.0
A5704	27.10	28.04	0.94	0.1	2	10	14	16.0
A5705	28.04	32.00	3.96	0.1	16	10	13	18.0
A5706	32.00	35.75	3.75	0.1	1	5	43	15.0
A5707	36.42	36.48	0.06	0.1	37	20	183	7.0
A5708	36.48	36.77	0.29	0.1	21	10	48	12.0
A5709	36.77	36.86	0.09	0.1	3	20	41	7.0
A5710	36.86	38.00	1.14	0.1	9	10	25	14.0
A5711	38.00	39.00	1.00	0.1	9	5	22	2.5
A5712	39.00	40.00	1.00	0.1	13	10	41	7.0
A5713	40.00	40.68	0.68	0.1	20	30	31	7.0
A5714	40.68	40.80	0.12	0.1	14	20	66	5.0
A5715	40.80	41.73	0.93	0.1	12	30	21	9.0
A5716	41.73	41.85	0.12	0.1	2	30	6	17.0
A5717	41.85	42.85	1.00	0.1	10	10	12	16.0
A5718	42.85	43.78	0.93	0.1	20	160	23	10.0
A5719	43.78	43.88	0.10	0.1	2	170	5	5.0
A5720	43.88	44.84	0.96	0.1	21	110	42	2.5
A5721	44.84	45.00	0.16	0.6	134	230	327	13.0
A5722	45.00	45.73	0.73	0.2	15	40	38	10.0
A5723	45.73	45.83	0.10	0.2	29	10	102	18.0
A5724	45.83	46.32	0.49	0.1	47	10	35	2.5
A5725	46.32	46.40	0.08	0.1	46	30	102	11.0
A5726	46.40	46.73	0.33	0.1	9	5	43	10.0
A5727	46.73	46.78	0.05	0.1	12	5	38	5.0
A5728	46.78	48.00	1.22	0.1	14	5	22	2.5
A5729	48.00	48.88	0.88	0.1	21	10	32	2.5
A5731	48.88	48.95	0.07	0.1	1	5	11	2.5
A5732	48.95	50.00	1.05	0.1	11	40	15	9.0
A5733	50.00	51.00	1.00	0.1	12	10	21	8.0
A5734	51.00	52.00	1.00	0.1	22	10	30	2.5
A5735	52.00	52.60	0.60	0.1	27	10	43	9.0
A5736	52.60	52.80	0.20	0.1	17	5	20	8.0
A5737	52.80	53.30	0.50	0.1	5	10	26	11.0
A5738	53.30	53.35	0.05	0.1	1	5	4	6.0
A5739	53.35	53.43	0.08	0.1	1	10	9	2.5
A5740	53.43	53.87	0.44	0.1	2	5	10	2.5
A5741	53.87	53.93	0.06	0.1	1	10	10	2.5
A5742	53.93	55.00	1.07	0.1	15	5	6	9.0
A5743	55.00	55.60	0.60	0.1	88	5	45	2.5
A5744	55.60	55.78	0.18	0.1	9	40	8	9.0
A5745	55.78	57.00	1.22	0.1	10	20	36	7.0
A5746	57.00	57.50	0.50	0.1	40	30	60	5.0
A5747	57.50	57.60	0.10	0.1	3	5	4	2.5
A5748	57.60	58.40	0.80	0.1	1	10	3	2.5
A5749	58.40	58.54	0.14	0.1	4	5	5	6.0
A5750	58.54	58.92	0.38	0.1	9	20	15	14.0
A5751	58.92	59.50	0.58	0.2	4	20	28	10.0
A5752	59.50	60.00	0.50	0.1	16	10	30	10.0
A5753	60.00	61.00	1.00	0.1	9	10	54	20.0

*** DRILL HOLE : DDH-02***

Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A5754	61.00	62.00	1.00	0.1	26	20	125	8.0
A5755	62.00	63.00	1.00	0.1	3	10	38	2.5
A5756	63.00	64.00	1.00	0.1	1	10	9	5.0
A5757	64.00	64.55	0.55	0.1	1	20	13	2.5
A5758	64.55	64.91	0.36	0.1	2	10	24	6.0
A5759	64.91	65.05	0.14	0.1	1	30	5	2.5
A5760	65.05	65.23	0.18	0.1	1	30	4	2.5
A5761	65.23	66.10	0.87	0.1	1	5	5	2.5
A5762	66.10	66.60	0.50	0.1	1	5	6	142.0
A5763	66.60	66.80	0.20	0.1	1	5	8	2.5
A5764	66.80	66.84	0.04	0.5	10	10	100	2.5
A5765	66.84	67.85	1.01	0.5	6	10	150	7.0
A5766	67.85	68.45	0.60	0.3	8	10	194	8.0
A5767	68.45	68.50	0.05	0.1	5	20	46	12.0
A5768	68.50	68.70	0.20	0.2	13	10	74	14.0
A5769	68.70	69.50	0.80	0.1	1	10	27	6.0
A5770	69.50	70.48	0.98	0.1	3	20	93	2.5
A5771	70.48	70.56	0.08	2.8	11	30	136	2.5
A5772	70.56	70.95	0.39	0.1	1	20	66	2.5
A5773	70.95	71.06	0.11	0.5	28	50	288	7.0
A5774	71.06	72.50	1.44	0.6	34	60	312	7.0
A5775	72.50	73.30	0.80	0.1	75	10	33	11.0
A5776	73.30	74.60	1.30	0.4	53	20	155	8.0
A5777	74.60	75.00	0.40	0.2	48	30	207	11.0
A5778	75.00	75.50	0.50	0.1	23	20	131	8.0
A5779	75.50	76.00	0.50	0.2	11	20	140	7.0
A5780	76.00	76.80	0.80	0.8	1	50	61	12.0
A5781	76.80	77.00	0.20	0.3	6	50	236	2.5
A5782	77.00	78.00	1.00	0.1	13	30	110	9.0
A5783	78.00	78.60	0.60	0.8	25	60	710	
A5784	78.60	79.10	0.50	0.4	15	100	256	
A5785	79.10	79.75	0.65	0.1	13	125	70	
A5786	79.75	80.00	0.25	0.1	11	125	80	
A5787	80.00	82.00	2.00	0.1	8	45	115	
A5788	82.00	84.00	2.00	0.1	16	45	134	
A5789	84.00	84.50	0.50	0.1	9	80	54	
A5790	84.50	88.60	4.10	0.1	5	45	110	
A5791	88.60	89.20	0.60	0.1	4	70	55	
A5792	89.20	93.00	3.80	0.1	9	60	130	
A5793	93.00	96.00	3.00	0.1	1	10	227	
A5794	96.00	98.00	2.00	0.1	2	3	102	
A5795	98.00	100.40	2.40	0.1	1	550	31	
A5796	100.40	101.30	0.90	0.2	1	3	85	
A5797	101.30	103.40	2.10	0.1	1	3	318	
A5798	103.40	103.90	0.50	3.2	1	185	4200	
A5799	103.90	105.90	2.00	0.1	1	35	173	
A5800	105.90	107.90	2.00	0.1	2	3	146	
A5801	107.90	109.70	1.80	0.1	1	20	136	
A5802	109.70	110.40	0.70	0.1	1	100	240	
A5803	110.40	110.70	0.30	0.4	1	365	214	
A5804	110.70	112.00	1.30	0.1	1	45	127	

*** DRILL HOLE : DDH-02***

Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A5805	112.00	113.30	1.30	0.1	2	115	110	
A5806	113.30	117.10	3.80	0.1	1	45	43	
A5807	117.10	118.90	1.80	0.1	1	40	21	
A5808	118.90	120.00	1.10	0.1	1	40	22	
A5809	120.00	122.20	2.20	1.4	1	40	22	
A5810	122.20	123.20	1.00	0.2	1	25	63	
A5811	123.20	124.40	1.20	0.1	3	10	71	
A5812	124.40	126.00	1.60	0.1	1	3	77	
A5813	126.00	128.00	2.00	0.1	2	3	58	
A5814	128.00	129.80	1.80	0.1	1	10	57	
A5815	129.80	133.50	3.70	0.1	1	5	127	
A5816	133.50	134.40	0.90	0.1	1	20	162	
A5817	134.40	135.00	0.60	0.1	1	10	26	
A5818	135.00	135.10	0.10	0.1	1	30	9	
A5819	135.10	136.10	1.00	0.1	1	3	100	
A5820	136.10	136.30	0.20	1.0	1	15	1050	
A582I	136.30	136.80	0.50					
A5822	136.80	139.10	2.30	0.1	1	3	102	
A5823	139.10	139.60	0.50	0.1	1	3	24	
A5824	139.60	139.75	0.15	0.1	1	3	60	
A5825	139.75	143.00	3.25	0.1	1	3	12	
A5826	143.00	146.50	3.50	0.1	1	3	30	
A5827	146.50	149.30	2.80	0.1	1	3	19	
A5828	149.30	152.60	3.30	0.1	1	3	9	
A5829	152.60	156.00	3.40	0.1	1	3	28	
A5830	156.00	157.80	1.80	0.1	1	3	93	
A5831	157.80	160.00	2.20	0.1	1	3	30	
A5832	160.00	161.60	1.60	0.1	1	50	48	
A5833	161.60	164.80	3.20	0.1	1	5	137	
A5834	164.80	166.60	1.80	0.1	3	3	490	
A5835	166.60	171.10	4.50	0.1	1	3	45	
A5836	171.10	173.20	2.10	0.1	4	3	80	
A5837	173.20	174.10	0.90	0.1	1	3	10	
A5838	174.10	175.20	1.10	0.1	1	5	31	
A5839	175.20	176.40	1.20	0.1	1	20	53	
A5840	176.40	177.30	0.90	0.1	1	25	82	
A5841	177.30	177.90	0.60	0.1	1	10	336	
A5842	177.90	179.20	1.30	0.1	1	3	42	
A5843	179.20	182.10	2.90	0.1	1	3	104	
A5844	182.10	183.50	1.40	0.1	1	15	17	
A5845	183.50	184.50	1.00	0.1	1	3	100	
A5846	184.50	185.20	0.70	0.1	1	15	170	
A5847	185.20	186.80	1.60	0.1	1	15	146	
A5848	186.80	187.30	0.50	0.1	1	15	800	
A5849	187.30	187.50	0.20	2.4	27	100	3300	
A5850	187.50	190.00	2.50	0.1	1	40	218	
A5851	190.00	193.40	3.40	0.1	1	3	21	
A5852	193.40	195.60	2.20	0.1	1	3	106	
A5853	195.60	198.00	2.40	0.1	1	65	115	
A5854	198.00	198.20	0.20	0.1	4	10	28	
A5855	198.20	199.70	1.50	0.1	22	50	78	

*** DRILL HOLE : DDH-02***

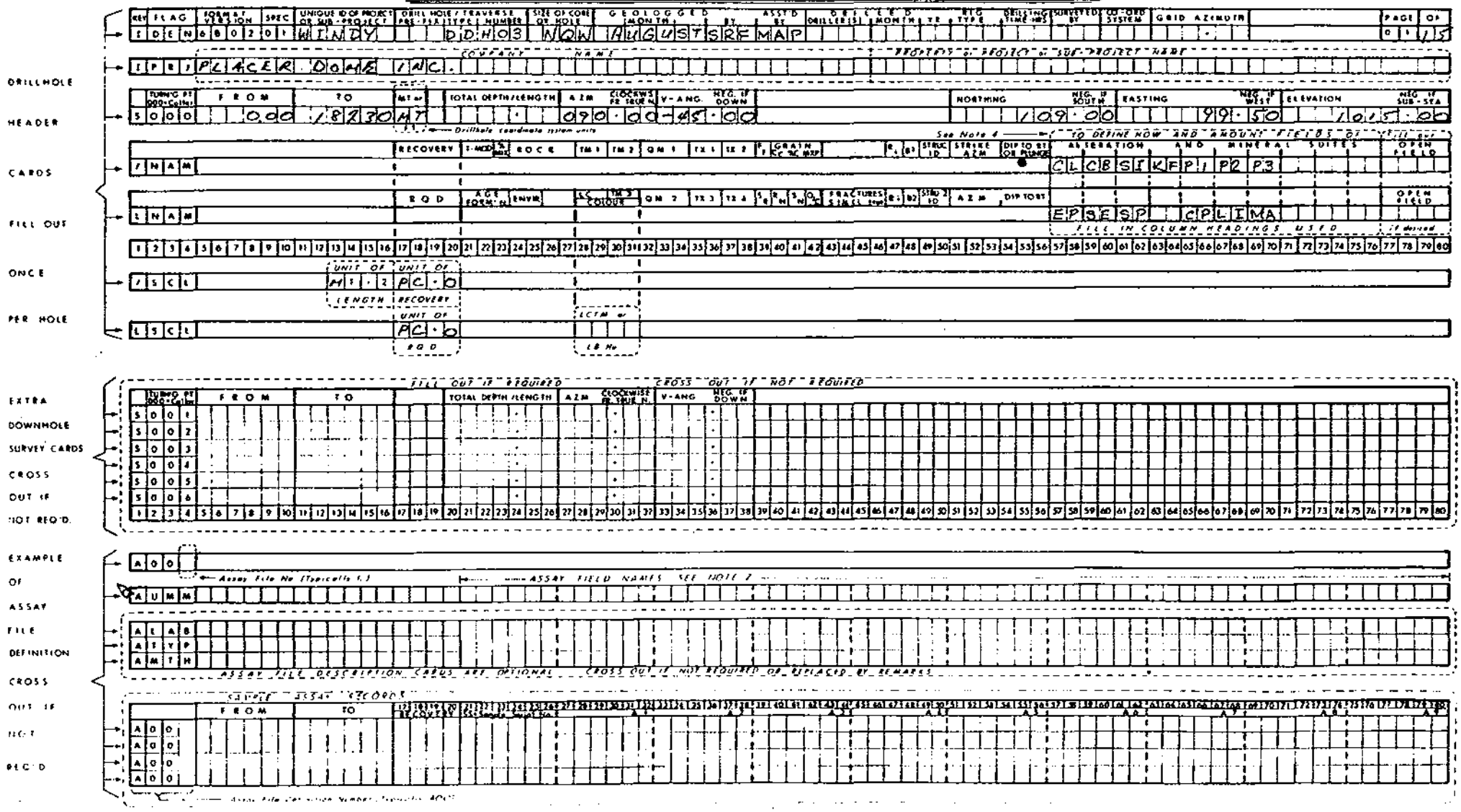
Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A5856	199.70	201.80	2.10	0.1	1	60	90	
A5857	201.80	204.50	2.70	0.1	1	50	125	
A5858	204.50	204.65	0.15	0.1	1	60	142	
A5859	204.65	204.95	0.30	7.0	19	250	9400	
A5860	204.95	206.00	1.05	0.1	1	85	98	
A5861	206.00	206.65	0.65	0.1	1	10	170	
A5862	206.65	209.70	3.05	0.1	1	20	94	
A5863	209.70	209.80	0.10	0.6	1	175	1520	
A5864	209.80	211.00	1.20	0.1	4	15	174	
A5865	211.00	213.60	2.60	0.1	1	3	30	
A5866	213.60	214.30	0.70	0.1	1	3	26	
A5867	214.30	217.00	2.70	0.2	1	200	128	
A5868	217.00	219.80	2.80	0.3	1	90	132	
A5869	219.80	221.50	1.70	0.1	1	180	90	
A5870	221.50	223.30	1.80	0.1	1	415	146	
A5871	223.30	225.70	2.40	0.1	1	100	182	
A5872	225.70	228.00	2.30	0.2	1	15	176	

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A5658	21.33	23.77	2.44	0.3	10	90
A5659	23.77	26.82	3.05	0.1	10	61
A5660	26.82	29.87	3.05	0.3	15	51
A5661	29.87	32.92	3.05	0.1	25	75
A5663	35.97	39.01	3.04	0.4	10	68
A5664	39.01	42.06	3.05	0.1	10	105
A5665	42.06	45.11	3.05	0.2	25	84
A5666	45.11	48.16	3.05	0.1	20	61
A5667	48.16	52.21	4.05	0.1	5	56
A5668	52.21	54.25	2.04	0.1	3	86
A5669	54.25	57.30	3.05	0.1	3	47
A5670	57.30	60.35	3.05	0.3	25	38
A5671	60.35	63.40	3.05	0.2	3	76
A5672	63.40	66.45	3.05	0.1	3	43
A5673	66.45	69.49	3.04	0.4	3	147
A5674	69.49	72.54	3.05	0.1	3	123
A5675	72.54	75.59	3.05	0.3	10	150
A5676	75.59	78.64	3.05	0.4	10	253
A5677	78.64	81.69	3.05	0.4	3	201
A5678	81.69	84.73	3.04	0.4	10	241
A5679	84.73	87.78	3.05	0.2	25	141
A5680	87.78	90.83	3.05	0.3	20	188
A5681	90.83	93.88	3.05	0.3	20	252
A5682	93.88	96.93	3.05	0.4	45	202
A5683	96.93	99.97	3.04	0.2	385	120
A5684	99.97	103.02	3.05	0.4	45	178
A5685	103.02	106.07	3.05	0.7	435	890
A5686	106.07	109.12	3.05	0.2	10	240
A5687	109.12	112.17	3.05	0.1	170	172
A5688	112.17	115.21	3.04	0.1	5	100

*** DRILL HOLE : DDH-02***

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A5689	115.21	118.26	3.05	0.2	20	108
A5690	118.26	121.31	3.05	0.2	20	125
A5691	121.31	124.36	3.05	0.1	3	110
A5692	124.36	127.41	3.05	0.1	10	117
A5694	130.45	133.50	3.05	0.1	3	130
A5695	133.50	136.55	3.05	0.1	25	102
A5696	136.55	139.60	3.05	0.1	100	148
A5697	139.60	142.65	3.05	0.1	90	167
A5698	142.65	145.69	3.04	0.1	75	134
A5700	148.74	151.79	3.05	0.1	110	97
A6476	151.79	154.84	3.05	0.1	40	64
A6477	154.84	157.89	3.05	0.1	3	104
A6478	157.89	160.93	3.04	0.1	3	221
A6479	160.93	163.98	3.05	0.1	3	196
A6480	163.98	167.03	3.05	0.2	3	358
A6481	167.03	170.08	3.05	0.1	3	113
A6482	170.08	173.13	3.05	0.3	3	102
A6483	173.13	176.17	3.04	0.2	3	121
A6484	176.17	179.22	3.05	0.1	3	115
A6485	179.22	182.27	3.05	0.3	3	146
A6486	182.27	185.32	3.05	0.3	3	118
A6487	185.32	188.37	3.05	0.4	3	580
A6488	188.37	191.41	3.04	0.1	20	157
A6489	191.41	194.46	3.05	0.3	25	75
A6490	194.46	197.51	3.05	0.2	15	122
A6491	197.51	200.56	3.05	0.4	45	164
A6492	200.56	203.61	3.05	0.3	35	151
A6493	203.61	206.65	3.04	0.7	45	580
A6494	206.65	209.70	3.05	0.3	40	187
A6495	209.70	212.75	3.05	0.3	30	245
A6496	212.75	215.80	3.05	0.4	3	207
A6497	215.80	218.85	3.05	0.5	110	215
A6498	218.85	221.89	3.04	0.4	250	142
A6499	221.89	224.94	3.05	0.4	360	215
A6500	224.94	227.99	3.05	0.5	400	315

PLACER DOME INC. GEOLOG DRILLHOLE HEADER FORM



Notes

PLACER DOME INC.

(Geolog Form 3)

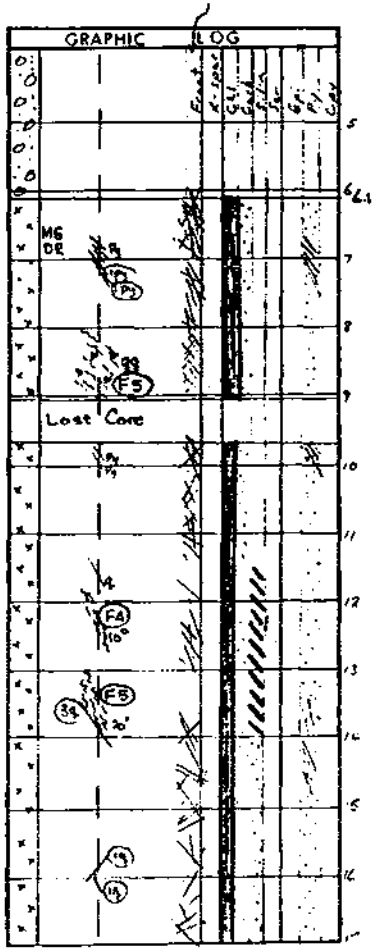
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED BY	ASSAYED	SURVEYED (S)	MONTH	YEAR	TYPE	SURVEYED	SYSTEM	GRID AZIMUTH
1 D E N 6 8 0 2 0 1 WINDY	D D H 0 3		S R F								

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

PAGE 02 / 15

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

GRAPHIC LOG



FROM	TO	RECOV	RQD	T-MOD	% MIN	ROCK	CS	OR VEINS S IN L IN	FRACTURES S IN L IN

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS

C L C B S I K F P 1 P 2 P 3

E P S E S P C P L I MA

RECOV SS Sample Serial No

DESCRIPTIVE	REMARKS
(6.1-17.7) MEDIUM GRAINED DIORITE - Rusty oxid coating on fract pl. and perv. through ex. particularly from (6.1-13.7)	
(6.1-17.7) Pale rusty med gy with short segments of fresher light-med gy H=4, fine-med equigr, blocky fractured, weak-mod fol @ 20-30°, note that frac @ 0°-30° premin, 1-5% qz, 20% PF, 5-10% matic, 1-2% py Minor stockwork of thin py veinlets with qser env.	
(11.6-14) Weak to mod silic - intensely sericitized section	

	FROM	TO	RECOV	RQD	T-MOD	% MIN	ROCK	CS	OR VEINS S IN L IN	FRACTURES S IN L IN	SS Sample Serial No
P	0.0	6.1					Ø V 8 D				
P	6.1	17.7	7.4	F4			M G D R				
L										E 1 P 3 P 2	
N	6.1	8.1				X	F G D R		3 2 0	D 1 < 1	
L			2.2	R 2					4 2 3		
N	8.1	9.0				X	F A L T		0 0 0		
L			0.0	R 1					X X X		
D	9.0	11.6				F 4 X	M G D R		1 0 0	D 1 < 1	
L			1.4	R 2					5 3 5		
A 1	6.1	7.5					A 2 4 0				
A 1	7.5	9.3					A 2 4 1				
A 1	9.3	11.6					A 2 4 2				
D	11.6	14.0			S I	X	M G D R		1 0 0	P 2 D 1 < M	
L			0.6	R 2					7 7 5	P 6	
A 1	11.6	12.8					A 2 4 3				
A 1	12.8	14.0					A 2 4 4				
D	14.0	17.7				X	M G D R		2 0 0	D 1 < 1	Q Z
L			2.7	R 2					5 5 5		< 1
A 1	14.0	16.0					A 2 4 5				
A 1	16.0	17.7					A 2 4 6				
P	17.7	25.2					F G 0 R				

ACER
ME
C.

(Geolog Form 3)

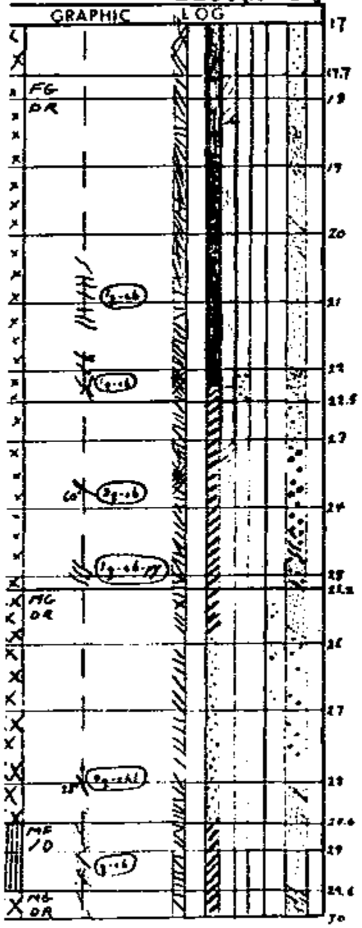
I	D	E	N	6	8	0	2	0	1	W	I	N	D	Y				D	D	H	0	3						PAGE	8/15

UNIQUE ID OF PROJECT | DRILL HOLE / TRAVERSE | SIZE OF CORE | LOGGED | BY | ASST | DRILLER(S) | MONTH | YEAR | TYPE | SURVEY SYSTEM | GRID | AZIMUTH

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

FILL IN COLUMN HEADINGS FOR NA/XX TYPE HEADINGS: CL CB SI KF P1 P2 P3 / EP SE SP CP LI MA

VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE



DESCRIPTIVE REMARKS	Code	FROM	TO	RECOV / RQD	SAMPLE / T-MOD	ROCK	VEINS / FRACTURES (43–46)	57–64	65–70
(17.7-22.5) FINE GRAINED DIORITE - light gray,	D	1770	2250	92		FGDR		P2 P3	
H=3, fine gr., equigranular, blocky fracturing,	L			23	R2		353	P4	T.
massive. Fracturing still prevail @ 0-30°.	D	1770	1860	25			000		D) <.
80% FP, 15-20% mafic, 1% diss py, 1% py as	L								
frac fill. Tr limonite staining along fract.	D	1860	2000	07			000		D) <)
	L								
(18.6-20.0) 1-1.5% fracture fill py.	D	2000	2220	30			017		D) <.
	L								
	A1	1770	1860		A247				
	A1	1860	2000		A248				
	A1	2000	2220		A249				
	D	2220	2250				030	Q1	D+ <)
	L								
(22.2-22.5) bxd zone in 10% qtz-carb	A1	2220	2250		A250				
veinlets + alt'n, 2-3% diss py, 1% py									
as fract. fill - possible K-spar alt'n									
(22.5-25.2) FINE GRAINED DIORITE - Light greenish-	D	2250	2520	89		FGDR		P1 P2	
green. H=3.5 fine stubbed plag (10%) + mafic (10%)	L			33	R3		355	P3	
within a fine grained matrix. Blocky	D	2250	2370				000		D) U)
80-85% FP, 15-20% mafic, 1-2% py as carb	D	2370	2480				010		D* U)
vtls + along fract. Mod. chl + ser alt'n	D	2480	2520				030		D* U) <=
(24.80-25.20) highly silic. zone - 5% qtz-carb-	A1	2250	2370		A251				
chl veins in avg width 0.5 cm, @ 45°,	A1	2370	2480		A252				
~4% py assoc. with fract. or carb vtls	A1	2480	2520		A253				
and as bands; 0.5% diss py, 1% carb									
vtls th/o hr. — @ 45°									
(25.2-28.6) MEDIUM GRAINED DIORITE	P	2520	2860	94		MGDR	010	P1 P0	
Med. gray, H=4, med. grained, equigr.,	L			71	R4		442	Q. P2	
blocky, massive. 75-80% FP, 20-25%	D	2520	2590						D)
mafics, 0.5% diss py, 0.5% carb py	A1	2520	2590		A254				
(27.9-28.6) ONE 3 cm qtz vein, 25°;	D	2590	2860						D* U) <*
tension, 10-15% chl/c ... ; ONE 1 cm	A1	2790	2860		A255				
py band, 45°, 10% qtz-carb filling;									
hr. in 5% qtz-carb stringers.									
(@ 28.6) sharp cont @ 35°, dyke in chill margin									
- diss py concen. in contact zone!									

PLACER DOME INC.

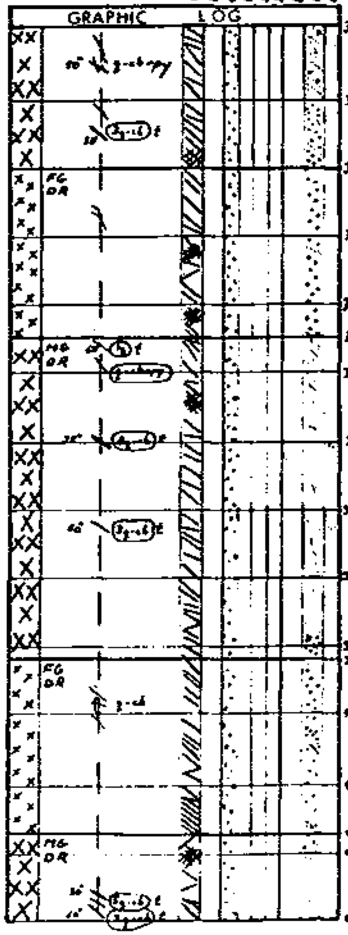
Geolog Form 3)

IDEN680201 W/WOY — DRILL HOLE/TRAVERSE: 00H03 — BY: SRF — PAGE 4/15

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

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

GRAPHIC LOG



DESCRIPTIVE REMARKS

(28.6 - 29.6) MAFIC DYKE - Med. green, H=3, fine grained, porphyritic ū chlorite mafic xtls (avg. 2-3mm). Pleace [?] alteration envelopes (carbonatization?). Unit has num. qtz-carb filled fractures. Wk chl+ser alteration 50-60% mafics (appearance) + 40-50% FP, 2-4% qtz-carb, 0.5% diss py, 0.5% py as small on xtls & frac. fill

(@ 29.6) sharp cnt @ 50° - qtz carb + py filled

(29.6 - 32.0) MEDIUM GRAINED DIORITE - as prev. des. unit from 25.2 - 28.6 0.5-1.0% an py, 0.5% fr. fill, tr diss 0.5-1.0% qtz-carb vlts, wk chl-ser alt'n (30.3 - 30.9) two 15mm, 10mm qtz, carb, py vlts @ 50° 2-3% py as sub xtls & ff.

(@ 32.0) contact ūn broken core

(32.0 - 34.4) FINE GRAINED DIORITE - as prev. des. unit from 22.5 - 25.2 med. grey in colour wk chl+ser alt'n Rare qtz-carb stgr 0.5% an py

(@ 34.4) gradational cnt

(34.4 - 39.2) MEDIUM GRAINED DIORITE - as prev. des. unit from 25.2 - 28.6 wk chl+ser alt'n 0.5% py diss, 0.25% py as ff & bands, tr cpy. One qtz-carb vlt. (34.4 - 34.9) 1% an py, 1% py as ff, 1% qtz-carb vlts (35.8 - 36.2) 5cm qtz-carb vn, ten, 35° ū 1% diss py, 0.2% ūn ff, tr cpy (37.0 - 37.5) 3cm qtz-carb vn, ten, 40°, 0.5% py as blebs, tr cpy (38.7 - 39.2) 2-3% an py at bands, 1% diss py

(@ 39.2) sharp cnt @ 15°, py-rich

Code	From	To	Recov / RQD	T-Mod / CS	Rock	Qz veins / Fractures	57-58	59-60	61-62	65-66	67-68	69-70
P	2860	2960	95		MF/D	020	P4			D)	U·	<·
L			55	R3		311			P2			
A1	2860	2960			A256							
P	2960	3200	98		MGDR	120	P1	PO				
L			88	R4		232			P2			
D	2960	3030								D·	U)	<*
O	3030	3090									U+	<)
A1	3030	3090			A257							
D	3090	3200								D·	U)	<*
P	3200	3440	100		FGDR	242	P1				U*	
L			56	R4		000			P2			
P	3440	3920	94		MGDR	020	P1					
L			75	R4		353			P2	D·		
D	3440	3490								D·	U)	<1
A1	3440	3490			A258							
O	3490	3870								D*		<*
A1	3580	3620			A259							
A1	3700	3750			A260							
D	3870	3920								D)	U+	
A1	3870	3920			A261							

Fill in column headings: CL CB SZ KF P1 P2 P3 / EP SE SP CP LI MA

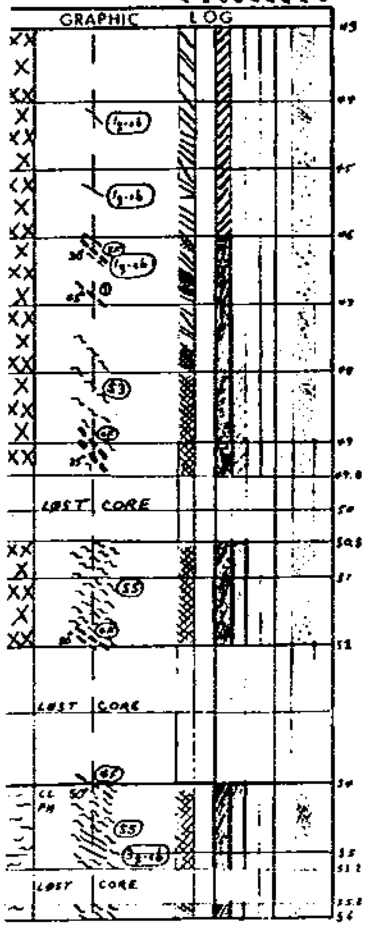
PLACER DOME INC.

(Geolog Form 3)

IDEN	Unique ID of Project	Drill Hole / Traverse	Logged By	Page
IDEN6B0201	W/NDV	DDH03	SRF	5/5

Card (1)	4	From (7-10)	To (13-16)	Recov / RQD (18-20)	21-22	Rock (23-27)	Qz Veins / Fractures (43-46)	57-60	61-64	65-70
P		3920	4170	100		FGDR	030	P1		U)<*
L				80	R4		250		P2	
A	1	3920	4170			A276				
P		4170	5300			MGDR				
L										
D		4170	4600	93			042	P2		D)U·<·
L				67	R4		263		P3	
A	1	4170	4250			A277				
A	1	4250	4310			A262				
A	1	4310	4400			A278				
A	1	4400	4600			A279				
N		4600	4950	83		XFALT	010	P5P1		D)U·<·
L				14	R2		XXX		P4	
A	1	4600	4700			A263				
A	1	4700	4800			A264				
A	1	4800	4950			A265				
N		4950	5050	00		XLØST				
N		5050	5200	87		XFALT	000	P5P1		D)U·<·
L				00	R2		XXX		P4	
A	1	5050	5200			A266				
P		5200	5400			XLØST				
P		5400	5800			CHSH				
N		5400	5520			FALT	010	P6<=	<2	<=
L							XXX		P1	
A	1	5400	5520			A267				
N		5520	5580			XLØST				
N		5580	5800			FALT	000	P7K=	K1	D)
L							XXX		P1	
A	1	5580	5700			A268				
A	1	5700	5800			A269				

GRAPHIC LOG



DESCRIPTIVE REMARKS

(39.2-41.7) FINE GRAINED DIORITE - as prev. desc. unit from 22.5-25.2 Cruckle texture. 0.5% cu py, <0.5 py on f.f., 1% qtz-carb stgs.

(@ 41.7) grad. cont

(41.7-53.0) MEDIUM GRAINED DIORITE - as prev. desc. unit from 25.2-28.6. Wk to strong chl, ser + carb alt'n. 1-1.5% diss py, 0.25% cu py + on f.f. Fault beginning @ 46.0. Ors. qtz-carb stgs + veins, areas of pasty gouge. (42.5-43.1) Two 3cm, 2cm qtz-carb vns. @ 50° + 60°, tan veining.

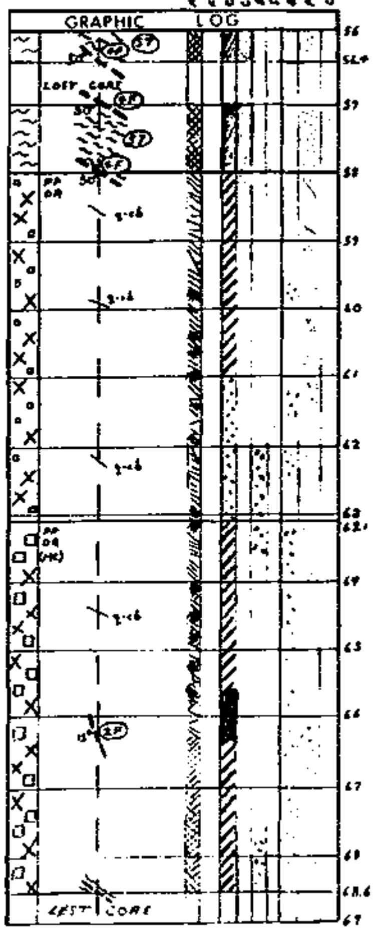
(52.0-54.0) LOST CORE

(54.0-58.0) CHLORITE SCHIST - dark green, H=7.5, schistose, 50° to C.A. 65-70% chl, 10-15% ser, 10-15% qtz-carb. 1% diss py. Areas of pasty fault gouge, ext. ground core. (54.0-55.2) 20% knotted qtz-carb - possibly bed vein w. 3.5% diss py filling.

PLACER DOME INC.

(Geolog Form 3)

IDEN	Unique ID of Project	Drill Hole / Traverse	Size of Core	Logged By	Page
680201	W/NOV	DDH03		SRF	6/15



Column headings: 1 = C L C B S I K F P I P 2 P 3; L = E P S E S P C P L I M A

DESCRIPTIVE REMARKS

(58.0–63.1) PORPHYRITIC DIORITE – Med. grey, glassy appearance, H:4, 70% fld laths (eu-sub xtls) + 15% mafic xtls (avg size 2mm – up to 5mm) within a fg. matrix best seen at 137m in DDH-3. Mod. chl + ser altn, patchy silica. Crackle texture + numerous qtz-carb hairline stgs (due to prox. to fault) 0.5% py as f.f., 0.5% diss py

(63.1–92.0) PORPHYRITIC DIORITE WITH MEGACRYSTS – Med green with light green epidote colouration, H:4–6, massive, 30% megacrystic mafics (augite + replaced augite) eu-subhedral, up to 2mm size. Feldspar plag matrix, 70%, with rarely observable feldspar laths + xtls. Mod. chl + ser, mod-strong silica, no qtz-carb vns + vnlts but carbonate occurs within the numerous fractures of the unit. Py occurs as dissns (0.5%), and along fractures (0.25–0.5%). Py % increases with silica to 1–2% and occurs as blebs along fractures along with fg diss py

Remarks line	FROM	TO	RECOV. / RQD	T-MOD	ROCK	QZ VEINS / FRACTURES	Fill-in columns
P	5800	6310			PPDR		P2Q- Q) D* <*
L							QX P3
D	5800	6000	85			012	
L			35	R2		233	
A1	5800	6000			A270		
D	6000	6310	93			012	
L			30	R3		355	
A1	6000	6170			A271		
P	6310	9200		MC	PPDR		P2Q·
L							P· P3
D	6310	6860	07			020	D* <*
L			80	R2		XXX	
A1	6310	6500			A272		
A1	6500	6600			A273		
A1	6600	6700			A274		
A1	6700	6800			A275		
A1	6800	7050			A280		
N	6860	7000			L057		

PLACER DOME INC.

(Geolog Form 3)

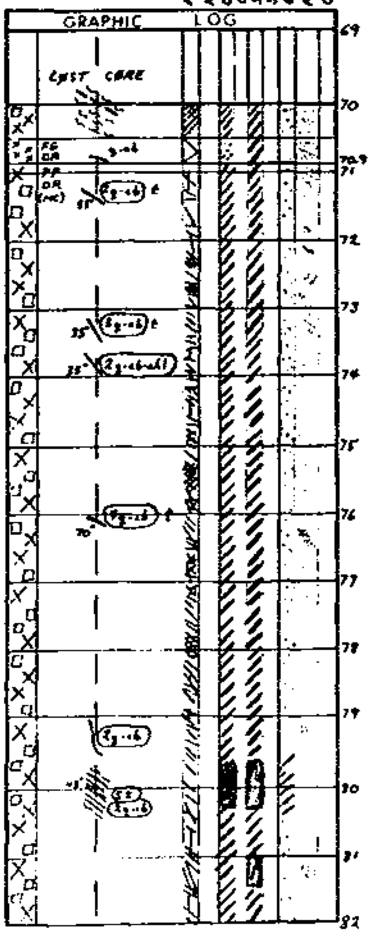
ID	Unique ID of Project	Drill Hole / Traverse	By	Page
IDEN680201	WWDY	DDH03	SRF	7/5

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

S

ROCK TYPE · VEINS · FR FRACTURES · CL CB SI SE EP ALTERATION · PY CP MINERALIZATION · METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

(@ 70.50) sharp cut @ 30°

(70.50 - 70.90). FINE GRAINED DIORITE - lineation of mafic xtls along cut. End of the FGDR intruding the PPDR (mc)

(79.7 - 80.3) Shear Zone @ 45°, 35-40% qtz-carb v.m. strong chl + ser alt'n, 0.2% diss py, 0.2-0.5% py along shear planes.

1	FROM (5-10)	TO (11-16)	RECOV / RQD (18-20)	21-23	ROCK / Sample Serial No (24-27)	QZ VEINS / FRACTURES (43-46)	65-68	69-72
I						CLCBSI	KFP1P2P3	
L						EPSESP	CPLIMA	
D	7000	7050	98			001	D*	<*
L			00	R1		XXX		
W	7050	7090	80		XFGDR	001	D*	<>
L			60	R4		021		
A1	7050	7090			A281			
D	7090	7300	97			020	D*	<*
L			48	R4		345		
A1	7090	7200			A282			
A1	7200	7300			A283			
D	7300	7600	93			010	D*	<*
L			37	R4		356		
D	7600	7970	86			123	D*	<*
L			43	R4		376		
A1	7600	7660			A284			
W	7970	8030	97		XSHER	040	D·	<*
L			67	R3		030		
A1	7970	8030			A285			
D	8030	8500	96			122	D*	<*
L			38	R4		457		

PLACER DOME INC.

(Geolog Form 3)

IDEN	Unique ID of Project	Drill Hole / Traverse	By	Page
IDEN680201	WINDY	DDH03	SRF	8/15

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

S — T

GRAPHIC LOG: ROCK TYPE — VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE (92, 93, 94, 95, 85, 85.4, 86, 87, 88, 89, 90, 91, 92, 93, 93.1, 93.6, 94, 95)

LOST CORE

Code	From	To	Recov / RQD	T-Mod	Rock / CS	Qz Veins / Fractures (43–46)	57–58 (CL / EP)	61–62 (SI / SE)	65–66 (P1 / CP)	69–70 (P3 / MA)
1							CL CB	SI KF	P1 P2	P3
L							EP SE	SP	CP LI	MA
A1	84 00	85 00			A286					
W	85 00	85 40	100		XFGDR	010	P2	P1	D*	
L			38	R4		120	P1	P2		
A1	85 00	85 40			A287					
D	85 40	87 90	72			020			D*	<)
L			28	R4		355			<.	
A1	85 40	86 00			A288					
A1	86 00	87 90			A289					
D	87 90	92 00	97			353			D+	<)
L			46	R5		185			<.	
A1	87 90	89 00			A290					
A1	89 00	90 00			A291					
A1	90 00	91 00			A292					
A1	91 00	92 00			A293					
P	92 00	93 10	100		FGDR	220	P1	P1	D*	
L			82	R5		224	P1	P2		
A1	92 00	93 10			A294					
P	93 10	93 60			LOST					
P	93 60	97 70		MC	PPDR		P2		D*	<>
L							P*			
D	93 60	95 50	95			232		P*		
L			53	R2		144		P*		
A1	93 60	95 50			A295					

DESCRIPTIVE REMARKS

(87.9-92.0) Zone of strong silic., some hairline fractures ē qtz-carb, 2-3% diss py + 1% py along fract. ē tr cpy

(@ 92.0) qtz-carb v.m. at contact, sh, 55°

(92.0-93.1) FINE GRAINED DIORITE - as prev. desc. unit from 22.5-25.2 m, light epi-green ... calcite

(93.1-93.6) LOST CORE

(93.6-97.7) PORPHYRITIC DIORITE WITH MEGACRYSTS - as prev. desc. unit from 63.1 to 92.0 but ... don't reach extreme ... mod. ... alt'n, ... zones of ... with strong ... 0.5% ... 0.5-1.0% ... py ... qtz-carb ... as f.f.

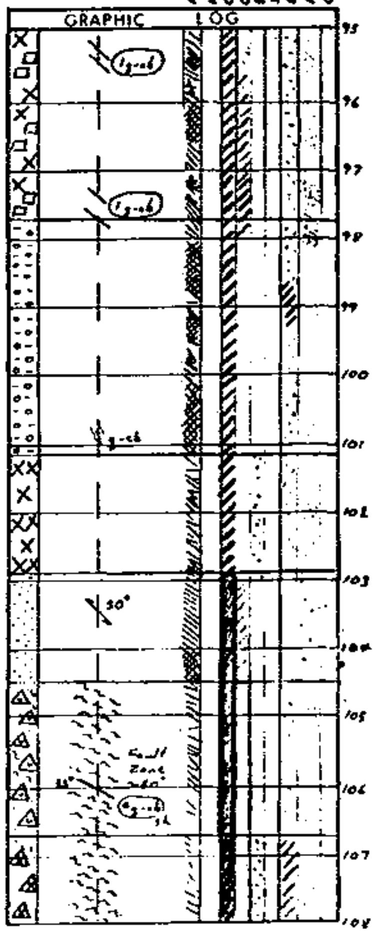
PLACER DOME INC.

(Geolog Form 3)

Unique ID of project	Drill hole / traverse	Logged by	Page
1 DEN680201 W/WDY	00403	SRF	19/15

Columns: ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

(@ 95.5) sharp cut of silic, sericite zone @ 40°

(95.5-97.7) increased silic + sericite, wk to mod shear zone @ 80°

(@ 97.7) sheared cut @ 45° with 35-50% qtz-carb vns.

(97.7-101.1) CRYSTAL TUFF - dark grey to black, plag xtls with light grey green colour, [illegible] 3, massive & wkly chl'd at contact, 50% euhedral feld xtls, 10% sub mafic xtls with a black aphanitic matrix. Unit may rep. a dyke since not as badly alt'd as the bounding porph dio. Same unit as seen in DDH2 @ 139m. Unit has mod. chl, ser + epi alt'n, rare qtz-carb stngs + ff, 0.25-0.5% diss py, Tr py on ff.

(97.7-98.0) wkly shrd cut @ 50°, 1% py as cu xtls + ff.

(@ 101.1) shrd cnt @ 50°, strong epi alt'n

(101.1-102.9) MEDIUM GRAINED DIORITE - as prev. desc. unit from 25.2 to 28.6m. Mod chl & ser alt'n, wk epi alt'n & sil'n. Tr diss py & 0.2-0.5% py on ff. Wkly fol'd @ 45°

(102.9-104.5) ASH TUFF - black, strongly fol'd, N=25, 15% relict & tiny flattened sub fld xtls within a fg black groundmass. Occ. fine mafic xtls also present. Foln @ 55°. Rare qtz-carb stngs, tr cu py. Strong chl + ser alt'n, mod. carb alt'n.

(@ 104.5) broken core @ cnt.

(105.5-108.5) FAULT ZONE - Extremely broken h. [illegible] with [illegible] fault

Card	From	To	Recov / RQD	T-Mod / CS	Rock	Qz veins	57-60	61-64	65-68	69-72
D	9550	9770	91			230		P1		
L			18	R2		374		P6		
A1	9550	9770			A296					
F	9770	10110	76		ANXT	020	P2		D* U·	<·
L			12	R2		XXX	P2	P3		
A1	9770	9800			A297					
P	10110	10290	83	F3	MGDR		P2	P*	O·	<*
L			56	R3			P2	P2		
P	10290	10450	75	F7	ANAT	000	P7 P=		U·	
L			00	R2		XXX		P3		
J1	10290	10450			A298					

Column headings for NA/XX type headings: CLCBSIKFP1P2P3 / EPSESP CPLIMA

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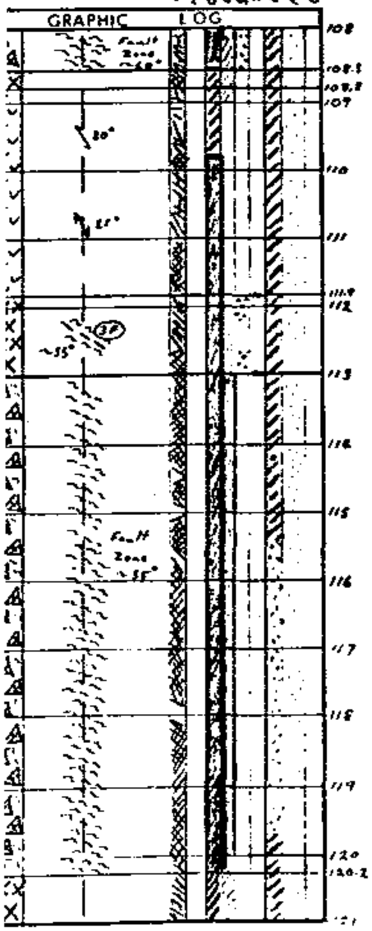
(Geolog Form 3)

IDEN	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
IDEN680201	WINDY	DDH03			SRF										10 / 15

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

GRAPHIC LOG — VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE



DESCRIPTIVE REMARKS

gouge material. Extremely alt'd, bx. but appears to have tuff, flow + mg. dio frags. Possibly cut of flow + tuff, intruded by dio then later zone of weakness for faulting. Tr diss py. (104.5-106.7) and. flow and/or tuff dark green frags within chl'c gouge mat. (106.7-108.5) mg. dio, white frags w/n ser-chl gouge mat., wkly silt'd bx. frags.

(108.5-108.8) MEDIUM GRAINED DIORITE - (@ 108.8) sharp cnt @ 70°, flow with 5mm of epi alt'n

(108.8-111.9) ANDESITIC FLOW - med. to dark green, H=3, 10% mafic sub xtls, avg. size 1-2mm & 35-40% plag as laths or streaks (epidote green colour) within a dark green, fg matrix. Tr py. Unit is massive, sections of mod fol'n. Mod to strong chl + ser alt'n, mod. ep alt'n. Core highly fractured at lower cnt.

(111.9-113.0) MEDIUM GRAINED DIORITE - as prev. desc unit from 25.2 to 28.6 m. Areas of highly broken core, fault gouge @ 112.4 m 55°. Strong chl + ser alt'n, mod epi alt'n, patchy wk sil'n 0.5% diss py.

(113.0-120.2) FAULT - extremely broken bx. frags (probably MGDR) with poorly fault gouge material. Fault gouge is very chl'c & carbonatized with 1-2% diss py. Occ. qtz crackslings.

A	FROM (5-10)	TO (11-16)	RECOV. / RQD (18-20)	T-MOD / GS (21-22)	ROCK (23-27)	QZ VEINS / FRACTURES (43-46)	57-60	61-64	65-68
1							CLCB	SIKF	P1P2P3
L							EPSE	SP	CPLIMA
P	10450	10850	96		FALT	020			
L			00	R1		XXX			
W	10450	10670			XAN/F		P7P1		D.
L								P2	
W	10670	10850			XMGDR		P4P1	P1	D.
L								P4	
A1	10450	10670			A299				
A1	10670	10950			A300				
P	10850	10880	100		MGDR	000	P2P=		D.
L			34	R2		121		P4	
P	10880	11190	77	FS	AN/F	000	P6		D.
L			26	R2		XXX	P1	P4	
P	11190	11300	100		MGDR	000	P6P*	Q*	D.
L			00	R2			P1	P4	
P	11300	12020			FALT				
L									
D	11300	11550	64			010	P5P1		D.
L			00	R1		XXX	P4	P3	
D	11550	12020	79			221	P7P1		D)
L			00	R1		XXX	P=	P3	
A1	11550	11750			A301				
A1	11750	11900			A302				
A1	11900	12020			A303				

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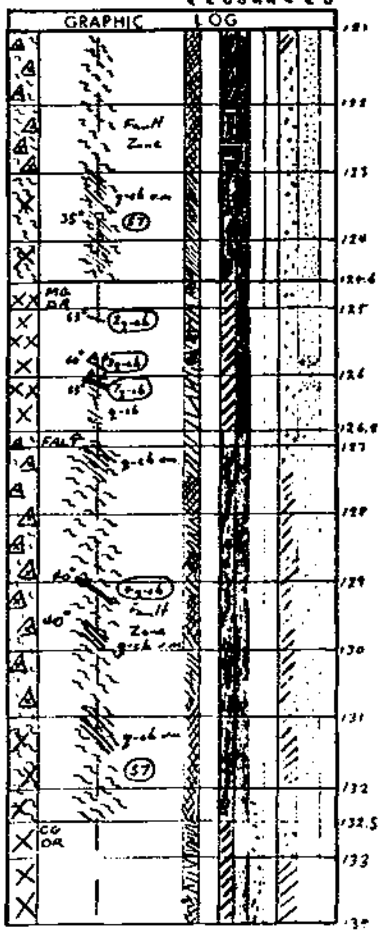
(Geolog Form 3)

IDEN	Unique ID of project	Drill hole / traverse	Logged by	Page
6B0201	WINDY	00H03	SRF	11/15

Column headings (HA/XX type): CLCBSIKFP1P2P3 / EPSESP CPLINA

ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE



DESCRIPTIVE REMARKS

(120.2–121.0) MEDIUM GRAINED DIORITE
mod. chl, ser, carb + ep alt'n, tr py

(121.0–124.6) FAULT – as previously desc. from 113.0–120.2, 1–2% diss py
(123.0–124.6) strongly cleaved @ 35° with 10% qtz-carb along the planes.

(124.6–126.8) FOLIATED MEDIUM GRAINED DIORITE – dark grey, H=3, difficult to distinguish original min due to complete chl'n. Small areas of less alt'n give MGDR appearance. Fol'n @ 45°, some qtz-carb filled fr., 0.5% py.
(125.7–126.3) Bx with 1–2% py within gouge material, 25% qtz carb vein.

(126.8–132.5) FAULT – as prev. desc. with MGDR frags, 0.5% diss py
(126.8–129.0) 2–3% qtz-carb vns

(129.0–131.0) 1–2% qtz-cb vns

(131.0–132.5) highly cleaved – not able to dist. orig. lith – very chl'c
(132.0–132.5) <1% qtz-cb vns

(132.5–142.0) COARSE GRAINED DIORITE – light grey to white with wk epidote green colour, H: 4 to 6, coarse grained, massive, 80 to 85% FF, 15–20% mafics, intergrown xtls. rare qtz-carb vns + xlts. highly fractured & hairline fracs. that are

Card	From	To	Recov	21–22	Rock / Sample	Qz veins (43–46)	57–58	59–60	61–62	65–66
P	12020	12100	100		MGDR	000				
L			00	R2		330				
A1	12020	12210			A304					
P	12100	12460	97		FALT	050	P7	P1		D)
L			00	R1		XXX	P+		P2	
A1	12210	12330			A305					
A1	12330	12460			A306					
P	12460	12680	91	F7	MGDR	343	P5	P1		
L			27	R2		342			P3	
D	12460	12570								D*
L										
A1	12460	12570			A307					
D	12570	12630								D)
L										
A1	12570	12630			A308					
D	12630	12680								D*
L										
A1	12630	12680			A309					
P	12680	13250			FALT		P6	P1		D*
L							P*		P3	
D	12680	13100	95			350				
L			05	R1		XXX				
A1	12680	12900			A310					
A1	12900	13100			A311					
D	13100	13250	97			300				
L			00	R1		XXX				
A1	13100	13250			A312					
P	13230	14200					P2			D.
L							P1		P3	
D	13250	13600	86			000		P1	P=	
L			03	R1		XXX				
A1	13250	13400			A313					

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(Geolog Form 3)

ID	Unique ID of Project	Drill Hole / Traverse	Logged By	Page
IDEN68020 1	WINDY	DDH03	SRF	12/15

Card	Col 57–58	59–60	61–62	63–64	65–66	67–68	69–70
/	CL	CG	SI	KF	PI	P2	P3
L	EP	SE	SP		CP	LI	MA

GRAPHIC LOG (VEINS, FRACTURES, ALTERATION, MINERALIZATION, METERAGE 134–147)

35° (Qtz-cb) c
70° (Qtz-cb) c
Qtz-cb
IM ID
CG DR
IM ID
143.9

DESCRIPTIVE REMARKS

filled w qtz-carb. Zones of int. alt'n which are soft, pale green (epi) & very carbonatized.
To disc. py

Unit contains mod to strong perv. chl & ser alt'n, wk to strong silic & epi, patch wk to strong carb alt'n.
(135.5 - 136.0) strongly alt'd, soft, strong carb

(142.0 - 148.0) INTERMEDIATE DYKE - light pale green, H: 3.5, fine gr. cherty appear. 90% PF, 10% mafics (5% euhedral xtls, avg size 1mm)
Relatively unalt with epi along fractures & believed to be giving pale green colour. Qtz-carb filled hairline fractures. Rare qtz-cb stgs.
Tr disc py.
Highly fractured into sharp chips.
(143.6 - 143.9) COARSE GRAINED DIORITE

Card	From	To	Recov / RQD	T-Mod	Rock	Qz Veins / Fractures	57–58	59–60	61–62	65–66
D	136.00	139.00	90			011		P1	P=	
L			20	R2		562				
D	139.00	142.00	97			200		P=	P1	
L			47	R2		166				
P	142.00	148.00			1M/D					D·
L							P1			
D	142.00	143.00	95			000				
L			00	R2		XXX				
M	143.00	143.90	89		XMGDR	001	P2	PØ	P=	D·
L			00	R3		542	P1		P3	
D	143.90	148.00	73			000				
L			03	R3		XXX				

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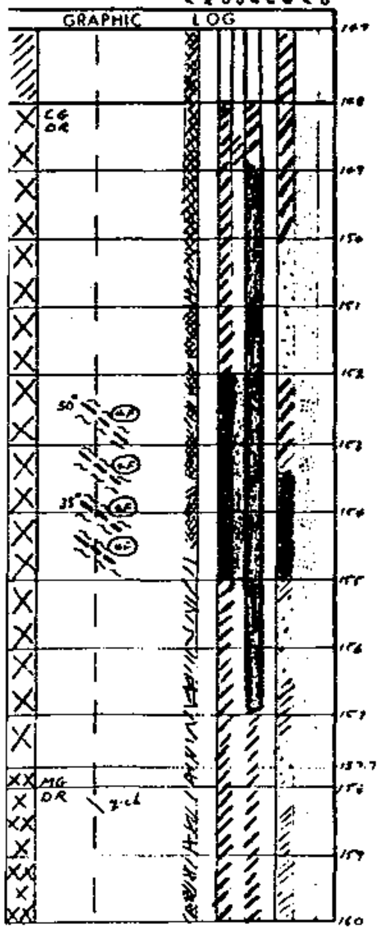
(Geolog Form 3)

IDEN680201	UNIQUE ID OF PROJECT: W/NOY	DRILL HOLE / TRAVERSE: DDH03	SIZE OF CORE	LOGGED	BY: SRF	ASS'T D. DRILLER (S)	MONTH	YEAR	TYPE	PAGE 13/15
S	DRILL COORD. SYSTEM UNITS	M/F: T	TOTAL DEPTH/LENGTH	AZM	V. ANG	NORTHING	EASTING	ELEVATION		

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: 57-58 CL, 59-60 CB, 61-62 SI, 63-64 KF, 65-66 P1, 67-68 P2, 69-70 P3; RQD CS CS; FRACTURES; EP SE SP CP LI NA

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

GRAPHIC LOG



DESCRIPTIVE REMARKS	1	FROM	TO	RECOV	T-MOD	ROCK	QZ VEINS (43-46)	57-58	59-60	61-62	65-66
(148.0-157.7) COARSE GRAINED DIORITE	P	14800	15770			CGDR					
- as prev. desc. from 132.5 to 142.0	L										
	D	14800	15010	90			000	P2	P+	P=	D.
	L			00	R3		XXX	P+		P1	
	D	15010	15040	95			000	P1	PØ	P7	D.
	L			00	R4		032	P+		P1	
(150.1-150.4) Zone of very intense	A1	15010	15040			A314					
silica, no increase of py from ??	D	15040	15240	95			022	P2	PØ	P2	D.
	L			15	R3		XXX	P+		P1	
(152.4-154.5) Fault Zone - highly	A1	15240	15450	90		FALT	000	P4	P2	P2	D)
broken + alt'd, 4 sections of	L			07	R1		XXX	P1		P1	
fault gouge; one @ 50°, another	A1	15240	15340			A315					
@ 35°, the other two are too	A1	15340	15400			A316					
broken; increase in py to 1-1.5%	A1	15400	15450			A317					
	D	15450	15770	100			210	P2	P+	P=	D.
	L			66	R3		234	P+		P1	
	A1	15450	15530			A318					
(@ 157.7) contact @ 65° - appears MG intruded CG											
(157.7-166.3) MEDIUM GRAINED DIORITE =	P	15770	16630			MGDR					D.
- as prev. desc. from 25.2 to 28.6	L										
- wk to mod. chl, ser alt'n, patchy sil'n	D	15770	16040	100			232	P2	P1		
- rare qtz-carb stgs	L			33	R2		265	P1		P4	
- tr wk py/ to strong ep alt'n											

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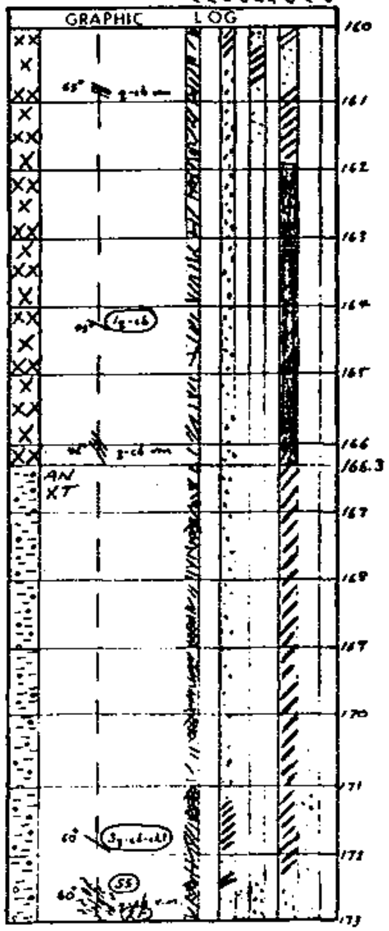
Geolog Form 3)

IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	LOGGED BY	PAGE
680201	WINDY	DDH03	SRF	14/15

DRILL COORD SYSTEM UNITS — M/F: T · TOTAL DEPTH/LENGTH · AZM · V ANG · NORTHING · EASTING · ELEVATION

1	FROM	TO	RECOV	T-MOD	ROCK	QZ VEINS	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
/							CL CB SI KF AI PZ P3
			RQD	CS	CS	FRACTURES	
L							EP SE SP · CP LI MA
A			RECOV	SS Sample Serial No.			



ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE (160–173) · GRAPHIC LOG

DESCRIPTIVE REMARKS

(160.4 - 160.9) 7-8% gtz-carb vein material @ 60°

(165.4 - 166.3) Tr-py along fractures
(166.0 - 166.3) sheared cont @ 45°, 4-5% gtz-carb vein

(166.3 - 173.0) ANDESITIC CRYSTAL TUFF
- dark green, H:3, massive, fine plag xtls (20%) + mafic (10%), subhedral in shape within a dark fg matrix. 1-3% gtz, Occ frags up to 2 cm being replaced by chl, Rare gtz-carb stgs.
Wk chl+ser alt'n, mod ep alt'n
Tr diss + small cu xtls.

(@ 171.6) 1cm gtz-carb-chl vlt
(171.8 - 172.5) 2-3% gtz-carb stgs
(172.5 - 173.0) shd contact - @ 60°, 20-25% gtz-carb vein, tr diss py

Code	From (5-10)	To (11-16)	Recov (18-20)	T-Mod (21-22)	Rock (24-27)	Qz veins (43-46)	57-58	59-60	61-62	65-66	69-70
D	16040	16200	100				P1		P>	D·	
L			47	R2		022	P=		P3		
A1	16040	16090			A319	333					
D	16200	16630	100				P1		P0	D·	<·
			63	R2			P2		P3		
A1	16540	16630			A320						
P	16630	17300			ANXT					D·	
L							P1		P2		
D	16600	17020	88			110	P2				
L			12	R3		485					
D	17020	17250	96			120	P3				U·
L			13	R3		XXX					
A1	17020	17120			A321						
A1	17120	17180			A322						
A1	17180	17250			A323						
D	17250	17300	80			040	P2	P1	P+		
L			32	R2		XXX					
A1	17250	17300			A324						

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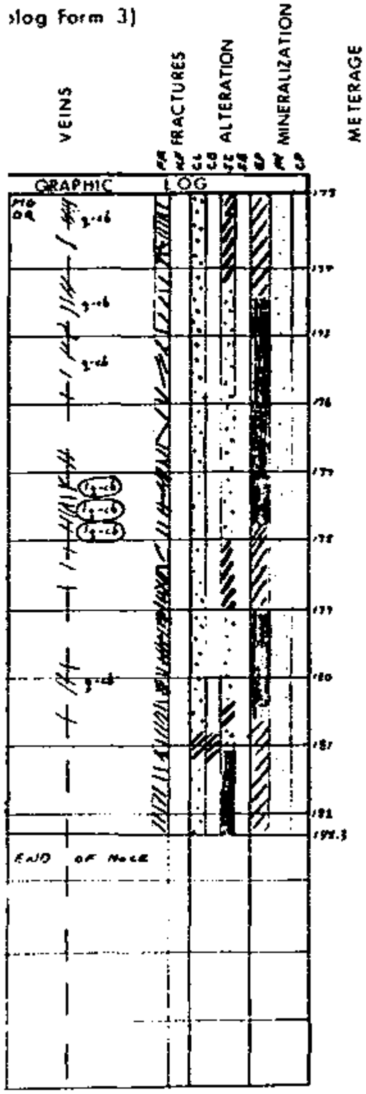
S

PAGE 15 / 15

(Relog Form 3)



DESCRIPTIVE REMARKS

(173.0-182.3) MEDIUM GRAINED DIORITE
- as prev. desc. unit
Mod. to strong epidote alt'n

(175.0-176.0) 5 or 6 qtz-carb-chl fract. fill vlts, 0.5 to 0.75 mm in size, unmin

(176.8-177.8) 6 1 mm qtz-carb-chl filled fracts., unmin

(180.6-181.1) dark green, chl'c, carb'd - may possibly be a piece of andesite, Tr py

(181.1-182.3) extremely chl'd, tr py

(@ 182.3) END OF HOLE

1	4	FROM (5–10)	TO (11–16)	RECOV. (18–20)	21–23	ROCK (24–27)	QZ VEINS (43–46)	57–58	59–60	61–62	63–64	65–66	67–68	69–70
I								CL	CB	SI	KF	PI	PZ	P3
·				RQD	CS	E6	FRACTURES							
L								EP	SE	SP		CP	LI	MA
P		17300	18230			MGDR		P2				D-		
L								P1						
D		17300	17600	97			024		PO	P=				
L				60	R3		334			P2				
A	1	17500	17600											
D		17600	18060	98			033		PO	P=				
L				44	R3		175			P2				
A	1	17680	17780											
D		18060	18110	100			001		P1	P=				
L				40	R2		123			P2				
A	1	18060	18110											
W		18110	18230	100	SIX	MGDR	000		PO	P3				
L				75	R4		013			P=				

*** DRILL HOLE : DDH-03***

Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A240	6.10	7.50	1.40	0.1	42	3	42	
A241	7.50	9.30	1.80	0.1	63	30	117	
A242	9.30	11.60	2.30	0.1	59	3	42	
A243	11.60	12.80	1.20	0.1	265	3	37	
A244	12.80	14.00	1.20	0.1	1110	3	30	
A245	14.00	16.00	2.00	0.1	440	3	26	
A246	16.00	17.70	1.70	0.1	173	3	43	
A247	17.70	18.60	0.90	0.1	36	3	46	
A248	18.60	20.00	1.40	0.1	28	3	62	
A249	20.00	22.20	2.20	0.1	21	3	34	
A250	22.20	22.50	0.30	0.2	69	3	213	
A251	22.50	23.70	1.20	0.1	21	3	64	
A252	23.70	24.80	1.10	0.1	25	3	62	
A253	24.80	25.20	0.40	0.1	88	3	74	
A254	25.20	25.90	0.70	0.1	31	3	42	
A255	27.90	28.60	0.70	0.1	52	3	61	
A256	28.60	29.60	1.00	0.1	26	3	108	
A257	30.30	30.90	0.60	0.4	40	3	130	
A258	34.40	34.90	0.50	1.8	43	3	270	
A259	35.80	36.20	0.40	0.1	42	3	187	
A260	37.00	37.50	0.50	0.1	47	3	132	
A261	38.70	39.20	0.50	0.1	47	3	133	
A276	39.20	41.70	2.50	0.1	21	3	62	
A277	41.70	42.50	0.80	0.1	31	3	81	
A262	42.50	43.10	0.60	0.1	28	3	47	
A278	43.10	44.00	0.90	0.1	18	3	30	
A279	44.00	46.00	2.00	0.1	24	20	43	
A263	46.00	47.00	1.00	0.1	22	3	55	
A264	47.00	48.00	1.00	0.1	43	3	41	
A265	48.00	49.50	1.50	0.1	31	3	66	
A266	50.50	52.00	1.50	0.1	9	3	75	
A267	54.00	55.20	1.20	0.1	7	3	98	
A268	55.80	57.00	1.20	0.1	1	5	93	
A269	57.00	58.00	1.00	0.1	1	3	58	
A270	58.00	60.00	2.00	0.1	8	3	72	
A271	60.00	61.70	1.70	0.1	3	3	43	
A272	63.10	65.00	1.90	0.1	1	3	85	
A273	65.00	66.00	1.00	0.1	4	3	75	
A274	66.00	67.00	1.00	0.1	7	3	265	
A275	67.00	68.00	1.00	0.1	2	3	62	
A280	68.00	70.50	2.50	0.1	4	3	131	
A281	70.50	70.90	0.40	0.1	7	100	196	
A282	70.90	72.00	1.10	0.1	6	20	94	
A283	72.00	73.00	1.00	0.1	10	5	107	
A284	76.00	76.60	0.60	0.1	6	15	85	
A285	79.70	80.30	0.60	0.1	1	30	26	
A286	84.00	85.00	1.00	0.1	3	50	162	
A287	85.00	85.40	0.40	0.1	7	3	107	
A288	85.40	86.00	0.60	0.1	1	15	137	
A289	86.00	87.90	1.90	0.1	1	10	89	
A290	87.90	89.00	1.10	0.1	1	3	112	

*** DRILL HOLE : DDH-03***

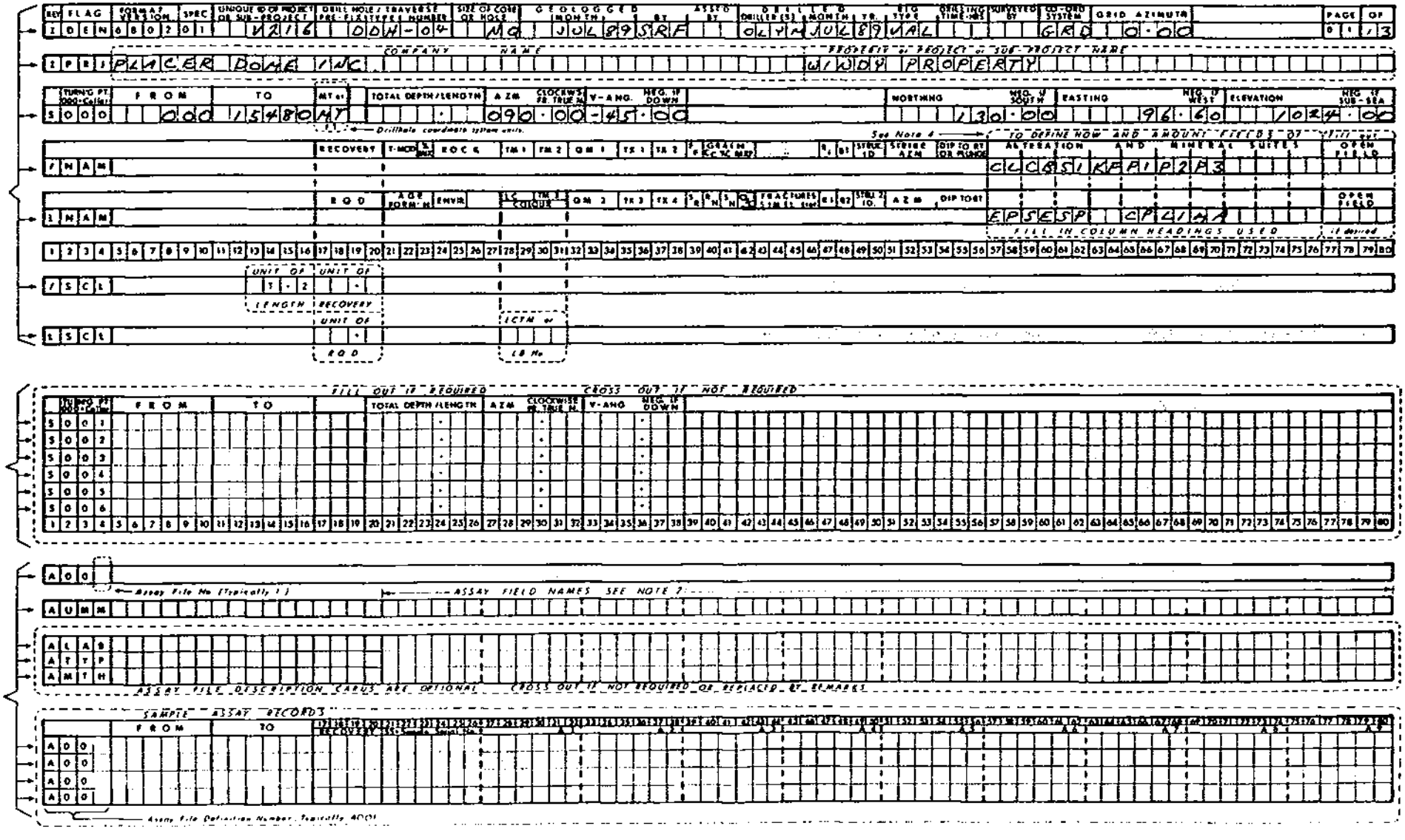
Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A291	89.00	90.00	1.00	0.1	1	20	129	
A292	90.00	91.00	1.00	0.1	1	20	92	
A293	91.00	92.00	1.00	0.1	6	10	80	
A294	92.00	93.10	1.10	0.1	5	15	82	
A295	93.60	95.50	1.90	0.1	1	3	60	
A296	95.50	97.70	2.20	0.1	3	80	45	
A297	97.70	98.00	0.30	0.1	1	3	112	
A298	102.90	104.50	1.60	0.1	4	60	125	
A299	104.50	106.70	2.20	0.1	11	80	152	
A300	106.70	109.50	2.80	0.1	13	5	63	
A301	115.50	117.50	2.00	0.1	2	3	100	
A302	117.50	119.00	1.50	0.2	3	45	97	
A303	119.00	120.20	1.20	0.1	4	3	66	
A304	120.20	122.10	1.90	0.1	7	3	55	
A305	122.10	123.30	1.20	0.1	2	3	53	
A306	123.30	124.60	1.30	0.1	7	3	125	
A307	124.60	125.70	1.10	0.1	3	75	18	
A308	125.70	126.30	0.60	0.1	18	30	25	
A309	126.30	126.80	0.50	0.1	11	20	24	
A310	126.80	129.00	2.20	0.1	2	35	68	
A311	129.00	131.00	2.00	0.1	1	10	52	
A312	131.00	132.50	1.50	0.1	1	5	22	
A313	132.50	134.00	1.50	0.1	1	10	7	
A314	150.10	150.40	0.30	0.1	1	5	3	
A315	152.40	153.40	1.00	0.1	1	40	27	
A316	153.40	154.00	0.60	0.1	1	30	116	
A317	154.00	154.50	0.50	0.1	6	70	90	
A318	154.50	155.30	0.80	0.1	1	20	154	
A319	160.40	160.90	0.50	0.1	3	30	53	
A320	165.40	166.30	0.90	0.1	2	10	65	
A321	170.20	171.20	1.00	0.1	1	35	30	
A322	171.20	171.80	0.60	0.1	3	60	18	
A323	171.80	172.50	0.70	0.1	1	25	75	
A324	172.50	173.00	0.50	0.1	1	10	12	
A325	173.00	175.00	2.00	0.2	1	50	42	
A326	175.00	176.00	1.00	0.1	4	5	34	
A327	176.80	177.80	1.00	0.1	1	3	54	
A328	180.60	181.10	0.50	0.1	1	30	6	
A329	181.10	182.30	1.20	0.1	2	3	11	

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A6501	9.14	11.58	2.44	0.4	3	91
A6502	11.58	14.63	3.05	0.3	3	44
A6504	17.68	20.73	3.05	0.3	3	56
A6505	20.73	23.77	3.04	0.4	10	55
A6506	23.77	26.82	3.05	0.1	3	70
A6507	26.82	29.87	3.05	0.1	300	84
A6508	29.87	32.92	3.05	0.1	250	134
A6509	32.92	35.97	3.05	0.1	3	133

*** DRILL HOLE : DDH-03***

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A6510	35.97	39.01	3.04	0.2	3	208
A6511	39.01	42.06	3.05	0.4	15	104
A6512	42.06	45.11	3.05	0.2	150	70
A6513	45.11	48.16	3.05	0.4	75	72
A6514	48.16	52.21	4.05	0.4	60	95
A6515	52.21	54.25	2.04	0.4	3	160
A6516	54.25	57.30	3.05	0.3	15	162
A6517	57.30	60.35	3.05	0.2	3	105
A6518	60.35	63.40	3.05	0.3	3	145
A6519	63.40	66.45	3.05	0.3	3	140
A6520	66.45	69.49	3.04	0.2	3	122
A6521	69.49	72.54	3.05	0.4	3	198
A6522	72.54	75.59	3.05	0.2	3	106
A6523	75.59	78.64	3.05	0.1	3	91
A6524	78.64	81.69	3.05	0.1	50	72
A6525	81.69	84.73	3.04	0.3	25	150
A6526	84.73	87.78	3.05	0.3	15	146
A6527	87.78	90.83	3.05	0.1	125	157
A6528	90.83	93.88	3.05	0.3	3	120
A6529	93.88	96.93	3.05	0.4	50	106
A6530	96.93	99.97	3.04	0.2	35	119
A6531	99.97	103.02	3.05	0.3	3	142
A6532	103.02	106.07	3.05	0.2	60	146
A6533	106.07	109.12	3.05	0.1	3	94
A6534	109.12	112.17	3.05	0.2	3	108
A6535	112.17	115.21	3.04	0.1	3	127
A6536	115.21	118.26	3.05	0.2	3	136
A6537	118.26	121.31	3.05	0.2	3	132
A6538	121.31	124.36	3.05	0.2	3	94
A6539	124.36	127.41	3.05	0.2	3	81
A6540	127.41	130.45	3.04	0.3	3	100
A6541	130.45	133.50	3.05	0.2	3	87
A6542	133.50	136.55	3.05	0.3	15	82
A6543	136.55	139.60	3.05	0.2	3	41
A6545	142.65	145.69	3.04	0.1	10	85
A6546	145.69	148.74	3.05	0.1	3	74
A6547	148.74	151.79	3.05	0.1	3	103
A6548	151.79	154.84	3.05	0.2	3	87
A6549	154.84	157.89	3.05	0.2	3	148
A6550	157.89	160.93	3.04	0.2	3	106
A6551	160.93	163.98	3.05	0.2	3	128
A6552	163.98	167.03	3.05	0.2	3	96
A6553	167.03	170.08	3.05	0.3	3	146
A6554	170.08	173.13	3.05	0.3	3	140
A6555	173.13	176.17	3.04	0.1	3	75
A6556	176.17	179.22	3.05	0.1	3	67
A6557	179.22	182.27	3.05	0.2	3	74

PLACER DOME INC. — GEOLOG DRILLHOLE HEADER FORM



Notes

1. Do not change /NAM, /NAM, /SCL, /SCL or AUMM card definitions during a project. Blanks may be changed later.
2. On AUMM card, right adjust names so that R.H. 3 letters make sense. They will be "stats" header names.
3. Units of distance on SCOL card are for survey coordinates. Those on /SCL card are for downhole distances.
4. 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.

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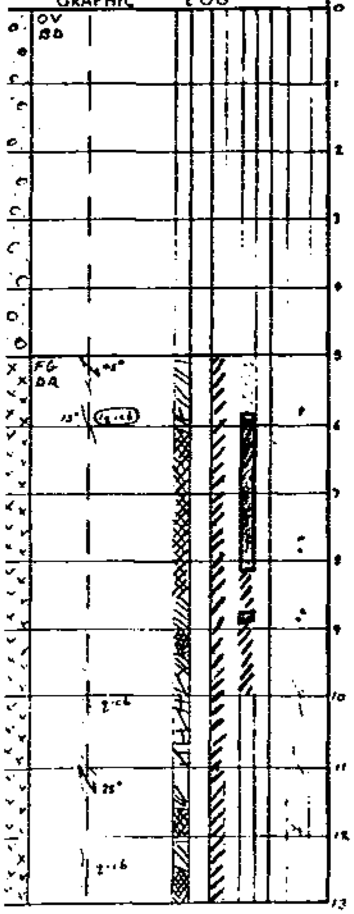
1	0	E	N	6	8	0	2	0	1	Unique ID of Project: W/WDY	Drill Hole / Traverse: DDH04	Size of Core:	Logged:	By: SRF	Page: 02/13
S	Drill Coord. System Units →	M/F: T	Total Depth/Length: .	AZM: .	V ANG: .	Northing: .	Easting: .	Elevation: .							

1	4	FROM (5–10)	TO (11–16)	RECOV (18–20)	T-MOD (21–23)	ROCK (24–27)	QZ VEINS (43–46)	FILL IN COLUMN HEADINGS FOR NA/XX TYPE HEADINGS (57–76)
/								CL CB SZ KF P1 P2 P3
				RQD	CS	C6	FRACTURES	
L								EP SE SP CP LF MA
				RECOV	SS Sample Serial No. (24–27)		(28–32)	

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

GRAPHIC LOG



DESCRIPTIVE REMARKS

(0.0-5.0) OVERBURDEN

(5.0-39.3) FINE GRAINED DIORITE - Med. grey to med. greenish grey, H=3 (chl'd + ser'd) to 6 (sil'd), equigranular with some porphyritic mafic sections, fine grained, massive to mod'ly fol'd. 70-80% FP, 20-30% mafics
wk to strong chl + ser alt'n, patchy sil'n + carb'n. Wk patchy epi alt'n, mainly occurs along fractures.
Numerous qtz-carb filled fracs, rarely over 0.5 cm in width
Pyrite occurs as dissem. blebs + along fracts - 0.2% avg.
(5.5-6.2) 0.5 cm qtz-carb vn @ 5°, 0.5% py as blebs + carb. alt'n, intense sil'n
(6.2-8.0) intense sil'n, 0.5% bleb py
(8.0-19.0) wkly fol'd @ 25-30°, mod chl + ser alt'n, 0.2-0.5% py as fill, + minor along fractures.

Code	Col 4	FROM	TO	RECOV / RQD	T-MOD / CS	ROCK / Sample No.	QZ VEINS	Fill-in columns
P		000	500			OVBD		
P		500	3930			FGDR		
N		500	1900		F3X	FGDR		
L								
D		500	580	100			100	P2P)P* D.
L				92	R2		232	P4 <*
N		580	800	45	S1X	FGDR	101	P)POP7 B*
L				05	R3		XXX	P) <.
A	1	580	620			A330		
A	1	620	800			A331		B*
D		800	1000	75			002	P)POP5 <.
L				20	R2		XXX	P)
A	1	800	900			A332		
A	1	900	1000			A333		
D		1000	1400	70			202	P2P)P0 <*
L				20	R2		XXX	P4 <*
A	1	1000	1150			A334		
A	1	1150	1400			A335		

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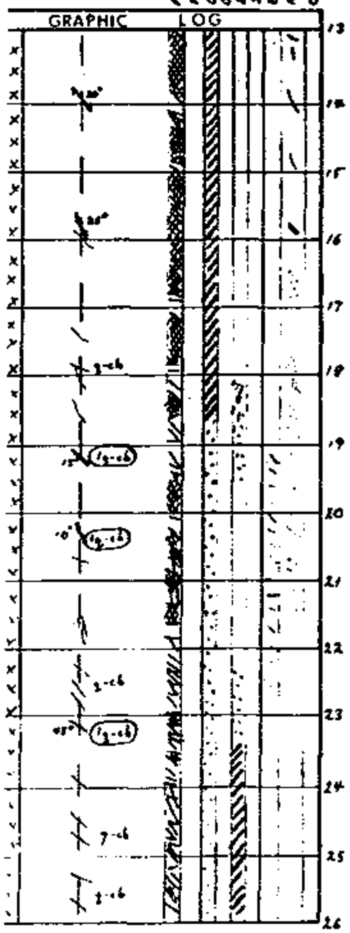
IDEN680201	Unique ID of Project	Drill Hole / Traverse	Size of Core	Logged By	Asst.	Driller(s)	Month	Year	Type	Page	of
	WINDY	DDH04		SRF						03	13

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

	FROM	TO	RECOV.	T-MOD	% MIX	ROCK	QZ VEINS S M L stot	FILL IN COLUMN HEADINGS FOR NA/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	57–76
/								CL CB SI KF P1 P2 P3
L			RQD	CS		ES	FRACTURES S M L stot	EP SE SP CP LI MA
A			RECOV	SS: Sample Serial No.				

VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE



A	FROM	TO	18–22	23–27	43–46	57–60	61–64	65–68	69–72	DESCRIPTIVE REMARKS
O	1400	1900	58		002	P2P)	Q·	D·	<X	
L			12R2		XXX		P4		<·	
A1	1400	1600		A336						
A1	1600	1800		A337						
A1	1800	1900		A338						
O	1900	2350	76		222	P1	QX	DX	<·	(190-225) patchy weak sil'n
L			22R2		365	<·	P3			(@ 19.1) 1 cm qtz-carb vn, sl, ca=5°,
A1	1900	2000		A339						0.25% en py xtls
										(@ 20.2) 0.5 cm qtz-carb vn, sl, ca=10°,
A1	2000	2100		A340						0.25% sub py xtls
D	2350	2660	77		030	PV	P3	D		(23.5-26.6) mod. pervasive silica-
L			32R3		343	<·	P3			porphyritic with 5% mafic an-sub xtls
										avg. size 2-3 mm
A1	2600	2630		A341						

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(Geolog Form 3)

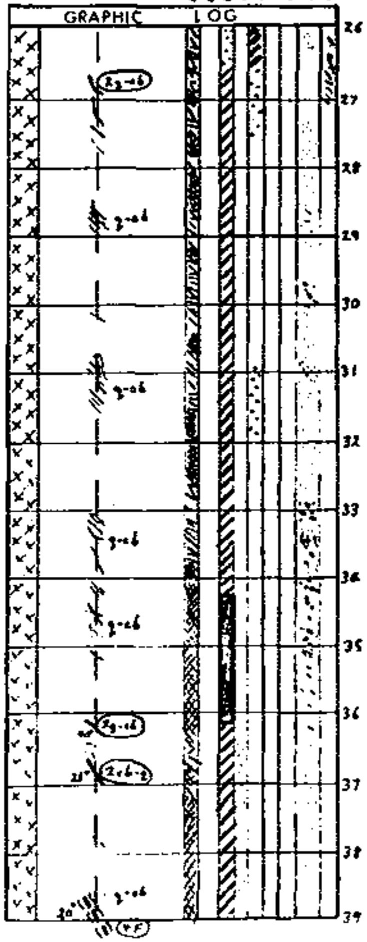
	Unique ID of Project	Drill Hole / Traverse	Logged By	Page
1 DEN680201	WINDY	DDH04	SRF	04 / 13

Drill coord. system units — M/F; Total depth/length; AZM; V. ANG; Northing; Easting; Elevation

Column headings (HA/XX type): C L C B S I K F P 1 P 2 P 3 / E P S E S P C P L I M A

Rock Type | Veins | Fractures | Alteration | Mineralization | Meterage

GRAPHIC LOG



DESCRIPTIVE REMARKS

(26.0 - 26.3) 15% qtz-carb vn material, 0.5% diss py

(26.5 - 28.5) still slightly porphyritic with 5% 2mm mafics a very weakly foliated @ 35-50°, very rubble [illegible] hard to get angles from

(28.5 - 29.0) 2-3% qtz-carb stgs with 0.5% diss py; [illegible] of qtz + [illegible]

(29.0 - 30.8) very minor amt of qtz-carb stgs, 0.25% py on f.f. @ 29.9 0.5cm [illegible] py stg @ 35°

(30.8 - 31.6) 6-7% qtz-carb vn, 0.5 diss + [illegible] py along vn contacts, [illegible]

(31.6 - 32.9) highly broken core - only 31% recovery - tr diss py - tr qtz-carb stgs

(32.9 - 33.4) 2-3% qtz-carb f.f., 0.5-1% py on f.f. - py as blebs along some fractures

(33.4 - 34.0) 1% qtz-carb stgs, no py assoc. with them - 0.25% py along fr. with only tr qtz-carb

(34.0 - 35.0) 2-3% qtz-carb stgs a vn, 0.25-0.5% py as blebs along fr.

(35.0 - 36.0) highly broken core - very [illegible] - tr qtz-carb a py

(36.0 - 37.0) one 15cm qtz-carb vn @ 40° with tr diss py, one 2cm carb vn @ 25° with vugs a good xtl development - minor qtz [illegible]; [illegible] with 0.5% qtz-carb stgs + tr diss py

(38.2 - 39.3) Fault Zone - some fault gouge @ 20°, highly broken core, 1% qtz-carb vn, tr diss py

A	From	To	Recov.	RQD / CS	Rock	Qz veins	57-58	61-62	65-66	69-70
D	2650	3080	84			233	P2	Q)	D*	<*
L			19	R2		XXX		P4		
A1	2850	2900			A342					
A1	2900	3080			A343					
D	3080	3290	57			132	P2	Q)	D·	<*
L			10	R2		XXX		P4		
A1	3080	3160			A344					
A1	3160	3290			A345					
D	3290	3400	100			222	P2			<*
L			18	RZ		233		P4		
A1	3290	3340			A346					
A1	3340	3400			A347					
D	3400	3600	90			122	P4			<*
L			00	R1		XXX		P5		
A1	3400	3500			A348					
A1	3500	3600			A349					
D	3600	3930	67			232	PZP)		D·	
L			13	R2		XXX		PS		
A1	3600	3700			A350					
N	3820	3930			XFALT					
A1	3820	4020			A351					

PLACER DOME INC.

(Geolog Form 3)

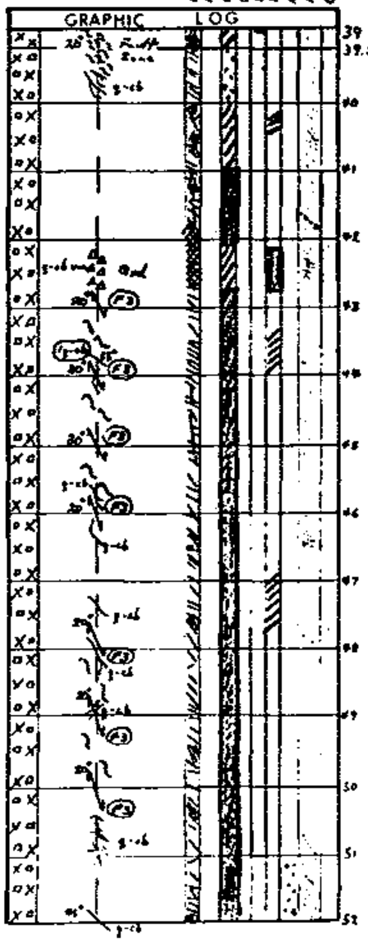
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	LOGGED BY	PAGE
IDEN6B0201 W1WDY	DDH04	SRF	05/13

DRILL COORD SYSTEM UNITS — M/F | TOTAL DEPTH/LENGTH | AZM | V ANG | NORTHING | EASTING | ELEVATION

I		CL CB SI KF PI P2 P3
	RQD CS ES FRACTURES	
L		EP SE SP CP LI MA

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

GRAPHIC LOG



DESCRIPTIVE REMARKS

(39.3 - 53.1) PORPHYRITIC DIORITE - as previously described unit with grad. increase in mafic size & percentage in no contact. Med green in colour due to pervasive strong chl alt'n. Phenos up to 30%, 3 to 4mm in size; as low as 10-15%, 1 to 2mm in size; eu to subhedral in shape. H:3. Massive to wkly fol'd @ 20-30°. Strong chl + ser alt'n, patchy mod. to strong sil'n. Rare qtz-carb stgs + tr py as dissn + rare f.f.

(40.2 - 40.6) fractured + rehealed with chl/c filling, 2-3% qtz-carb f.f.; a patch of sil'n & 1% py f.f. [illegible]

(42.3 - 42.8) strongly sil'd - brecciated + rehealed with chl, 0.5% py + 1% qtz-carb vn

(42.8 - 46.0) wkly fol'd @ 20-30°

(46.0 - 47.0) appears to be a dyke (5cm, 30°) of same comp but unalt - porphyritic material @ cont. also unalt but w/ large carb xtls + py blebs (0.5%)

(47.7 - 50.1) wkly fol'd @ 20°

(50.5 - 51.7) 1% qtz-carb as hairline f.f., 0.25% py as f.f., tr diss. py

(51.7 - 53.1) gradational change back to fg. diorite, patchy ep. alt'n, 0.5-1% diss py, mafics appearing as long skinny needles (hbn?)

1	4-6 From (7-10)	To (13-16)	18-20	21-23	24-27	43-46	57-58	61-62	65-66	67-68	69-70
P	3930	5310			PPDR						
L											
D	3930	4230	83			121	P3	Q+	D·		<*
L			37	R2		XXX		P4			
A1	4020	4060		A	352						
A1	4060	4230		A	353						
D	4230	4280	100			000	P1	P6	D·		<*
L			33	R3		XXX		P2			
A1	4230	4280		A	354						
W	4280	4600	100	F3X	PPDR	033	P4	Q*	D·		
L			56	R2		542		P5			
A1	4280	4380		A	355						
D	4600	4770	94			011	P4	Q*	D·	O·	
L			59	R2		321		P4			
A1	4600	4700		A	356						
N	4770	5010	100	F3X	PPDR	032	P4		D·		
L			79	R2		214		P5			
D	5010	5310	90			321	P4	Q*	D)		<·
L			57	R2		433	Q*	P4			
A1	5030	5170		A	357						
A1	5170	5310		A	358						

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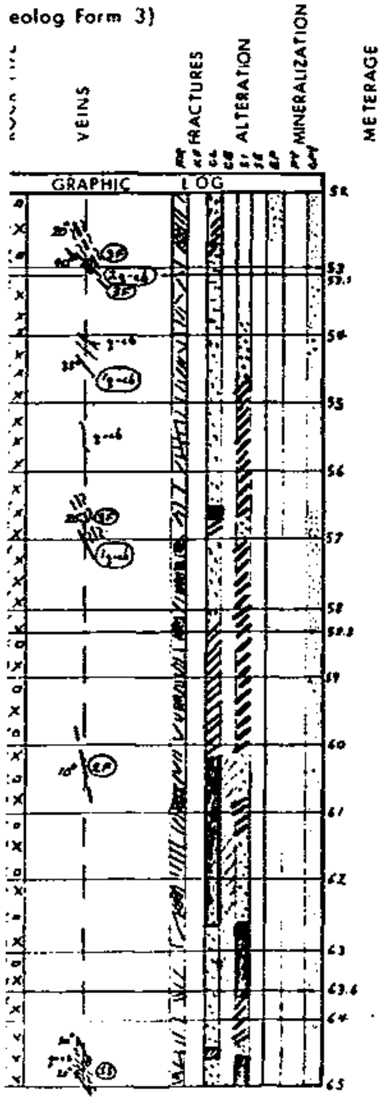
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	PAGE
1 0 E N 6 8 0 2 0 1 W I N O Y	D D H 0 4			S R F	06 / 13

DRILL COORD SYSTEM UNITS: 5 — M/F: T — TOTAL DEPTH/LENGTH — AZM — V ANG — NORTHING — EASTING — ELEVATION

		FROM	TO	RECOV.	T-MOD	ROCK	QZ VEINS	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1	4	5–10	11–16	18–20	21–23	24–27	43–46	57–76
/								C L C B S I K F P 1 P 2 P 3
				RQD	CS	~~CS~~	FRACTURES	
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

(53.1-58.3) FINE GRAINED DIORITE - Med.
grey, H=3.5, slightly coarser than
unit described from 5.0-39.7 but still
does not have interlocking xtls of mg. dio.
Unit contains distinct plag. laths + subh. xtls
(75%) + subh. mafic xtls (20%) within
a fg matrix. 70-75% PF, 25-30%
mafic. Unit becomes coarser grained
then porphyritic with mafics.
1% qtz-carb stgs + tr diss py + blebs.
(55.0-56.6) coarse grained diorite.
(56.6-57.2) porphyritic diorite - mafic
xtls as long needles (up to 1cm) +
avg. size of subhed xtls 1-2mm.
sil'd section with increased py.
0.5% diss py, 0.5% ff py.
(57.2-58.3) wkly sil'd fg dio, some relict
mafic xtls, tr qtz-carb stgs, 1% diss py.
(@58.3) cnt sharp @ 80° with 3mm qtz-carb

(58.3-63.6) PORPHYRITIC DIORITE - as prev.
described fr. 39.7 to 53.1. Highly chl'd +
sil'd in places. Hard to tell if it's the
same unit but has grad. changes.
(58.3-59.1) 0.5% diss py.
(59.1-60.0) 0.3% diss py, tr py blebs
(60.0-61.0) strongly chl'd, dark green,
some relict mafic phenos, 1cm of fault gouge,
1% qtz-carb stgs, 0.2-0.5% diss py.
(61.0-62.6) strongly chl'd, 0.5% diss py
(62.6-63.6) strongly sil'd, white to beige in
colour, relict plag xtls (eg. dio?), 1%
qtz-carb vns, 0.5% diss. py
(@63.6) - contact @ 15° (alt'n cnt)

(63.6-72.3) FINE GRAINED DIORITE - more
variations of the prev. des. units. Rather
than grad. cnts, cnts are sharper but
very subtle change in lithology.

1	4	5–10	11–16	18–20	21–23	24–27	43–45	57–60	61–62	65–66	67–70
P		5310	5830			FGDR					
L											
D		5310	5500	95			321	P2PO	Q=	D·	B·
L				66	R2		333		P2		
N		5500	5660	87	X	CGDR	101	A2PO	P1	O·	
L				39	R2		223		P3		
N		5660	5720	92	X	PPDR	011	P2PO	P1	D*	L*
L				32	R2		113		P3		
A	1	5660	5720		A	359					
D		5720	5830	85			011	P2PO	P1	D1	
L				32	R2		035		P3		
A	1	5720	5830		A	360					
P		5830	6360			PPDR					
L											
D		5830	6000	97			C10	P4PO	A1	D*	
L				53	R2		245		P4		
A	1	5830	5910		A	361					
A	1	5910	6000		A	362					
D		6000	6260	91			112	P6P1	P=	D*	
L				50	R2		343		P4		
A	1	6000	6100		A	363					
A	1	6100	6260		A	364					
D		6260	6360	100			000	P3P=	P3	D*	
L				90	R2		102		P3		
A	1	6260	6360		A	365					
P		6360	7230			FGDR					
L											
D		6360	6500	100			113	A3P=	P2	D·	
L				40	R2		124		P3		

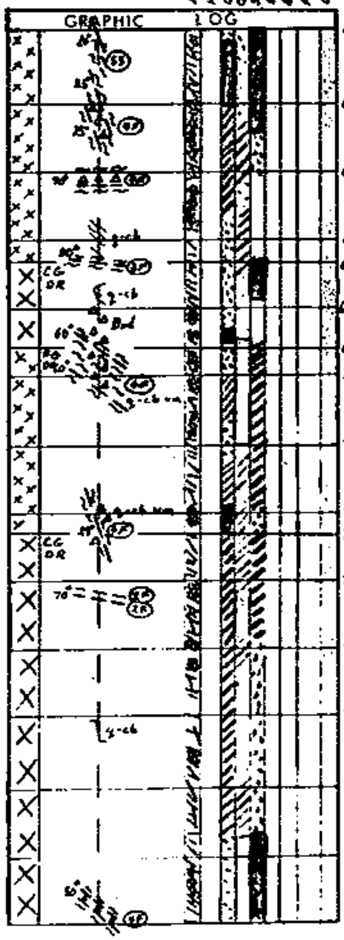
PLACER DOME INC.

IDEN	Unique ID of Project	Drill Hole / Traverse	Size & Core	Logged	By	Page
IDEN680201	W/WOY	DDH04			SRF	07/13

S	Drill Coord. System Units	M/F	Total Depth/Length	AZM	V ANG	Northing	Easting	Elevation
S		T	.	.	.	.	.	.

Geolog Form 3)

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



DESCRIPTIVE REMARKS
(63.6-66.0) identicle to prev. dee. porphyritic diorite unit but mafics are no longer porph. in size.
(65.0-66.4) mod silid @ 30°, fault gouge + bxd. Appears to be a c.g. dio. 1% qtz-carb vns, 0.5% diss py within fault gouge, silid bx frags + orig. bx.
(66.4-68.4) back to ch type from 63.6 to 65.0 but healed fault bx has frags of c.g. dio to pxy. cut @ 68.4 @ 75°
(68.4-69.6) bxd c.g. dio, 1% diss py in the gouge between frags, 0.5% qtz-carb vn.
(69.6-72.3) f.g. dio changes to 10% mafic xtls, [illegible], [illegible], [illegible] plag xtls in a f.g. matrix. Half of mafics have altn halos, white (1-2) 3mm. (hematized - DDH3 - 39m)
(72.3-79.2) COARSE GRAINED DIORITE - light grey + beige, H=3, 60-65% euhedral FP xtls + laths 3 to 4mm in size with interstitial mafic xtls (35-40%), massive, mod to wk chl + ser altn, wk to strong sil'n, minor faulting + bxn. Rare qtz-carb stngr, tr py.
(72.3-73.3) 0.5% py blebs
(73.3-73.6) strongly carb'd
(76.7-79.2) strongly sil'd + carb'd with tr py, faulting @ 50°, some bxn.

Code (1-4)	From (5-10)	To (11-16)	Recov / RQD (18-20)	CS (21-23)	Rock / Sample Serial No. (23-27)	Qz Veins / Fractures (43-46)	57-62	63-76
							CL CB SI KF P1 P2 P3	
							EP SE SP	CL LI MA
A1	6360	6500			A366			
D	6500	6840	89			232	P4P=Q2	D*
L			22	R2		256	P4	
A1	6500	6570			A367			
A1	6570	6640			A368			
A1	6640	6840			A369			
N	6840	6960	83		XCGDR	113	P2P=Q1	D)
L			35	R2		134	P2	
A1	6840	6960			A370			
D	6960	7230	85			311	P3P1P1	D·
L			27	R2		137	P4	
A1	6960	7100			A371			
A1	7100	7230			A372			
P	7230	7900			CGDR			
D	7230	7450	80			232	A2P1P1	B*
L			41	R2		334	P4	
A1	7230	7330			A373			
D	7450	7670	77			221	P3Q+P+	D·
L			52	R2		234	P4	
D	7670	7920	90			203	P3P1P1	D·
L			26	R3		346	P3	
A1	7800	7920			A374			
P	7920				PPDR			

PLACER DOME INC.

(Geolog Form 3)

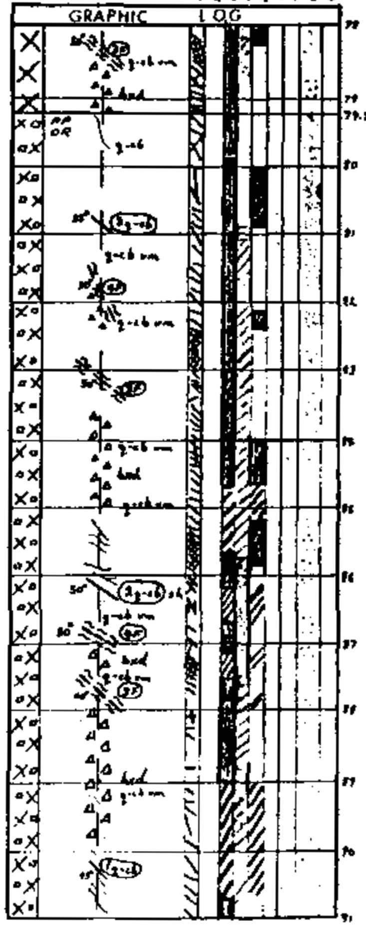
Unique ID of Project	Drill Hole / Traverse	By	Page
T DEN680201 WINDY	DDH04	SRF	08 / 13

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

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: CL CB SI KF P1 P2 P3 / EP SE SP CP LI MA

ROCK TYPE — VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

(79.2–107.0) PORPHYRITIC DIORITE – as prev. desc. unit from 39.3 to 53.1

Mod. to strongly chl'd, mod. ser'd, wk to strongly carb'd. Patchy strong to mod. sil'n. Highly faulted & bxd. Rare qtz-carb vlts but large amt. of qtz-carb vns as infilling in bxd & fault zones. Tr py but increase within some bxd & sil'd zones to 0.5–1.0%

(79.9–80.8) highly sil'd, 1% ff py, 0.5% bleb py – one large patch of py rimmed with epi alt'n – 0.5% qtz-carb vlts.

(80.8–81.7) highly chl'd – highly frac. & healed with 2–3% qtz-carb vns & chl – 0.5% f.f. py & tr diss py

(81.7–82.9) fault @ 30°, zone of sil'n & bxn with increased diss py assoc. c̄ it. 0.5–1% diss py, 3–4% qtz-carb vns

(82.9–84.0) fault gouge @ 50°, highly chl'd & bxd 2–3% qtz carb vns, 0.5% py as f.f. & blebs overgrowing bxd frags & chl'e vlts.

(84.0–85.0) highly sil'd & bxd – beige in colour, 0.5% qtz-carb vns, 0.5% diss py

(85.0–87.8) Two fault gouges @ 40° & 50°, bxn c̄ 2–3% qtz-carb vns, only 0.2% diss py assoc. c̄ sil'n

(87.8–89.8) bxn, rehealed c̄ 3–4% qtz-carb vns & chl, 0.5% bleb py

(89.8–91.6) mod. frac c̄ 2–5% qtz-carb infilling, 0.5% diss. py c̄ bleb py

1-4	From (7-10)	To (13-16)	Recov / RQD (18-20)	T-Mod / CS (21-23)	Rock / Sample Serial No. (23-26)	Qz Veins / Fractures (43-45)	57-58	59-60	61-62	65-66	67-68	69-70
D	7720	8080	99			322						
L			63	R2		323						
D	7920	7990					P6	P0	P0	D·		<*
L									P3			
A1	7920	7990			A375							
D	7990	8080					P2	P0	P5	D*		<1
L									P3			
A1	7990	8080			A376							
D	8080	8400	78			343	P6	P1	Q)	D*	B·	<*
L			38	R2		346			P3			
A1	8080	8170			A377							
A1	8170	8290			A378							
A1	8290	8400			A379							
D	8400	8780	85			343	P6	P=	Q1	D*	B·	
L			24	R2		356			P3			
A1	8400	8500			A380							
A1	8500	8780			A381							
D	8780	8980	100	BX		233	P4	P=	Q=		B*	
L			95	R2		014			P5			
A1	8780	8980			A382							
D	8980	9400	78			145	P6	P+	Q)	D*	B*	
L			46	R2		25X			P4			
A1	8980	9160			A383							

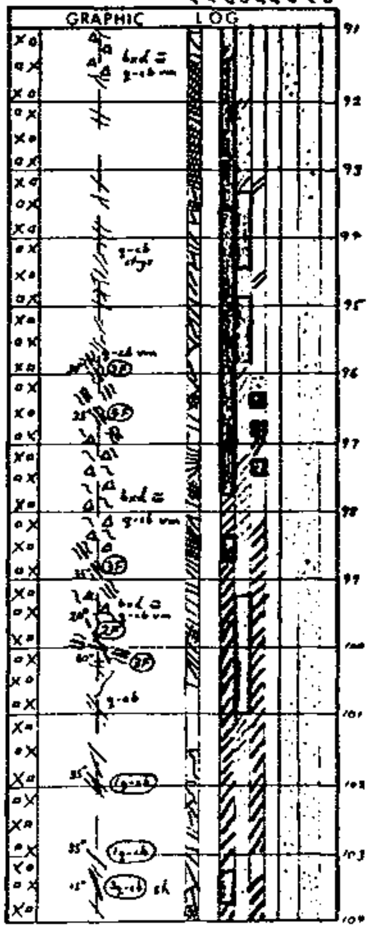
PLACER DOME INC.

(Geolog Form 3)

IDEN 680201 | UNIQUE ID OF PROJECT: WINDY | DRILL HOLE / TRAVERSE: DDH04 | LOGGED BY: SRF | PAGE 09/17

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

ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE



FILE IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: C L C G S I K F P 1 P 2 P 3 / E P S E S P C L L I M A

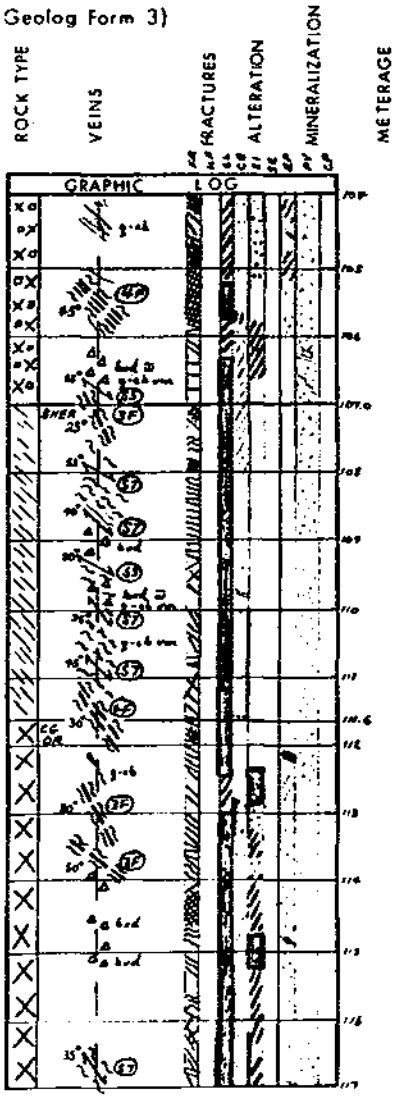
DESCRIPTIVE REMARKS	1	4	FROM	TO	RECOV.	T-MOD / RQD	ROCK	QZ VEINS / FRACTURES	57–76
	A	1	9160	9400			A384		
(94.0-94.4) 1mm py fl, highly frac	D		9400	9600	90			343	P6 P= Q· D· B# <·
+ healed ā 4-5% qtz-carb vn	L				55	R2		143	P4
0.2-0.3% py along fracs	A	1	9400	9440			A385		
	A	1	9440	9600			A386		
(96.0-100.0) Fault Zone = fault gouges	N		9600	10000			FALT		
@ 30°-35°, bxd ā pasty range matrix	L								
+ qtz-carb vn infilling	D		9600	9770	64			012	A6 Q+ Q= D·
(96.0-97.7) rounded sil'd frags in qtz-	L				13	R2		234	P4
carb vn for two 10cm intervals,	A	1	9600	9770			A387		
6-7% qtz-carb vn, 0.2-0.5% diss py	D		9770	9830	95			001	A3 P+ Q+ D>
(97.7-98.3) white, soft, bleached + bxd	L				22	R2		007	P7
hc ā qtz-carb infilling = increase of	A	1	9770	9830			A388		
py here to 0.5-1.0% diss	D		9830	10000	61			103	A4 Q+ P1 D· <·
(98.3-100.0) one 5cm section of rounded	L				21	R2		025	P5
frags rimmed ā qtz-carb within chl'c	A	1	9830	10000			A389		
material, 2-3% qtz-carb vn, 0.2-									
0.5% diss py	D		10000	10300	98			332	P3 Q> P1 D·
	L				95	R3		224	P6
(103.0-104.0) 3cm qtz-carb vn, sh, 15°,	D		10300	10400					P7 P+ Q1 DX
one patch of diss py, 0.2-0.5% py; hc	L								P2
is chl'c with 2-3% qtz-carb vn, 0.2-0.5%	A	1	10300	10400			A390		
diss py along vn cnts + vn cnts									

PLACER DOME INC.

(Geolog Form 3)

Unique ID of Project	Drill Hole / Traverse	Page
1 D E N 6 B 0 2 0 1		10 / 13

Drill coord system units: S — M/F: T



Code	From	To	Recov. / RQD	21–23	Rock / Sample	Qz veins / Fractures (43–45)	57–62	65–70
D	10400	10700	78			222	P5 Q+ Q+	D.
L			42	R2		13X	PS	
N	10530	10560			FAULT		P9	
D	10610	10700		S5			P1	< .
A1	10610	10700			A391			
P	10700	11160	87	S7X	SHER	101	P6 Q+	D.
L			27	R1		24X	P4	
A1	10700	10860			A392			
A1	10860	10950			A393			
D	10950	11020		BX				D)
A1	10950	11020			A394			
D	11020	11160					P1	
A1	11020	11160			A395			
P	11160	11870			CGDR		PS Q+ Q+	D.
L							P+ PS	
D	11160	11490	94			100		
L			42	R2		237		
D	11490	11870	89			012		
L			37	R2		347		
D	11490	11510		BX				
D	11580	11620		BX				<*
A1	11580	11620			A396			

Column headings (57–70): CL CB SI KF PI P2 P3 / EP SE SP CP LI MA; RQD; CS; ES; Fractures

DESCRIPTIVE REMARKS

(105.3-105.6) fault gouge, very chl'c, tr py

(106.1-107.0) mod chl'd @ 55°, bxd, 2-3% qtz-carb vn, 0.2-0.5% diss py in same along fr.

(107.0-111.6) SHEAR ZONE - strongly chl'd @ 75-55°, some bxn, zone bounded by fault gouge mat, very chl'c

(107.0-108.6) 1-2% qtz-carb vn, tr py

(108.6-109.5) 1-2% qtz-carb vn, tr py, some bxn

(109.5-110.2) zone of bxn, 2-3% qtz-carb vn, 1 cm qtz-carb band with 50% diss py, interval with 0.5-1% diss py.

(110.2-111.6) 7-8% qtz-carb vn, tr diss py, strong carb.

(111.6-118.7) COARSE GRAINED DIORITE - bright with epi green colour, H=3.5, 30-35% sub mafic xtls (avg 2-3 mm) with 65-70% intersticial PF. Difficult to see relict xtls, some laths visible. Massive with some faulting, bxn and shearing. Strongly chl'd, mod ser alt'n, wk to strong carb, patchy ep & silic. Tr diss py, qtz-carb vn in shd areas.

(111.6-112.9) strongly chl'd with mod epi alt'n, 1-2% qtz-carb vn, tr py diss'ns & blebs, from 112.6 to 112.9 strongly sil'd & lam. along fr.

(114.9-115.1) bxd with sil'd frags in chl'c mat.

(115.8-116.2) bxd with 0.2-0.5% py as f.f.

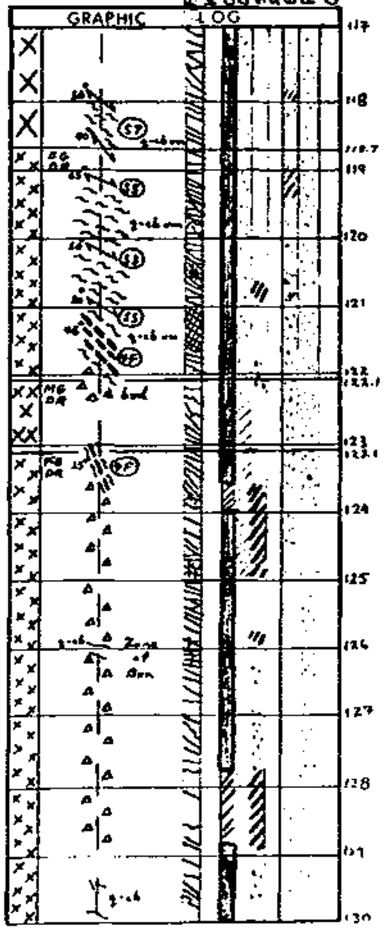
PLACER DOME INC.

(Geolog Form 3)

IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED BY	PAGE
IDEN6802 01	WINDY	DDH-04		SRF	11/13

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
(117.9 - 118.7) grain size decreases to medium gr. diorite (avg mafic xtl is 1mm).
(118.0 - 118.7) shear zone - strongly chl'd with 2-3% qtz-carb vns. Tr diss py
(118.7-122.1) SHEARED FINE GRAINED DIORITE - as prev. desc. unit from 50 to 39.3 with weak to mod. cleavage. Strongly chl'd, mod. ser., wk carb + patchy sil'n + epi. Tr diss py
(118.7 - 119.3) massive to very wkly fol'd
(119.3 - 120.0) mod. fol'd w 2-8% qtz-carb vns
(120.0 - 121.0) wkly fol'd @ 50° w 1-2% qtz-carb vns
(121.4 - 121.8) fault gouge @ 45° w 30% sil'd frags
(121.8 - 122.1) wkly sil'd w 0.5% py as f.f., cnt is sh'd + bxd
(122.1 - 123.1) MEDIUM GRAINED DIORITE - as prev. described coarse grained dio from 111.6 to 118.7 but avg. mafic xtls are 1mm rather than 2-3mm. Unit is bxd from 122.1 to 122.3 and highly fractured to 123.1. Strongly chl'd + tr py.
(@ 123.1) sh'd cnt
(123.1-135.5) FINE GRAINED DIORITE - as prev. desc. unit from 50 to 39.3. Locally porphyritic. Unit is mostly bxd. Strongly chl'd, mod. to strongly ser'd, patchy carb, sil'n + ep. Tr py, rare qtz-carb vlts.
(126.0 - 128.9) zone of bxn

A (1)	4	FROM (5-10)	TO (11-16)	RECOV (18-20)	T-MOD (21-22)	% MIX (23)	ROCK (24-27)	QZ VEINS S M LL Total (43-46)	57-76 (CL CB SI KF PI P2 P3 / EP SE SP CP LI MA)
/									C L C B S I K F P I P 2 P 3
				RQD	CS		CS	FRACTURES	E P S E S P C P L I M A
L				RECOV	SS: Sample Serial No				
D		11800	11870		S7				
P		11870	12210	88			FGDR	114	P4 P✱ Q. D.
L				37	R2			03X	Q✱ P6
D		11930	12000		SS				
A1		11930	12000				A397		
D		12000	12100		S3				
A1		12000	12100				A398		
A1		12100	12210				A399		
N		12140	12180				XFALT		
D		12180	12210						<✱
P		12210	12310	92			MGDR	010	P6 P)
L				15	R2			113	P✱ P4
A1		12210	12310				A400		
P		12310	13550				FGDR		P4 Q) Q) D.
L									P✱ P6
D		12310	12600	100	BX			111	
L				49	R2			136	
D		12600	12890	98	BX			000	
L				83	R2			226	
D		12890	13400	99				010	
L				83	R2			127	

PLACER DOME INC.

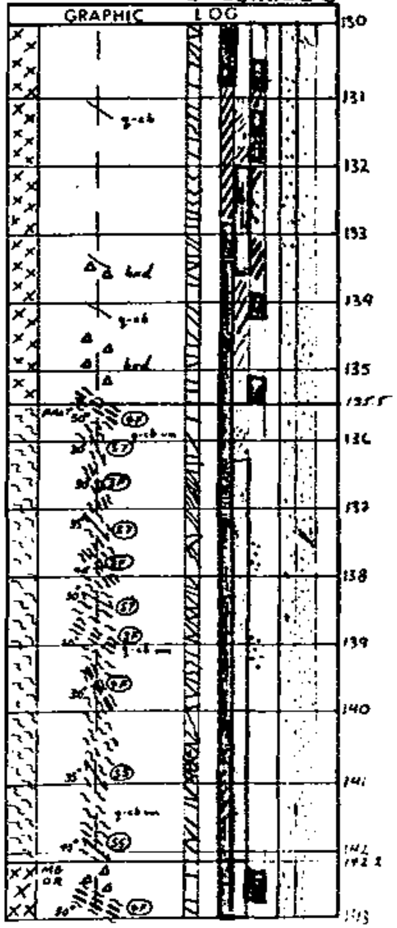
Geolog Form 3)

1	ID	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	BY	PAGE
1	DEN	680201	WIMAY NDH-04	SRF	12/13

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

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: CL CA SI KF P1 P2 P3 / EP SE SP CP LI MA

ROCK TYPE | VEINS | FR KP FRACTURES | ALTERATION (CL CB SI SE EP) | MINERALIZATION (PY CP) | METERAGE



DESCRIPTIVE REMARKS

(134.0-135.5) wk to mod. bon, some bon along frac, tr py, 0.2-0.5% qtz-carb vn.

(135.5 - 142.2) FAULT ZONE - faulted @ 30-50° ⊼ mod to strong assoc. shearing @ 30-50° brecciated qtz-carb vn, very chlt + carb'd, cont between fg dio + mg dio somewhere in this zone. Only tr diss py ⊼ patchy py @ 137.5

(135.5 - 137.0) large patches of qtz-carb vn (5mm) + some S' vlts (in place before shearing), 3-4% qtz-carb vn.

(137.0 - 138.0) 1-2% qtz-carb vn, @ 137.5 patchy + f.g. py assoc. ⊼ vn, 0.2-0.5% py.

(138.0 - 139.0) 3-4% qtz-carb vn, tr py.

(139.0 - 140.0) 1-2% " " " " "

(140.0 - 141.0) 0.5% " " " " "

(141.0 - 142.2) 3-4% " " " " "

(142.2 - 154.8) MEDIUM GRAINED DIORITE - as prev. desc. unit from 122.1-123.1. Some porphyritic sections (mafic xtls up to 6mm). Avg. size of mafics is 1-2 mm. Bnd. sections, rare qtz-carb stage, strongly chl'd, wk to strong patchy carb & sil'n, perv. wk ep. Tr diss py.

Code (1-4)	From (5-10)	To (11-16)	Recov / RQD (18-20)	T-MOD / R (21-23)	Rock / Sample No. (24-27)	QZ Veins / Fractures (43-46)	57-60	61-64	65-68	69-72
D	13400	13550	100	RX		001	P6 P+	Q=		
L			67	R1		123		P4		
A1	13400	13550			A401					
P	13550	14220			FALT		P7 P1	Q·	D·	
L							P·	P3		
D	13550	13900	100			000				
L			29	R1		347				
A1	13550	13700			A402					
D										
A1	13700	13800			A403				DX	L·
A1	13800	13900			A404					
D	13900	14220	85			001				
L			32	R1		25X				
A1	13900	14000			A405					
A1	14000	14100			A406					
A1	14100	14220			A407					
P	14220	15480			MGDR		PC P+	P=	D·	
L							P·	P4		
D	14220	14370	87			101			D*	
L			43	R2		113				
A1	14220	14300			A408					
A1	14300	14370			A409					

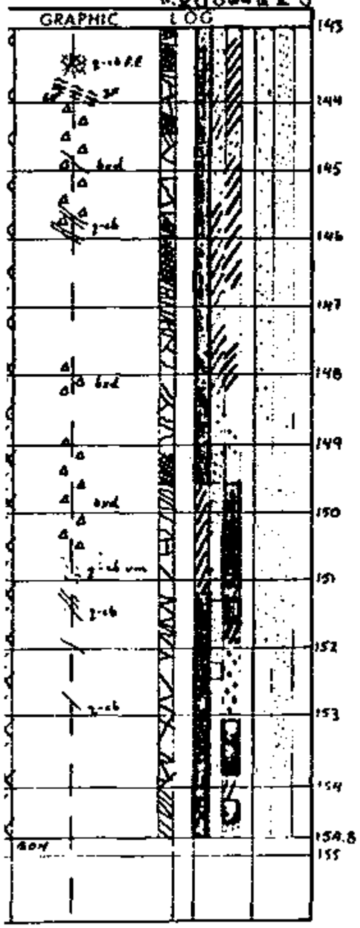
ACER
ME
:
olog Form 3)

IDEN680201	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	PAGE
	WINDY	DDH-04			SRF	13 / 1?

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

VEINS | FRACTURES | ALTERATION | PY MINERALIZATION | METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS	1	4	FROM (5-10)	TO (11-16)	RECOV / RQD (18-20)	T-MOD / ROCK (21-27)	QZ VEINS / FRACTURES (43-46)	FILL IN COLUMN HEADINGS FOR NA/XX TYPE HEADINGS (57-76): C L C B S I K F P I P2 P3 / E P S E S P C P L I M A
(142.8-143.0) partly ch. gouge @ 50°, bxd,	D		14370	14600	98	X	013	
strongly sil'd, 1-2% qtz-carb vns, tr diss py	L				54	R2	325	
(143.0-143.7) mod. sil'd, homogeneous grey	A	1	14370	14500		A410		
in colour, 3-4% hairline qtz-carb vlts,	A	1	14500	14600		A411		
slight increase in py to 0.2-0.5%								
(143.7-145.0) bxd, 0.5% qtz-carb vns, tr py								
(145.0-146.0) bxd, 4 qtz-carb vlts, tr py,								
tr hem along fractures								
(146.0-154.8) 0.2-0.5% hem along fractures	D		14600	14960	96		000	
	L				41	R1	2XX	
(149.6-151.7) strongly sil'd								
(150.5-151.7) 2-3% qtz-carb vns, tr diss py	D		14960	15300	95		112	P1
	L				82	R3	234	
	A	1	15050	15170		A412		
	A	1	15170	15300		A413		
(151.7-153.0) 1-2% qtz-carb vlts								
(153.0-153.6) strongly sil'd, tr py	D		15300	15480	97		010	P1
	L				65	R3	234	
	A	1	15300	15360		A414		
(153.6-154.0) strongly sil'd, 0.5-1.0%	D		15360	15400				<*
py as P.P.	A	1	15360	15400		A415		
	A	1	15400	15480		A416		
(154.0-154.8) str. sil'd, tr py								
(@ 154.8) END OF HOLE								

*** DRILL HOLE : DDH-04***

Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A330	5.80	6.20	0.40	0.1	2	5	7	
A331	6.20	8.00	1.80	0.1	6	3	6	
A332	8.00	9.00	1.00	0.1	5	3	14	
A333	9.00	10.00	1.00	0.1	1	3	13	
A334	10.00	11.50	1.50	0.1	3	40	140	
A335	11.50	14.00	2.50	0.1	7	3	206	
A336	14.00	16.00	2.00	0.1	7	3	270	
A337	16.00	18.00	2.00	0.1	6	3	53	
A338	18.00	19.00	1.00	0.1	4	3	56	
A339	19.00	20.00	1.00	0.1	3	3	30	
A340	20.00	21.00	1.00	0.1	6	3	91	
A341	26.00	26.30	0.30	0.1	3	20	7	
A342	28.50	29.00	0.50	0.1	7	3	87	
A343	29.00	30.80	1.80	0.1	8	3	76	
A344	30.80	31.60	0.80	0.3	23	15	137	
A345	31.60	32.90	1.30	0.1	27	25	174	
A346	32.90	33.40	0.50	0.1	48	40	117	
A347	33.40	34.00	0.60	0.1	43	5	174	
A348	34.00	35.00	1.00	0.1	17	30	180	
A349	35.00	36.00	1.00	0.1	8	30	91	
A350	36.00	37.00	1.00	0.1	14	30	128	
A351	38.20	40.20	2.00	0.1	10	50	74	
A352	40.20	40.60	0.40	0.1	6	25	54	
A353	40.60	42.30	1.70	0.1	2	35	89	
A354	42.30	42.80	0.50	0.1	15	45	90	
A355	42.80	43.80	1.00	0.1	2	3	61	
A356	46.00	47.00	1.00	0.1	8	3	97	
A357	50.30	51.70	1.40	0.1	4	3	51	
A358	51.70	53.10	1.40	0.1	7	3	95	
A359	56.60	57.20	0.60	0.1	7	3	167	
A360	57.20	58.30	1.10	0.1	7	3	226	
A361	58.30	59.10	0.80	0.1	1	3	86	
A362	59.10	60.00	0.90	0.1	6	3	145	
A363	60.00	61.00	1.00	0.1	18	60	150	
A364	61.00	62.60	1.60	0.1	10	3	177	
A365	62.60	63.60	1.00	0.1	5	55	100	
A366	63.60	65.00	1.40	0.1	5	3	153	
A367	65.00	65.70	0.70	0.3	31	3	291	
A368	65.70	66.40	0.70	0.7	61	35	460	
A369	66.40	68.40	2.00	0.1	8	20	59	
A370	68.40	69.60	1.20	0.5	18	25	1120	
A371	69.60	71.00	1.40	0.1	10	15	82	
A372	71.00	72.30	1.30	0.1	10	25	156	
A373	72.30	73.30	1.00	0.1	7	30	290	
A374	78.00	79.20	1.20	0.2	10	5	194	
A375	79.20	79.90	0.70	0.1	5	3	90	
A376	79.90	80.80	0.90	0.2	13	20	236	
A377	80.80	81.70	0.90	0.1	6	40	102	
A378	81.70	82.90	1.20	0.8	35	25	132	
A379	82.90	84.00	1.10	0.3	20	20	86	
A380	84.00	85.00	1.00	0.3	16	20	67	

*** DRILL HOLE : DDH-04***

Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A381	85.00	87.80	2.80	0.1	3	3	31	
A382	87.80	89.80	2.00	0.1	13	50	149	
A383	89.80	91.60	1.80	0.2	18	50	214	
A384	91.60	94.00	2.40	0.2	4	75	88	
A385	94.00	94.40	0.40	0.2	2	50	58	
A386	94.40	96.00	1.60	0.2	9	70	30	
A387	96.00	97.70	1.70	0.6	34	35	40	
A388	97.70	98.30	0.60	0.3	19	30	47	
A389	98.30	100.00	1.70	0.7	23	50	61	
A390	103.00	104.00	1.00	0.1	7	60	22	
A391	106.10	107.00	0.90	0.1	5	15	16	
A392	107.00	108.60	1.60	0.1	3	70	65	
A393	108.60	109.50	0.90	0.1	16	25	222	
A394	109.50	110.20	0.70	0.1	6	10	50	
A395	110.20	111.60	1.40	0.1	6	50	177	
A396	115.80	116.20	0.40	0.1	9	15	175	
A397	119.30	120.00	0.70	0.1	3	15	78	
A398	120.00	121.00	1.00	0.1	3	10	70	
A399	121.00	122.10	1.10	0.1	6	5	54	
A400	122.10	123.10	1.00	0.1	12	20	74	
A401	134.00	135.50	1.50	0.1	3	40	104	
A402	135.50	137.00	1.50	0.2	1	100	242	
A403	137.00	138.00	1.00	0.1	1	90	183	
A404	138.00	139.00	1.00	0.1	1	3	25	
A405	139.00	140.00	1.00	0.1	1	10	55	
A406	140.00	141.00	1.00	0.1	2	3	62	
A407	141.00	142.20	1.20	0.1	1	3	78	
A408	142.20	143.00	0.80	0.2	13	3	58	
A409	143.00	143.70	0.70	0.1	6	3	63	
A410	143.70	145.00	1.30	0.1	1	3	94	
A411	145.00	146.00	1.00	0.1	1	3	23	
A412	150.50	151.70	1.20	0.1	1	3	26	
A413	151.70	153.00	1.30	0.1	1	3	31	
A414	153.00	153.60	0.60	0.1	3	3	35	
A415	153.60	154.00	0.40	0.1	2	3	64	
A416	154.00	154.80	0.80	0.1	1	3	24	

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A6558	14.63	17.68	3.05	0.3	3	172
A6559	17.68	20.73	3.05	0.8	3	92
A6560	20.73	23.77	3.04	1.6	3	65
A6561	23.77	26.82	3.05	0.1	3	75
A6562	26.82	29.87	3.05	0.7	3	142
A6563	29.87	32.92	3.05	0.3	3	156
A6564	32.92	35.97	3.05	0.6	3	176
A6565	35.97	39.01	3.04	0.5	10	178
A6566	39.01	42.06	3.05	0.5	3	90
A6567	42.06	45.11	3.05	0.2	3	68
A6568	45.11	48.16	3.05	0.2	3	100

*** DRILL HOLE : DDH-04***

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A6569	48.16	52.21	4.05	0.1	3	58
A6570	52.21	54.25	2.04	0.2	3	87
A6571	54.25	57.30	3.05	0.2	10	96
A6572	57.30	60.35	3.05	0.4	15	147
A6573	60.35	63.40	3.05	2.2	3	186
A6574	63.40	66.45	3.05	0.6	10	353
A6575	66.45	69.49	3.04	1.2	3	430
A6576	69.49	72.54	3.05	1.2	3	117
A6577	72.54	75.59	3.05	0.3	3	157
A6578	75.59	78.64	3.05	0.1	10	161
A6579	78.64	81.69	3.05	0.2	10	170
A6580	81.69	84.73	3.04	0.5	3	142
A6581	84.73	87.78	3.05	0.2	3	128
A6582	87.78	90.83	3.05	0.3	5	239
A6583	90.83	93.88	3.05	0.4	10	190
A6584	93.88	96.93	3.05	0.6	50	114
A6585	96.93	99.97	3.04	1.0	55	103
A6586	99.97	103.02	3.05	0.4	3	57
A6587	103.02	106.07	3.05	0.9	15	93
A6588	106.07	109.12	3.05	0.4	3	61
A6589	109.12	112.17	3.05	0.4	30	107
A6590	112.17	115.21	3.04	0.2	10	115
A6591	115.21	118.26	3.05	0.3	3	143
A6592	118.26	121.31	3.05	0.2	3	103
A6593	121.31	124.36	3.05	0.3	75	96
A6594	124.36	127.41	3.05	0.3	3	110
A6595	127.41	130.45	3.04	0.2	3	108
A6596	130.45	133.50	3.05	0.1	3	87
A6597	133.50	136.55	3.05	0.1	10	123
A6598	136.55	139.60	3.05	0.1	305	151
A6599	139.60	142.65	3.05	0.1	45	82
A6600	142.65	145.69	3.04	0.1	35	95
A6601	145.69	148.74	3.05	0.7	30	154
A6602	148.74	151.79	3.05	0.1	10	114
A6603	151.79	154.80	3.01	0.1	5	72

PLACER DOME INC. GEOLOG DRILLHOLE HEADER FORM

DRILLHOLE HEADER CARDS FILL OUT ONCE PER HOLE

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	YR.	BY	ASS'D BY	DRILLER(S)	DRILLED MONTH	YR.	RIG TYPE	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6807	01	U-216	DDH-05		AUG	89	SRF								GRD	0.00	01	16

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

Card	TURNING PT 000=Collar	FROM	TO	MT or FT	TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FR. TRUE N	V-ANG.	NEG. IF DOWN	NORTHING	NEG. IF SOUTH	EASTING	NEG. IF WEST	ELEVATION	NEG. IF SUB-SEA
S	000	0.00	203.60	MT	.	090.00		-45.00		1129.00		95.20		1071.00	

↑ Drillhole coordinate system units

Card	RECOVERY	T-MOD	ROCK	TM 1	TM 2	OM 1	TX 1	TX 2	GRAIN CC %C MTP		Rc	BI	STRUC. 1D	STRIKE AZM	DIP TO RT OR PLUNGE	ALTERATION AND MINERAL SUITES (See Note 4 → TO DEFINE HOW AND AMOUNT FIELDS ST'D)	OPEN FIELD
INAM																CL CB SI MA AI P7 A3	

Card	RQD	AGE FORM-N	ENVIR.	LC COLOUR	TM 3	OM 2	TX 3	TX 4	SR	RN		FRACTURES SIMIL. Ind.	BI	BT	STRU 2 ID.	AZM	DIP TORT	(FILL IN COLUMN HEADINGS USED)	OPEN FIELD (if desired)
LNAM																		EP SE SP . GA LI MA	

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

Card	UNIT OF LENGTH	UNIT OF RECOVERY	
ISCL	1 . 2	.	

Card	UNIT OF RQD	CCTM or LB Ha
LSCL	.	

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

FILL OUT IF REQUIRED — CROSS OUT IF NOT REQUIRED

Card	TURNING PT 000=Collar	FROM	TO		TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FR. TRUE N	V-ANG.	NEG. IF DOWN
S	001				.		.		.
S	002				.		.		.
S	003				.		.		.
S	004				.		.		.
S	005				.		.		.
S	006				.		.		.

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

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

A00 ← Assay File No. (Typically 1.)

AUMM ← ASSAY FIELD NAMES SEE NOTE 2 →

ALAB
ATYP
AMTH

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

SAMPLE ASSAY RECORDS

Card	FROM	TO	RECOVERY	(Sample Serial No.)	A1	A2	A3	A4	A5	A6	A7	A8	A9
A00													
A00													
A00													
A00													

Assay File Definition Number, Typically A001.

Notes

1 - Do not change INAM, LNAM, ISCL, LSCL, or AUMM card definitions during a project. Blanks may be changed however.

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 ISCL card are for downhole distances.

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.

PLACER DOME INC.

(Geolog Form 3)

IDEN	Unique ID of project	Drill hole / traverse	By	Page
IDEN 680201	W/WOY	DDH-05	SRF	02/16

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

Column headings: 1 4 | FROM (5–10) | TO (11–16) | RECOV (18–20) | F-MOD (21–23) | ROCK (24–27) | QZ VEINS (43–46) | FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS (57–76)

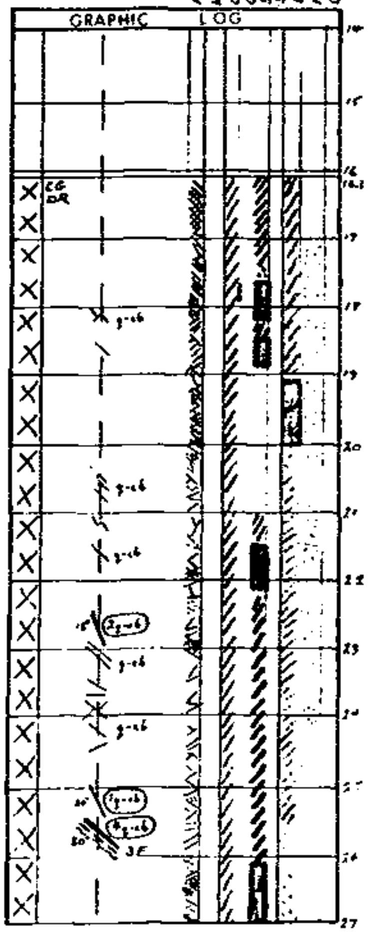
/ : 57–58 CL, 59–60 CB, 61–62 SI, 63–64 KF, 65–66 P1, 67–68 P2, 69–70 P3

RQD | CS | CS | FRACTURES: 57–58 EP, 59–60 SE, 61–62 SP, 65–66 CP, 67–68 LI, 69–70 MA

A

ROCK TYPE | VEINS | FR KP FRACTURES | CL GB SI SE ALTERATION | EP PY CP MINERALIZATION | METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

(0.0–16.1) OVERBURDEN

(16.1–) COARSE GRAINED DIORITE – Beige (slightly alt'd) to white (sil'd) to dark green (chl'd) to epidote green. H= 3.5 (unalt'd). Unit is massive to wkly chl'd to strongly chl'd. Very large unit [illegible] grad. changes to porphyritic or m.g. diorite but only for short intervals. Unit usually has 30-35% sub mafic xtls [illegible] avg size .2-3mm in 65-70% PF matrix. Difficult to distinguish individual PF xtls [illegible] exception of occ lath. M.G. diorite occurs when avg mafic xtl size is 1mm. Porphyritic sections have 30-35% anh-sub xtls [illegible] avg size up to 3-6 mm; feldspar xtls are easily dist. + occur as rubbed in shape to laths with avg size 1-2mm.

Alt'n is extensive. Mod to strong chl + sec, wk to strong epidote, sil'n + carb alt'n.

Occ qtz-carb stgs + vns.

Tr py [illegible] with exceptions at areas [illegible] sil'n + veining. Rare cpy.

(21.0–21.5) mod to strongly sil'd, 1% qtz-carb f.f., py at f.f. along one fract. which only cuts halfway across core. 0.2–0.5 % py

(23.8–24.2) 1–2% qtz-carb vlts, 0.2–0.5 % diss py

(25.3–25.9) 4 cm qtz-carb vn, sh, 50°, [illegible], [illegible] is [illegible] fault gouge @ 50°, 5 cm, tr py

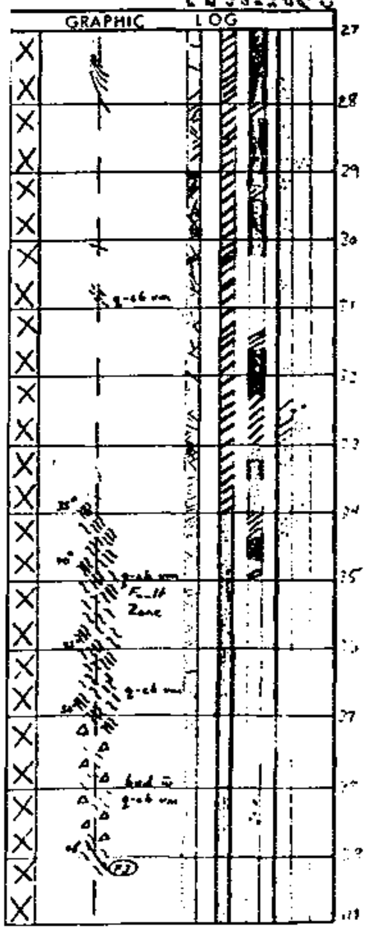
1	4	FROM (5–10)	TO (11–16)	RECOV (18–20)	21–23	ROCK (24–27)	43–46	57–58	61–62	65–66	69–70
P		0000	1610			OVBD					
P		1610				CGDR				D·	
D		1610	1880	87			010	P3	P1		
L				19	R3		XXX	P+	P7		
D		1880	2100	84			010	P3	P0		
L				14	R2		XXX	P=	P7		
D		2100	2420	79			133	P3	P1		
L				25	R2		247	P+	P7		
D		2100	2150								<*
A1		2100	2150								
D		2380	2420							O*	
A1		2380	2420								
D		2420	2720	90			110	P3	P1		
L				32	R3		256	P)	P7		
A1		2530	2590								

LACER
OME
NC.

Geolog Form 3)

IDEN680201	UNIQUE ID OF PROJECT: WIWDV	DRILL HOLE / TRAVERSE: DDH-05	SIZE OF CORE	LOGGED	BY: SRF	ASST'D	DRILLER(S)	MONTH	YEAR	PAGE: 03/16
S	DRILL COORD. SYSTEM UNITS	M/F: T	TOTAL DEPTH/LENGTH	AZM	V. ANG	NORTHING	EASTING	ELEVATION		

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



FILL IN COLUMN HEADINGS FOR HA/XR TYPE HEADINGS: CL CB SI KF PI P2 P3 / EP JE SP CP LI MA

DESCRIPTIVE REMARKS	1-4	FROM (5-10)	TO (11-16)	RECOV. / RQD (18-22)	ROCK (23-27)	QZ VEINS / FRACTURES (43-46)	57-58	59-60	61-62	71-72
(27.2-28.0) strongly sil'd, 1% qtz-carb as f.f., tr py	D	2720	3020	85		22 2	P3		P2	
	L			37 R2		34 2	Q.		P5	
	A1	2720	2800		A420					
	D	3020	3400	18		3 4 2	P3	Q*	Q=	
	L			22 R2		2 4 2	Q.		P7	
(33.0-34.0) patchy strong carb + silic, 0.2% qtz-carb as ff., tr diss py	A1	3300	3400		A421					
(34.0-37.0) FAULT ZONE - partly fault gouge @ 35-50° with 30% subrounded sil'd frags which have 35-40% qtz-carb f.f. within them. Tr diss py within frags + gouge. Considerable lost core (47% recov.)	N	3400	3700	47	XFALT	1 2 2	P6	Q+	Q+	
	L			9 R1		1 2 2	Q.		P4	
	A1	3400	3550		A422					
	A1	3550	3700		A423					
(37.0-39.0) bxn, 2-3% qtz-carb vn, 0.5% hem as f.f., tr diss py	D	3700	3900	40		2 1 0	P7	Q*	Q.	NE
	L			20 R1		2 2 2			P3	<*
	A1	3700	3900		A424					
(39.0-41.0) massive + fractured c 1% qtz-carb as ff., tr diss py, tr hem along f.	D	3900	4300	60		3 2 1	P4	Q.	Q=	NE
	L			15 R2		4 3 3	Q.		P6	<.
	A1	3900	4100		A425					

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	ENTIRE - HOLE	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE
TDEN680201 W/WOH	OOW-05		SRF										OW/6

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

ROCK TYPE | VEINS | FRACTURES CL CB // ALTERATION MINERALIZATION | METERAGE

GRAPHIC LOG

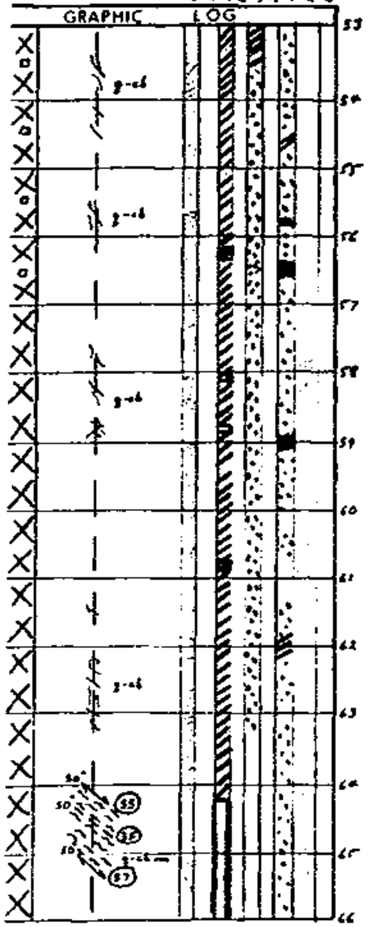
DESCRIPTIVE REMARKS	A	FROM	TO	RECOV	ST-MOD	% MIN	ROCK	QZ VEINS	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
									C L C B S I K F A1 A2 P3
				RQD	CS		CS	FRACTURES	E P S E S P C P L I M A
				RECOV	SS-Sample Serial No.				
(41.0 - 42.0) 2-4% gtz-carb ff, tr py	A1	41.00	43.00				A426		
(43.0 - 45.0) 2-3% gtz-carb ff, tr py	D	43.00	46.00	56				432	P7 Q· Q·
	L			9	R2			132	Q· P3
	A1	43.00	45.00				A427		
(45.0 - 47.0) 1% gtz-carb ff, tr py	A1	45.00	47.00				A428		
	D	46.00	49.00	79				333	P7 Q· Q·
	L			18	R2			334	Q· P3
(47.0 - 48.6) @ 47.2 1cm of fault gouge @ 40°, @ 48.0 10cm of gouge @ 20°; interval = 1-2% gtz-carb ff, tr disc py	A1	47.00	48.60				A429		
(48.6 - 49.0) 2-3% 1cm ea ff, 3-4% gtz-carb ea ff, 0.2-0.5% py ea ff	D	48.60	49.00						<1% HE
	L								
	A1	48.60	49.00				A430		
(49.0 - 50.0) 1% gtz-carb ea ff, tr py	D	49.00	52.00	37				211	P8 Q· Q= HE
(50.0 - 50.8) FAULT ZONE - pasty fault gouge @ 50°, very clay, 10% gtz-carb vns, tr py	L			11	R2			1-2	QX P2
	A1	49.00	52.00				A431		
	N	50.00	50.80				FAULT		
(50.8 - 52.0) milky byd, 1% gtz-carb ea ff, 0.5% ea ff, tr py	L	50.80	52.00		BX				
	D								
(52.0 - 53.0) massive, 0.5% 1cm ea ff, 0.2-0.5% gtz-carb ea ff, tr py	D	52.00	55.00	45				320	P4 P+
				7	R2			212	P= P6
	A1	52.00	53.00				A432		

PLACER DOME INC.
(Geolog Form 3)

I O E N 6 B 0 2 0 1	UNIQUE ID OF PROJECT: WINDY	DRILL HOLE / TRAVERSE: DDH-05	SIZE OF CORE	LOGGED	BY: SRF	ASST.	DRILLER(S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED SYSTEM	PAGE: 05 / 16
S	DRILL COORD SYSTEM UNITS	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION					

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

GRAPHIC LOG



Code (1-4)	FROM (7-10)	TO (13-16)	RECOV / RQD (18-20)	T-MOD / CS (21-23)	ROCK (24-27)	QZ VEINS / FRACTURES (43-46)	CL / EP (57-58)	CB / SE (59-60)	SI / SP (61-62)	KF (63-64)	PI / CP (65-66)	PZ / LI (67-68)	P3 / MA (69-70)	(71-72)
N	5700	5700			PPDR									
A1	5300	5500			A433									
D	5500	5800	46			322	P4		P+					HE
L			10	R2		332	P+		P6					<.
A1	5500	5700			A434									
D	5800	6100	43			321	P4		P+					HE
L			6	R2		233	P+		P6					<.
D	6100	6400	57			330	P4		P+					HE
L			9	R2		334	P+		P6					<#
A1	6200	6400			A435									
D	6400	6520	67	56	SHER	000	P7							
L			75	R2		023	P+		P3					
A1	6400	6520			A436									
D	6520	7000	58			001	P4		Q					HE
L			1	R2		XXX	P+		P6					<.

DESCRIPTIVE REMARKS

(52.0-57.0) Porphyritic - mafic xtls increase to an avg size of 4mm, 35-40% of interval; 1% qtz-carb f.f., 0.5% hem along f.f.s, tr diss py

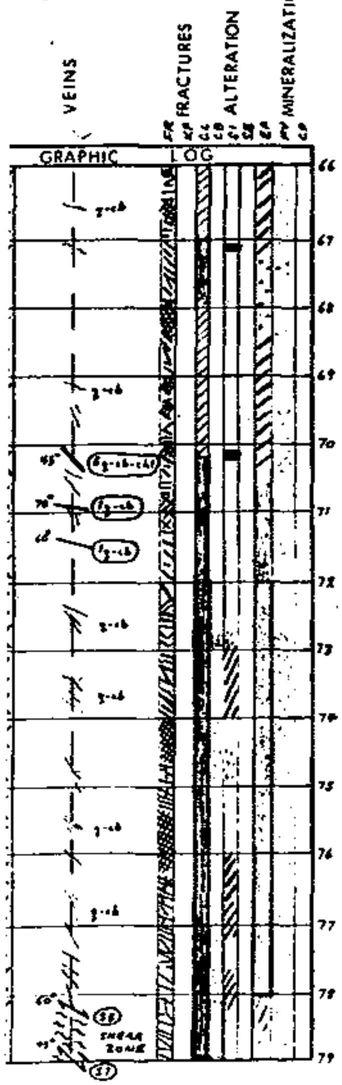
(62.0-64.0) 1-2% qtz-carb f.f., 0.5% hem as f.f., tr diss py

(64.0-65.2) SHEAR ZONE - mod. to strongly chl'd @ 50° with 2cm of pcty gouge @ 64.4. 3-4% qtz-carb vns, very chlic, tr diss py

ACER
ME
:.
olog Form 3)

1	D	E	N	6	8	0	2	0	1	UNIQUE ID OF PROJECT: WINDY	DRILL HOLE / TRAVERSE: DDH-05T	SIZE OF CORE	LOGGED	BY: SRA	ASST. ID	DRILLER(S)	MONTH	YEAR	TYPE	TIME-HRS	PAGE: 06/16
S	DRILLCOORD SYSTEM UNITS	M/F: T	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION													

		FROM	TO	RECOV	T-MOD / M/O	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 I P 2 P 3
				RQD	C S	E S	FRACTURES S/M/L/TOT	
L								E P S E S P C P L I H A
				RECOV	SS: Sample Serial No.	27	28 29 30 31 32	



DESCRIPTIVE REMARKS	1	4	FROM	TO	18-20	21-23	24-27	43-46	57-60	61-62
(69.0-70.0) mod epi alt'n, 0.2-0.5% qtz-carb f.f., tr diss py	A	1	69.00	70.00			A437			
(70.0-71.0) Strong qtz-carb-chl vn, sh, 45°, tr sub py xtls at conts; bx	D		70.00	73.70	78			111	P4Q·	Q7
w 3% qtz-carb vn mat, tr diss py	L				28	R2		247	P=	P6
	A	1	70.00	71.00			A438			
(73.7-74.2) strongly chl'd, 0.5-1.0% qtz-carb as f.f., 1.0-2.0% py as blebs	D		73.70	75.00	82			020	P6Q*	Q*
+ sub xtls, 0.5% hem along f.f.	L				19	R2		205	P=	P4
	A	1	73.70	74.20			A439			
(74.2-75.0) strongly chl'd, 1-2% qtz-carb as f.f., 0.5-1.0% py as sub xtls, 0.2-0.5% hem along fcs	A	1	74.20	75.00			A440			
	D		75.00	78.20	75			231	P4Q*	Q*
	L				40	R3		226	P=	P6
(78.2-83.5) SHEAR ZONE - mod to strongly sh'd @ 30-45°, 65° from 78.3 to 78.6. Strongly carb'd 2-3% qtz-carb vm; occ. qtz-carb sh vns, 1 to 3 cm wide, tr diss py	D		78.20	83.50	89	S7		022	P7P=	Q·
	L				32	R3		457		P3
	D		78.20	79.00						
	L								P*	
	A		78.20	79.00			A441			

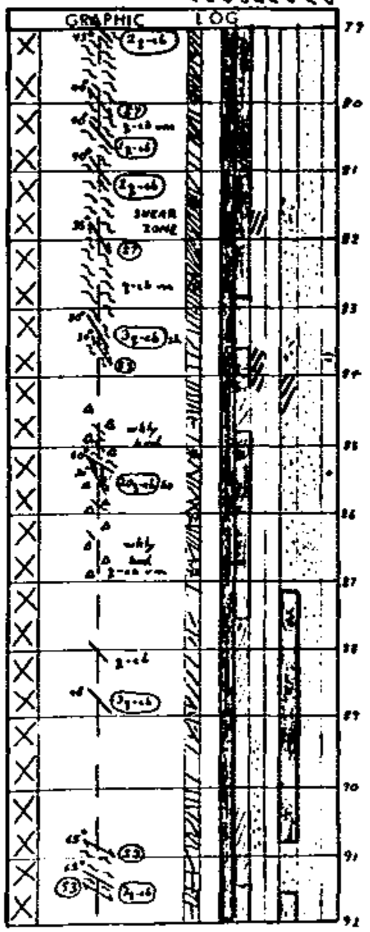
PLACER DOME INC.

Geolog Form 3)

IDEN 680201	UNIQUE ID OF PROJECT: W/WOY	DRILL HOLE / TRAVERSE: DDH-05	SIZE OF CORE	LOGGED	BY: SRF	ASST.	DRILLER (S)	MONTH / YEAR	TYPE / TIME / HRS / SURVEYED / SYSTEM / GRID AZIMUTH	PAGE: 07/16
S	DRILL COORD SYSTEM UNITS	M/F: T	TOTAL DEPTH/LENGTH .	AZM .	V ANG .	NORTHING .	EASTING .	ELEVATION .		

I	4	FROM (5–10)	TO (11–16)	RECOV. (18–20)	T-MOD (21–23)	ROCK (24–27)	QZ VEINS S M L tot (43–46)	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS (57–76)
/								CLCBSIKFPIP2P3
				RQD	CS	C6	FRACTURES	
L								EPSESP CPLIMA
				RECOV	SS Sample Serial No. (21–27)		28 29 30 31 32	

GRAPHIC LOG — ROCK TYPE | VEINS | FRACTURES | ALTERATION | MINERALIZATION | METERAGE



DESCRIPTIVE REMARKS	1	4	FROM	TO	18–20	21–23	24–27	43–46	57–64	65–76
	D		79.00	81.50						
									PO	
	A	1	79.00	80.00			A442			
	A	1	80.00	80.80			A443			
	A	1	80.80	82.00			A444			
	D		81.50	83.50						
									P✕	
	A	1	82.00	83.00			A445			
	A	1	83.00	83.50			A446			
	D		83.50	87.00	96			202	P7P=Q·	
					48	R2		237	P4 P3	
(83.5-84.0) mostly fract'd c̄ 0.5% qtz-carb	D		83.50	84.00						OO HE
as ff, tr cpy along fr, tr hem,	L									<· <·
no visible py.	A	1	83.50	84.00			A447			
(84.0-85.0) 0.5% qtz-carb as ff, wkly bed	A	1	84.00	85.00			A448			
(85.0-85.5) 20 cm qtz-carb vn, brittle	N		85.10	85.50		BS4VEIN				
chan, sh'd cnt @ 50° + tensional cnt	L									B·
@ 30°, qtz-carb frags @ tens cnt, no	A	1	85.00	85.50			A449			
py but one cpy blob; hc is wkly	D		85.50	86.00						U+
sh'd @ 50° to wkly bed, 0.5% cu py xtls.	A	1	85.50	86.00			A450			
(85.5-86.0) 2-3% cu py xtls	A	1	86.00	87.00			A451			
(86.0-87.0) wkly bed, chl'c, 0.5% qtz-										
carb as ff	D		87.00	90.70	89			222	P4Q+Q·	
	L				74	R2		235	P1 P6	
	A	1	88.50	88.90			A452			
(88.8-88.9) 3cm qtz-carb vn, ten, 40°,										
tr py; hc ≥ tr py concen along vn										
cnt, 2-3% qtz-carb ff assoc with										
0.2-0.5% cub py xtls										
	D		90.70	93.00	96			012	P6P+Q·	
(90.7-91.5) wkly sh'd @ 65°, difficult to distinguish	L				35	R2		323	P+ P4	
orig xtls, strongly c/l'd, one 3cm	D		90.70	91.50		53			P7	B·
qtz-carb vn, sh, 65°, one py blob	A	1	90.70	91.50			A453			

PLACER DOME INC.

(Geolog Form 3)

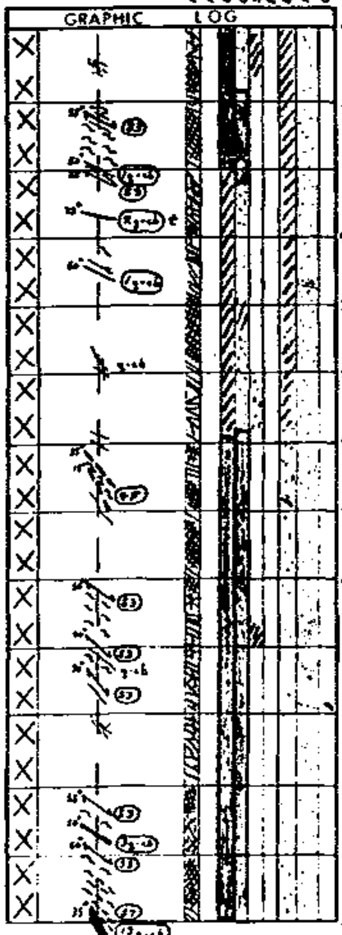
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED BY	ASS'T D	DRILLER(S)	MONTH / YEAR
IDEN680201 WINDY	DDH-05		SRF			08/76

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

	FROM	TO	RECOV	T-MOD	% MSD	ROCK	QZ VEINS	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1 4	5–10	11–16	18–20	21–22	23	24–27	43–46	57–76
/								CL CB SI KF P1 P2 P3
			RQD	CS		ES	FRACTURES	
L								EP SE SP CP LI MA
			RECOV	SS: Sample Serial No		27 28 29 30 31 32		

ROCK TYPE — VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE

GRAPHIC LOG



Meterage: 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105

DESCRIPTIVE REMARKS

(93.0 - 94.0) wkly sh'd @ 50-55°, 0.5% qz vns, tr diss py

(94.0 - 95.4) 1-2% qz as f.f., tr py

(95.4 - 95.7) large vn // by bm f.f., tr % of diss py between, 0.2-0.5% diss py for interval

(98.0 - 99.0) 30cm of pasty fault gouge w 10% sil'd frags; interval w 3-4% qz as f.f., tr py

(100.0 - 101.8) wkly sh'd @ 30-50°

(100.6 - 101.8) 2-3% qtz-carb as f.f., 0.2-0.5% diss py assoc w silic

(101.8 - 102.2) tr diss py, one blob of cpy

(103.0 - 106.1) SHEAR ZONE - wk to strongly sh'd @ 50-75°, chl'c, increased qz + py

(103.0 - 104.0) 3cm qz vn, 50°, chl, unmin; hr w tr diss py + 0.2% sub py xtls

(104.0 - 104.7) 1% qz vn, 0.2-0.5% sub py xtls

(104.7 - 105.2) 13cm qz vn, chl, 35°? - vn looks folded, 30-35% chl, 1-2% diss py; hr w 5-10% qz vn, 0.5-1% diss py mainly @ vn conts.

1 4	5–10	11–16	18–20	21–22	23–27	43–46	57–60	61–64	65–76
D	9300	9400	44	S3		002	P6 P=		
L			0	R2		116	P)	P4	
A1	9300	9400			A454				
D	9400	9800	85			213	P+ P)	Q·	HE
L			14	R2		34X	P)	P6	L·
A1	9400	9540			A455				
D	9540	9570							D*
A1	9540	9570			A456				
D	9800	10060	86			102	P6 P=		
L			1	R1		XXX	P*	P4	
A1	9800	9900			A457				
N	9830	9860			XFALT				
A1	9900	10060			A458				
D	10000	10180		S3					
D	10060	10300	88			22X	P6 P=	Q·	
L			44	R2		211	P*	P4	
D	10060	10180							D*
A1	10060	10180			A459				
D	10180	10220							
L									B·
A1	10180	10220			A460				
A1	10240	10300			A461				
D	10300	10610	84	S5		232	P7 P=		
L			05	R1		XXX	P*	P3	
A1	10300	10400			A462				
A1	10400	10470			A463				
N	10470	10520		SH	7VEIN				
A1	10470	10520			A464				

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(Geolog Form 3)

IDEN	Unique ID of Project	Drill Hole / Traverse	Logged By	Page
680201	WINDY	DDH-05	SRF	09/16

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

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: CL CB SI KF P1 P2 P3 / EP SE SP CP LI MA

ROCK TYPE — VEINS — GRAPHIC LOG — FR / KF FRACTURES — CL CB SI ALTERATION SE EP — PY CP MINERALIZATION — METERAGE (105–118)

DESCRIPTIVE REMARKS

(105.2 - 105.5) 4-5% qz vn, tr sub py xtls
(105.5 - 105.8) 13 cm qz vn, sh, 65°, 7-8% chl, tr diss py in chl'c frags; hc ≈ 7-8% qz vn & tr diss py
(105.8 - 106.1) 5-6% qz vn, tr diss py along ch planes & tr euhed py
(106.8 - 107.9) modly chl'd @ 80°

(108.0 - 108.4) 15% qz as ff, 2-3% hem as ff, tr diss py

(109.0 - 109.6) 3 cm qz vn, barren, 65°, ... ; hc ≈ 0.5% qz ff & 0.2-0.5% eu py

(110.5 - 116.0) tr hem along fr

(114.0 - 114.7) zone of clay & hem, 2 cm of pasty gouge @ 50°, 6-7% qz as ff, chl as ff, tr diss py
(114.7 - 116.2) 2-3% qz as ff, tr diss py

(117.7 - 118.2) INTERMEDIATE DYKE = light green, ..., fine PF laths & xtls (<1mm) in a very f.g. matrix. Dyke is msv, ... hairline fr filled with qz, hem & chl. 80% PF, 20% mat. Mod chl, ser & ep alt'n, ...

Code (1–4)	From (5–10)	To (11–16)	Recov / RQD (18–20)	T-Mod / SS Sample (21–23)	Rock (24–27)	Qz Veins / Fractures (43–46)	57–62	67–72
D	10520	10550						U.
N	10550	10580		SH6	VEIA			U.
A1	10520	10550			A465			
A1	10550	10580			A466			
D	10610	10960	74			223	P7P)	
L			08	R1		XXX	Q. P3	
A1	10580	10610			A467			
D	10680	10790		SS				
D	10800	10840						HE
L								<+
A1	10800	10840			A468			
N	10900	10960		TN=	VEIN			U*
A1	10900	10960			A469			
D	10960	11400	98			211	PS	HE
			40	R2		555	P+ P5	<.
D	11400	11770	86			322	P4Q+Q*	
			30	R2		757	P+ P6	
D	11400	11470		BX			P+P=	
A1	11400	11470			A470			
A1	11470	11620			A471			
P	11770	11820	100		LM/10	132	P2P=	
L			24	R2		233	P> P8	
A1	11770	11820			A472			

PLACER DOME INC.

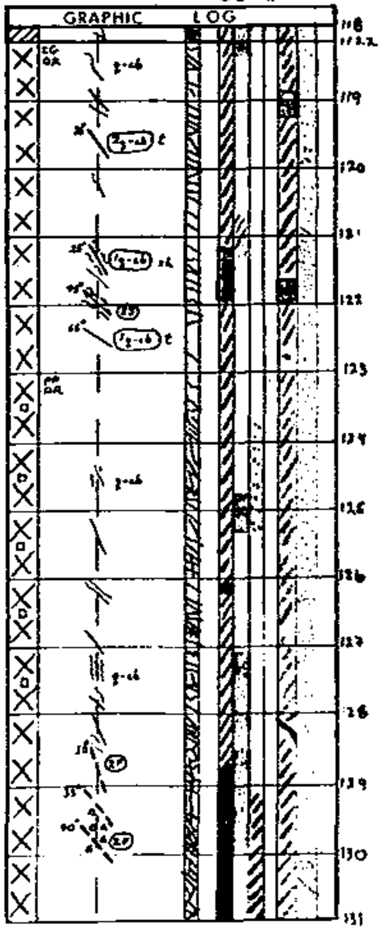
(Geolog Form 3)

1	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	BY	PAGE
DEN680201	LIMNY	DDH-05	SRF	10/16

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

ROCK TYPE — VEINS — FR / KFRACTURES — ALTERATION — MINERALIZATION — METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

(@ 119.7) 2cm qz vn, 20°, t, vuggy; bc assoc w/ tr py @ vn cut

(121.1-122.9) 1cm qz vn, 90°, sh, bc hem, vuggy; bc very wkly chld near vein with concentration of diss py ~ 0.5-2.0%

(122.9-127.4) diorite has grad. changed to porphyritic ~ 30 to 35% mafic xtls w/ avg size 4-5mm

(126.0-126.4) 2 qz stgs assoc w/ strong chlrz + diss py - interval w/ 1% qz as ff + 0.2-0.5% diss py

(128.4-130.0) minor fault gouges @ 20-40° + wk bxa. Mod. silic assoc w/ bxa, 2-3% qz as ff, 0.2-0.5% diss py

(130.0-131.0) highly chld, mod silic, 0.2-0.5% qz stgs, 0.2-0.5% diss py + tr as ff.

FROM — TO — RECOV — ROCK — QZ VEINS — FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: CL CR SI KE P1 P2 P3 / RQD CS / FRACTURES FP SE SP CP LI HA

1	FROM (5-10)	TO (11-16)	RECOV / RQD (18-20)	21-23	24-27	43-46	57-58	59-60	61-62	65-66	69-70
D	11820	12110	95			121	P3	Q*			
L			69	R3		245	P)		P7		
D	12110	12290	96			121	P3	Q·			
L			80	R3		023	P)		P7		
D	12110	12150					P5			D*	
A1	12110	12150		A	473						
N	12290	12740	94	X	APDR	232	P3	Q*	Q*		
L			26	R2		567	P)		P7		
D	12600	12640								D*	
A1	12600	12640		A	474						
D	12740	13000	26			432	P7	P=	Q)		
L			27	R2		YXX	P)		P3		
D	12840	13000		BX						D*	
A1	12840	13000		A	475						
D	13000	13350	74			171	P6	P+	Q+		
L			07	R1		XXX	P+		P4		
D	13000	13100								D*	<·
A1	13000	13100		A6	101						

PLACER DOME INC.

(Geolog Form 3)

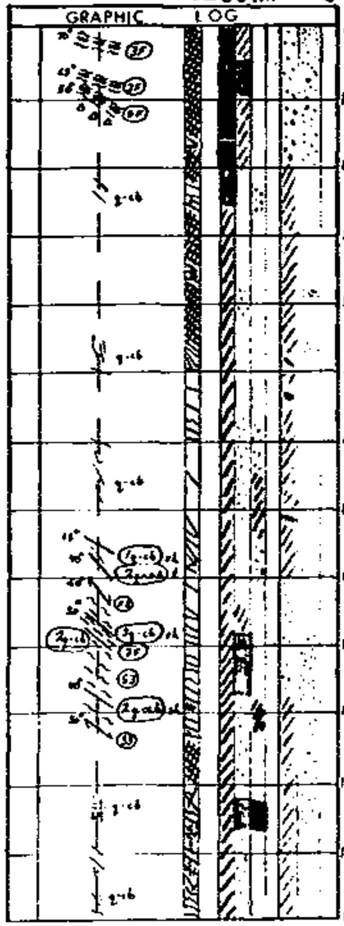
IDEN	Unique ID of project	Drill hole / traverse	Size of core	Logged	By	Page
IDEN 680201	WINDY	DDH-05			SRF	11/16

Drill coord system units	M/F	Total depth/length	Azm	V ang	Northing	Easting	Elevation
S	T	.	.	.	.	.	.

Column headings (HA/XX type): CL CB SI KF P1 P2 P3 / EP SE SP CP LI MA

ROCK TYPE | VEINS | FR / KF FRACTURES | ALTERATION | MINERALIZATION | METERAGE

GRAPHIC LOG



131
132
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144

DESCRIPTIVE REMARKS	Card	From	To	Recov / RQD	Rock / Sample No.	Qz veins / Fractures	Fill (57–64)	Fill (65–76)
(131.0 - 132.4) fault gouges @ 50-70°, strongly chl'd,	D	131.00	132.40					DX
some hem, 0.2-0.5% diss py	A1	131.00	132.40		A6102			
(133.5 - 143.2) tr hem along fractures	D	133.50	136.50	89		1 1 1	P3 Q.	HE
	L			26	R2	X X X	P+ P7	<·
	D	136.50	139.20	97		1 2 1	P4 Q) P+	HE
	L			88	R3	2 3 3	P+ P6	<·
(139.2 - 139.6) wkly fol'd @ 40°	D	139.20	141.40	92	S4	4 5 3	P7 P= Q)	
	L			39	R2	8 7 7	P) P3	
	A1	139.60	140.00		A6103			
(139.6 - 140.0) 3 cm qz vn, 60°, sh, 30-35% chl,	D	140.00	141.40					
unmin, in contact w fault gouge @ 50°,	A1	140.00	141.40		A6104			
2 cm wide; hem w 5-7% qz vn, tr py								
(140.0 - 141.4) wk to mod S.Z. @ 50°, strongly								
carb'd, patchy sil'n, one 2 cm qz vn,	D	141.40	145.20	89		4 5 3	P4 P+ Q4	HE
50°, sh, unmin; 0.2-0.5% py as	L			23	R2	X X X	P+ P6	<·
diss + as ff.								
(142.2 - 142.7) zone of sil'n + carb'n, highly	A1	142.20	142.70		A6105			
fractured with qz ff, tr diss py								

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Geolog Form 3)

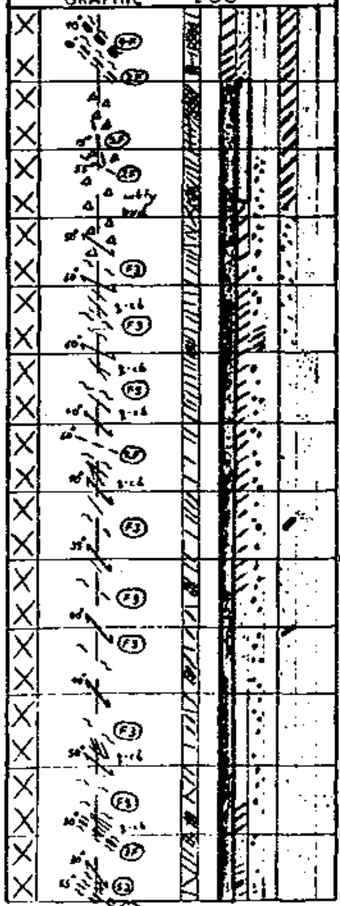
IDEN680201	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASS'T	DRILLER(S)	MONTH	YEAR	TYPE	TIME - HRS	SURVEYED	SYSTEM	GRID	AZIMUTH	PAGE
	WINNY	DDH-05			SRF											12/16

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

	FROM	TO	RECOV / RQD	T-MOD / CS	% MOD	ROCK	QZ VEINS / FRACTURES	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1								CL CB SI KF P1 P2 P3
L			RQD	CS		~~CG~~		EP SE SP CP LI MA

ROCK TYPE | VEINS | FR | KF FRACTURES | CL | CB | ALTERATION | SI | SE | EP | PY MINERALIZATION | CP | METERAGE

GRAPHIC LOG



144
145
146
147
148
149
150
151
152
153
154
155
156
157

DESCRIPTIVE REMARKS

(144.?-144.8) 10cm + 2cm fault gouge @ 40°, bx only slightly fold @ cntc, remain
(144.8-146.8) two 1cm fault gouges @ 15° + 55°, bx is bed + fractured, very chl'c + carb'd, only 1% qz as vn + ff, tr py

(146.8-147.6) wkly bed, glassy gouge w frags sil'd + vn gouge mat. to selected sil'd chl'c mat., tr py

(147.6-156.0) wkly fold @ 40-60°, bed @ 147.6, 1cm fault gouge @ 150.3 (60°) + 4cm gouge @ 156.0 (50°)
(148.7-149.2) mod'ly sil'd & wkly fold, 3-4% qz as ff. mainly at lower alt'n cnt + assoc w slight inc. in py
(149.2-155.3) < 1% qz stgs

(155.3-155.8) wk sil'd, fractured w 7-8% chl, 2-3% qz as ff, 0.2-0.5% cpy, tr diss py
(155.8-156.1) foln has increased from wk to mod - slightly sil'd w 5-6% qz vn, 1cm of gouge @ 50°, tr py
(156.1-158.1) mod to wkly chl'd @ 30°, 1cm of gouge @ 55°, 2-3% qz stgs + vn, tr diss py

A	4	FROM (5–10)	TO (11–16)	18–20	21–23	24–27	43–46	57–58	59–60	61–62	63–76
D		14520	14760	83	8X		211	P6	P=	Q)	
L				02	R1		XXX	P+		P4	
A	1	14520	14680		A6	106					
D		14760	15100	100	F3		230	P6	P+	PX	
L				50	R2		036	P)		P4	
D		15100	15530	98	F3		130	P6	Q)	PX	
L				65	R2		353	P)		P4	
D		15530	15810	93			313	P6	Q)	PX	
L				50	R2		225	P)		P4	
D		15530	15540								BX
D		15540	15610		F5						
A	1	15530	15610		A6	101					
D		15610	15810		F3						
A	1	15610	15810		A6	110					

PLACER DOME INC.

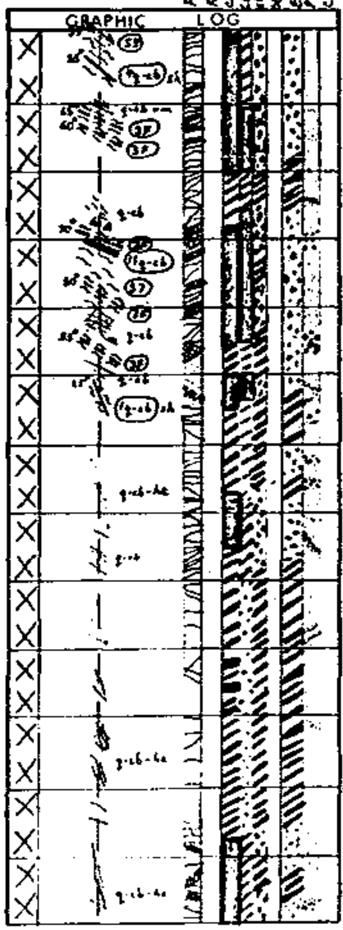
(Geolog Form 3)

IDEN	6	8	0	2	0	1	UNIQUE ID OF PROJECT: W/WDY	DRILL HOLE / TRAVERSE: DDH-05	SIZE OF CORE	LOGGED	BY: SRF	ASST. DRILLER	MONTH	YEAR	TYPE	SURVEYED SYSTEM	GRID AZIMUTH
5	DRILL COORD SYSTEM UNITS →	M/F: T	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION									PAGE 13/16

	FROM	TO	RECOV.	T-MOD	ROCK	QZ VEINS	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	57–76
I							C L C B S I K F P I P 2 P 3
			RQD	CS	CG	FRACTURES	
L							E F S E S P C P L I M A

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

GRAPHIC LOG



157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170

DESCRIPTIVE REMARKS

(158.1-158.9) two gouges, 3cm + 2cm @ 55° + 60°, ... silcd ... between gouges, 5-6% qc ... + ff, 0.2-0.5% diss py

(158.9-159.7) lightly frac + ..., mod ... 1-2% qc ff, tr py

(159.7-160.3) 11cm qc vn, ..., 70°, 40% chld ..., tr py; ... 5cm gouge @ upper cnt + strongly chld @ lower cnt, tr diss py, ff py + ... py ..., 1-2% qc vn

(160.3-161.1) strongly chld @ 50°, ... gouge @ 161.0, 3-4% qc ..., tr py

(161.1-161.6) 6-7% qc ..., 0.2-0.5% ... py, tr diss py, 3cm gouge @ 55°

(161.6-162.5) 1cm qc vn, ch, 35°, ...; ... is chld ... @ upper cnt + ... 10cm ... lower ... increase in py; 4-5% qc ..., 0.2-0.5% diss py + ff

(161.60-169.5) 0.2-0.5% ... ff.

(168.7-170.7) Lightly fractd ... gouge @ ... @ 65°, 1-2% qc ..., tr py ... blebs, ff + diss.

1 4	5–10 (FROM)	11–16 (TO)	18–20	21–23	24–27	43–46	57–62	67–70
D	15810	15970	100			121	P7 P+ P+	
L			30	R1		XXX	P) P3	
A1	15810	15890		A6	111			
A1	15890	15970		A6	112			
D	15970	16160	95			122	P8 P= Pr	
L			05	R1		XXX	P) P2	
A1	15970	16030		A6	113			
N	16000	16030			SQCVN			U. 4.
D	16030	16110		S7				
A1	16030	16110		A6	114			
D	16160	16500	100			223	P4 Pr P)	
L			56	R2		543	P+ P6	
A1	16110	16160		A6	115			
A1	16160	16250		A6	116			
D	16500	17070	98			432	P4 P) P)	
L			75	R2		345	P+ P6	
O	16870	17070						B. 4.

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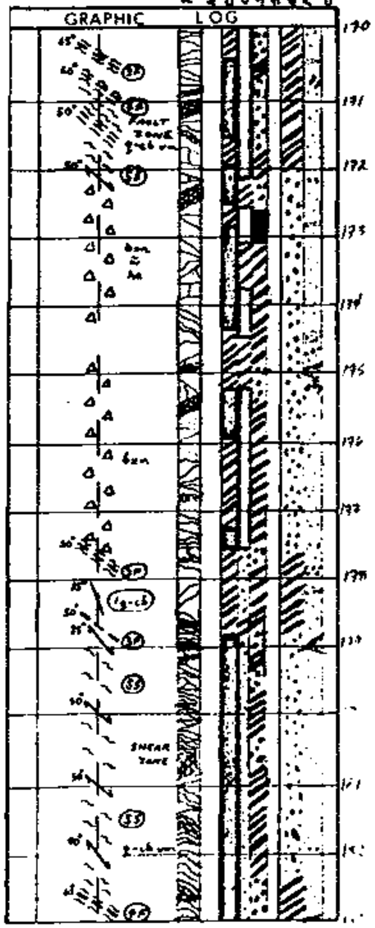
Geolog Form 3)

IDEN	Unique ID of Project	Drill Hole / Traverse	Logged By	Page of
680201	WI WDY	DDH-05	SRF	14 / 16

Drill Coord System Units	M/F
S	T

ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS
(170.7-172.1) Fault Zone - gouge @ 50-60°, sil'd frags in gouge material, very chl'c, 5-6% qz vns, tr diss py
(172.1-174.1) Zone of Bxn - dark red in colour from 3-4% hem as f.f., 2-3% qz as ff, tr py
(174.1-178.8) lightly fractured c 0.2-0.5% hem as f.f., 0.2-0.5% qz as ff, 0.2-0.5% diss py
(174.8-176.2) bed c 1-2% py as diss + f.f., 0.2-0.5% qz as ff, tr hem
(175.2-177.6) Zone of Bxn - chl'c frags in hem red mtx to 175.5 then sil'd frags in chl'c matrix; 1-2% hem, 0.5-1.0% qz & tr diss py
(@177.5) 6 cm of chl'c gouge @ 50°
(@178.6) 4 cm of chl'c gouge c frags @ 50°
(178.8-182.8) Shear Zone - mod chg @ 35-50° bounded by fault gouge
(178.8-180.0) 1% qz vns, tr diss py
(180.0-181.6) 1.0-1.5% qz vns, tr py
(181.6-182.3) 7-8% qz vns, tr py
(182.3-184.5) 3-4% qz vns, tr py
(182.3-183.5) massive, mod chl'n

Fill in column headings for HA/XX type headings: CL CB SI KF P1 P2 P3 / EP SE SP CP LY HA

1	4	FROM (6-10)	TO (12-16)	RECOV. / RQD (18-20)	T-MOD (21-22)	ROCK / Sample Serial No. (22-27)	QZ VEINS (43-46)	57-62	65-70	71-72
N		17070	17210	93		FALT	030	P7 P= F)		
L				00	R1		XXX	P+ P3		
A	1	17070	17210			A6118				
D		17210	17410	1[illegible]	BX		011	P7 P= A)		HE
L				70	R2		444	P* P3		<+
A	1	17210	17410			A6119				
D		17410	17880	98			023	P6 P= P)		
L				56	R2		566	P) P4		
D		17410	17480							HE
L										<*
A	1	17410	17480			A6120				
D		17480	17520		BX				D) <)	
A	1	17480	17520			A6121				
D		17520	17760		BX					HE
L										<)
A	1	17520	17760			A6122				
D		17880	18280	100	S5		366	P8 P* P)		
L				28	R2		8XX	F) P2		
A	1	17880	18000			A6123				
A	1	18000	18160			A6124				
A	1	18160	18230			A6125				
A	1	18230	18450			A6126				

PLACER DOME INC.

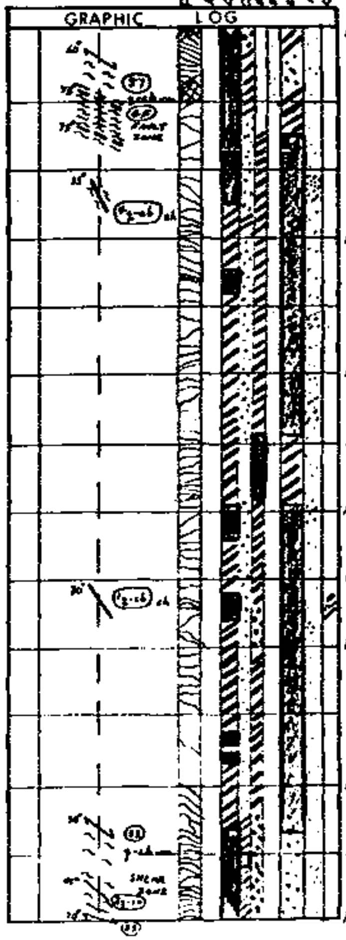
(Geolog Form 3)

I D E N 6 8 0 2 0 1	UNIQUE ID OF PROJECT: WINDY	DRILL HOLE / TRAVERSE: DDH-105	SIZE OF CORE	LOGGED	BY: SRF	ASST'D / DRILLER	MONTH / YEAR	PAGE 15 / 16
S	DRILL COORD SYSTEM UNITS → M/F	TOTAL DEPTH/LENGTH AZM	V ANG	NORTHING	EASTING	ELEVATION		

FILL IN COLUMN HEADINGS FOR MA/X R TYPE HEADINGS: C L C B S I K F P I P 2 P 3 / E P S E S P C P L I M A

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

GRAPHIC LOG



183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196

DESCRIPTIVE REMARKS

(182.0-183.5) strongly sil'd

(183.0-184.5) Fault Zone - chl'c gouge ± sil'd frags & qz vns, @ 25°, tr py
(184.5-185.1) wkly bxd to very wkly fol'd, strong epi alt'n, grad cnt to porphyritic dio.
(185.1-194.6) Porphyritic Diorite - dio hoc + cub-ex mafic xtls (avg size 5mm) & PF xtls (avg. size 2-3mm); 50% mafics, 50% PF. Strong epi alt'n giving a bright green colour, mod chl + sil'n. One med grained dio dikelet
(185.1-185.5) 4 cm qz vn, sh, 25°, 0.25-0.5 dia py; h.c. strongly chl'd @ cnts ± 0.25-0.5% qz vn & f.f., 0.5% py as blebs & f.f.
(188.9-189.8) strongly sil'd ± 0.5% qz as f.f., tr py
(190.2-190.3) M.G. Dio dyklet, fuzzy cnts @ 65°
(190.7-190.8) M.G. Dio dyklet, fuzzy cnts @ 35°
(191.2-191.5) 1 cm qz vn, sh, 30°, 1 cm blob of cpy, tr py; h.c. wkly chl'd, 3-4% qz as f.f., cpy [illegible] fracture (1% cpy [illegible]), tr py
(191.5-192.3) 0.5% qz as f.f., tr py

(192.2-192.3) M.G. Dio dyklet, sharp cnts @ 70°

(194.6-197.6) Shear Zone - mod shg @ 50°-70°; one 6cm fault gouge @ 196.7 @ 65°
(194.6-196.0) 10-15% qz vns, tr py

A	FROM (5-10)	TO (11-16)	RECOV / RQD (18-20)	21-23	ROCK / CS (24-27)	QZ VEINS / FRACTURES (43-46)	57-62	63-76
D	18280	18510	90			256	P6 P- Q·	
L			23		R1	XXX	P+ P4	
D	18300	18350		37				
N	18400	18450		X	FALT			
A1	18450	18510		A6	127			
N	18510	19460			PPDR		P5 P* P)	
L							P= P5	
D	18510	19000	100			355		
L			68		R2	677		
D	18510	18550						G* <*
A1	18510	18550		A6	128			
D	18890	18980					P4 PO P3	
L							P+ P4	
A1	18890	18980		A6	129			
D	19000	19460	99			434		
L			78		R2	495		
N	19020	19030		X	MGDR			
N	19070	19080		X	MGDR			
D	19120	19150						
L								<)
A1	19120	19150		A6	130			
A1	19150	19230		A6	131			
D	19460	19760	99	55		346	P7 P+ P*	
L			36		R2	688	Q* P3	
A1	19460	19600		A6	132			

PLACER DOME INC.
(Geolog Form 3)

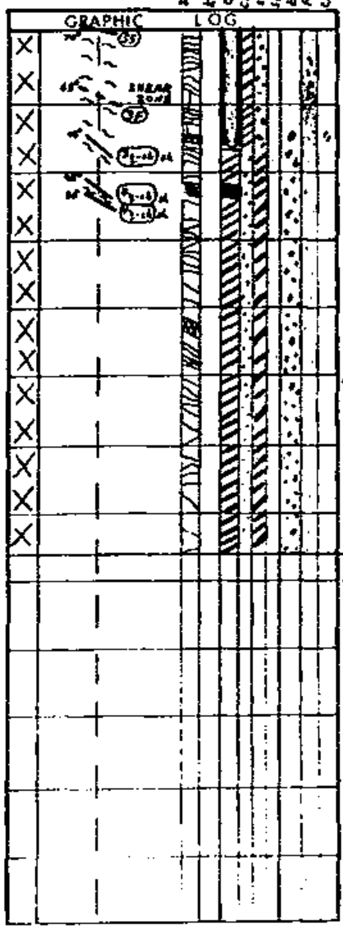
ID	Unique ID of project	Drill hole / traverse	Logged by	Page
IDEN6B0201	WINDY	DDH-05	SRF	76 / 76

Drill coord system units	M/F	Total depth/length	AZM	V ANG	Northing	Easting	Elevation
S	T						

1	4	From (5–10)	To (11–16)	Recov. (18–20)	T-Mod (21–23)	Rock (24–27)	Qz veins (43–46)	57–76
1								C L C B S I K F P 1 P 2 P 3
				RQD	CS	CS	Fractures	
L								E P S E S P _ _ C P L I M A

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

GRAPHIC LOG



Meterage: 196, 197, 198, 199, 200, 201, 202, 203, EOH 203.6, 204

DESCRIPTIVE REMARKS
(196.0-197.6) 6cm gouge @ 196.7 @ 65°; 3-4% qz vns, 0.2-0.5% py as vn ctls & dissns
(197.6-198.3) Two 4cm, 4cm qz vns, cl, 45° + 50° ...; ... is ... between vns but ... abundance, 0.5% qz as ff., to diss py

1	4	From (5–10)	To (11–16)	18–20	21–23	24–27	43–46	57–76
D		19600	19760					0*U* (65–68)
A	1	19600	19760		A6	/133		
D		19760	20360	91			353	
L				72		R2	576	
A	1	19760	19830		A6	/134		

*** DRILL HOLE : DDH-05***

Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A417	21.00	21.50	0.50	0.1	1	3	16	
A418	23.80	24.20	0.40	0.1	2	3	36	
A419	25.30	25.90	0.60	0.1	5	20	17	
A420	27.20	28.00	0.80	0.1	2	3	15	
A421	33.00	34.00	1.00	0.1	2	3	13	
A422	34.00	35.50	1.50	0.2	1	10	16	
A423	35.50	37.00	1.50	0.1	1	185	11	
A424	37.00	39.00	2.00	0.1	1	50	71	
A425	39.00	41.00	2.00	0.1	1	50	46	
A426	41.00	43.00	2.00	0.1	7	5	28	
A427	43.00	45.00	2.00	0.1	3	5	34	
A428	45.00	47.00	2.00	0.1	9	3	64	
A429	47.00	48.60	1.60	0.1	13	15	59	
A430	48.60	49.00	0.40	0.1	8	3	55	
A431	49.00	52.00	3.00	0.1	3	5	40	
A432	52.00	53.00	1.00	0.1	1	5	36	
A433	53.00	55.00	2.00	0.1	10	3	23	
A434	55.00	57.00	2.00	0.1	6	15	48	
A435	62.00	64.00	2.00	0.1	5	15	44	
A436	64.00	65.20	1.20	0.1	1	15	22	
A437	69.00	70.00	1.00	0.1	2	15	86	
A438	70.00	71.00	1.00	0.1	4	35	165	
A439	73.70	74.20	0.50	0.1	2	10	21	
A440	74.20	75.00	0.80	0.1	1	15	6	
A441	78.20	79.00	0.80	0.1	2	60	15	
A442	79.00	80.00	1.00	0.1	1	30	59	
A443	80.00	80.80	0.80	0.1	2	30	18	
A444	80.80	82.00	1.20	0.1	2	25	30	
A445	82.00	83.00	1.00	0.1	1	30	41	
A446	83.00	83.50	0.50	0.1	3	25	51	
A447	83.50	84.00	0.50	0.1	1	60	400	
A448	84.00	85.00	1.00	0.1	2	40	43	
A449	85.00	85.50	0.50	0.1	6	40	195	
A450	85.50	86.00	0.50	0.1	6	40	138	
A451	86.00	87.00	1.00	0.2	1	3	27	
A452	88.50	88.90	0.40	0.1	1	3	38	
A453	90.70	91.50	0.80	0.1	3	3	34	
A454	93.00	94.00	1.00	0.2	4	3	127	
A455	94.00	95.40	1.40	0.1	2	3	71	
A456	95.40	95.70	0.30	0.1	2	10	72	
A457	98.00	99.00	1.00	0.5	25	3	11	
A458	99.00	100.60	1.60	0.1	3	3	28	
A459	100.60	101.80	1.20	0.2	3	3	51	
A460	101.80	102.20	0.40	0.2	1	3	115	
A461	102.20	103.00	0.80	0.1	1	3	36	
A462	103.00	104.00	1.00	0.1	1	3	27	
A463	104.00	104.70	0.70	0.2	1	3	40	
A464	104.70	105.20	0.50	0.2	2	3	45	
A465	105.20	105.50	0.30	0.2	3	3	48	
A466	105.50	105.80	0.30	0.1	1	3	13	
A467	105.80	106.10	0.30	0.1	3	3	26	

*** DRILL HOLE : DDH-05***

Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A468	108.00	108.40	0.40	0.1	2	3	58	
A469	109.00	109.60	0.60	0.1	3	3	28	
A470	114.00	114.70	0.70	0.1	2	3	28	
A471	114.70	116.20	1.50	0.1	1	3	20	
A472	117.70	118.20	0.50	0.1	3	3	2	
A473	121.10	121.50	0.40	0.2	13	3	89	
A474	126.00	126.40	0.40	0.2	5	3	53	
A475	128.40	130.00	1.60	0.2	2	3	130	
A6101	130.00	131.00	1.00	0.3	5	3	98	
A6102	131.00	132.40	1.40	0.3	3	3	167	
A6103	139.60	140.00	0.40	0.2	6	3	38	
A6104	140.00	141.40	1.40	0.6	1	3	40	
A6105	142.20	142.70	0.50	0.2	2	3	40	
A6106	145.20	146.80	1.60	0.1	1	3	45	
A6109	155.30	156.10	0.80	0.5	1	3	340	
A6110	156.10	158.10	2.00	0.1	1	3	54	
A6111	158.10	158.90	0.80	0.2	1	3	70	
A6112	158.90	159.70	0.80	0.1	1	3	55	
A6113	159.70	160.30	0.60	0.2	3	80	59	
A6114	160.30	161.10	0.80	0.2	1	120	53	
A6115	161.10	161.60	0.50	0.2	6	50	98	
A6116	161.60	162.50	0.90	0.1	4	40	58	
A6118	170.70	172.10	1.40	0.1	1	3	56	
A6119	172.10	174.10	2.00	0.1	2	20	34	
A6120	174.10	174.80	0.70	0.5	18	60	87	
A6121	174.80	175.20	0.40	1.3	93	155	76	
A6122	175.20	177.60	2.40	0.1	6	15	51	
A6123	178.80	180.00	1.20	0.1	2	3	58	
A6124	180.00	181.60	1.60	0.1	1	3	34	
A6125	181.60	182.30	0.70	0.1	1	3	57	
A6126	182.30	184.50	2.20	0.3	10	3	90	
A6127	184.50	185.10	0.60	0.5	1	40	550	
A6128	185.10	185.50	0.40	1.4	92	75	1120	
A6129	188.90	189.80	0.90	0.1	1	20	19	
A6131	191.50	192.30	0.80	0.1	2	75	70	
A6132	194.60	196.00	1.40	0.1	1	3	31	
A6133	196.00	197.60	1.60	0.1	11	185	45	
A6134	197.60	198.30	0.70	0.1	1	3	96	

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A6604	15.24	17.68	2.44	0.1	10	95
A6605	17.68	20.73	3.05	0.1	35	106
A6606	20.73	23.77	3.04	0.1	3	74
A6607	23.77	26.82	3.05	0.1	10	60
A6608	26.82	29.87	3.05	0.1	3	54
A6609	29.87	32.92	3.05	0.1	3	48
A6610	32.92	35.97	3.05	0.4	15	70
A6611	35.97	39.01	3.04	0.5	25	115

*** DRILL HOLE : DDH-05***

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A6612	39.01	42.06	3.05	0.1	55	126
A6613	42.06	45.11	3.05	0.1	35	66
A6614	45.11	48.16	3.05	0.1	10	74
A6615	48.16	52.21	4.05	0.1	15	55
A6616	52.21	54.25	2.04	0.2	10	67
A6617	54.25	57.30	3.05	0.1	35	76
A6618	57.30	60.35	3.05	0.2	3	80
A6619	60.35	63.40	3.05	0.2	3	68
A6620	63.40	66.45	3.05	0.2	3	55
A6621	66.45	69.49	3.04	0.5	3	144
A6622	69.49	72.54	3.05	0.4	3	110
A6623	72.54	75.59	3.05	0.1	30	138
A6624	75.59	78.64	3.05	0.1	3	80
A6625	78.64	81.69	3.05	0.1	3	60
A6626	81.69	84.73	3.04	0.1	3	76
A6627	84.73	87.78	3.05	0.1	10	88
A6628	87.78	90.83	3.05	0.1	3	58
A6629	90.83	93.88	3.05	0.1	3	78
A6630	93.88	96.93	3.05	2.3	3	91
A6631	96.93	99.97	3.04	0.1	3	38
A6632	99.97	103.02	3.05	0.1	3	60
A6633	103.02	106.07	3.05	0.1	3	54
A6634	106.07	109.12	3.05	0.1	3	60
A6635	109.12	112.17	3.05	0.1	3	55
A6636	112.17	115.21	3.04	0.1	3	60
A6637	115.21	118.26	3.05	0.1	15	73
A6638	118.26	121.31	3.05	0.1	3	62
A6639	121.31	124.36	3.05	0.1	3	73
A6640	124.36	127.41	3.05	0.1	3	60
A6641	127.41	130.45	3.04	0.2	160	191
A6642	130.45	133.50	3.05	0.1	175	162
A6643	133.50	136.55	3.05	0.6	90	90
A6644	136.55	139.60	3.05	0.1	500	82
A6645	139.60	142.65	3.05	0.1	100	75
A6646	142.65	145.69	3.04	0.1	110	70
A6647	145.69	148.74	3.05	0.1	100	62
A6648	148.74	151.79	3.05	0.1	110	62
A6649	151.79	154.84	3.05	0.1	125	63
A6650	154.84	157.89	3.05	0.4	3	76
A6651	157.89	160.93	3.04	0.1	3	66
A6652	160.93	163.98	3.05	0.1	3	56
A6653	163.98	167.03	3.05	0.1	10	64
A6654	167.03	170.08	3.05	0.4	3	61
A6655	170.08	173.13	3.05	0.3	50	76
A6656	173.13	176.17	3.04	0.4	30	106
A6657	176.17	179.22	3.05	0.3	20	85
A6658	179.22	182.27	3.05	0.1	10	75
A6659	182.27	185.32	3.05	0.1	3	71
A6660	185.32	188.37	3.05	0.1	3	91
A6661	188.37	191.41	3.04	0.2	3	142
A6662	191.41	194.46	3.05	0.3	3	176

*** DRILL HOLE : DDH-05***

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A6663	194.46	197.51	3.05	0.1	3	51
A6664	197.51	200.56	3.05	0.1	3	81
A6665	200.56	203.60	3.04	0.1	3	78

PLACER DOME INC. GEOLOG DRILLHOLE HEADER FORM

DRILLHOLE HEADER CARDS FILL OUT ONCE PER HOLE

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	ASSY'D BY	DRILLED DRILLER(S) / MONTH / YR.	RIG TYPE	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
IDEN	6802	01	W/WDY	DDH-06	NQ	SRF		DLY JUL 89					00.00	01	13

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

	TURNING PT. 000-Collar	FROM	TO	MT or FT	TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FR. TRUE N	V-ANG.	NEG. IF DOWN	NORTHING	NEG. IF SOUTH	EASTING	NEG. IF WEST	ELEVATION	NEG. IF SUB-SEA
S	000	000	15480	MT	154.80	090.		-45		13000.		9750.		1027.	

← Drillhole coordinate system units

See Note 4 → TO DEFINE HOW AND AMOUNT FIELDS OF ... use

	RECOVERY	T-MOD	ROCK	TM 1	TM 2	GM 1	TX 1	TX 2	GRAIN CC SC NP		STRUC ID	STRIKE AZM	DIP (0 RT OR PLUNGE)	ALTERATION AND MINERAL SUITES	OPEN FIELD
/NAM														CL CB SI KF P1 P2 P3	

	RQD	AGE FORM-M	ENVIR	LC COLOUR	TM 3	GM 2	TX 3	TX 4	FRACTURES		STRU 2 ID	AZM	DIP TORT	ALTERATION AND MINERAL SUITES	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 LENGTH	UNIT OF RECOVERY	
/SCL	T.2	.	

	UNIT OF RQD	LCTM or LB Ne
LSCL	.	

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

FILL OUT IF REQUIRED — CROSS OUT IF NOT REQUIRED

	TURNING PT. 000-Collar	FROM	TO		TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FR. TRUE N	V-ANG	NEG. IF DOWN
S	001				.		.		.
S	002				.		.		.
S	003				.		.		.
S	004				.		.		.
S	005				.		.		.
S	006				.		.		.

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

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

A00 ← Assay File No. (Typically 1.)

AUMM — ASSAY FIELD NAMES SEE NOTE 2

ALAB

ATYP

AMTH

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

SAMPLE ASSAY RECORDS

	FROM	TO	RECOVERY	SS-Sample Serial No.	A1	A2	A3	A4	A5	A6	A7	A8	A9
A00													
A00													
A00													
A00													

Assay File Definition Number, Typically A001

Notes:

1 - Do not change INAM, LNAM, /SCL, LSCL, or AUMM card definitions during a project. Blanks may be changed however.

2 - On AUMM card, right adjust names so that 8-4 letters make sense. They will be "stats" header names.

3 - Units of distance on SPEC card are for survey coordinates, those on /SCL card are for downhole distances.

4 - ...

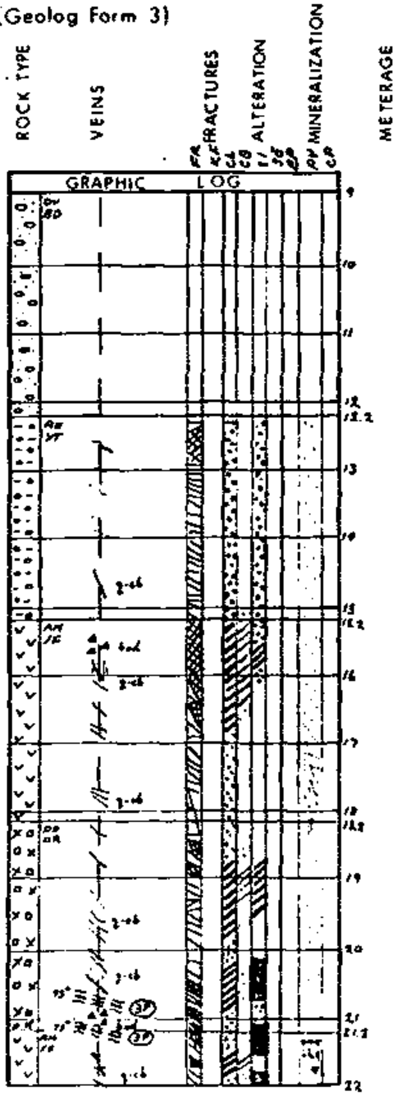
5 - If additional "S" or "A" cards are required use another header form and cross out unwanted portions or enter "S" or "A" cards on keypunched portion on form 2.

PLACER DOME INC.

(Geolog Form 3)

IDEN	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
680201	W/NDY	DDH-06			SRF										02/13

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



DESCRIPTIVE REMARKS

(0.0-12.2) OVERBURDEN

(12.2-15.2) ANDESITIC CRYSTAL TUFF - Med. to dark grey, H=3.5, mex; 10% mafic xtls, subhedral, avg. size 1 to 2mm; 10% PF xtls, rounded to lath shaped, avg. size 1mm, in a f.g. glassy matrix. Xtls are indistinct.
35% mafics, 65% plag. feld.
Unit is hard & rather unalt'd. glassy appearance may be due to wk silic.
Rare qtz-carb stkgs & tr diss py.
Limonite staining along fractures.

(15.2-18.2) ANDESITIC FLOW - Med. grey to greenish grey, H=3, mex; 10-20% sub mafic xtls, avg. size 1 to 2mm, very distinct within a f.g. matrix. Observable PF xtls are rare.
35-40% mafics, 60-65% PF
Unit is highly alt'd & frac. @ [illegible]
(15.2-15.8) mod'ly bad cut [illegible] alt'd frags in calc matrix, 1-2% qc fl, tr py
(15.8-16.8) highly frac & alt'd to limonite staining very cht & mod'ly carb'd, 1-2% qc fl, tr py
(16.8-18.2) 0.5-1.0% qc fl, 0.5% py as fl.

(18.2-21.2) PORPHYRITIC DIORITE - Beige to light brown (limonite staining), H=3, 20% mafic xtls, ex to sub xtls & elongate xtls, avg. size 3 to 4 mm; difficult to distinguish individual PF xtls. 30% mafics, 70% PF.
Probably represents a dyke but may possibly be a more porphyritic & alt'd section of the andesite flow. 2-3% qc fl, 0.25-0.5% lim staining, tr py
(@ 21.2) cut @ gouge, 3 cm wide @ 75°

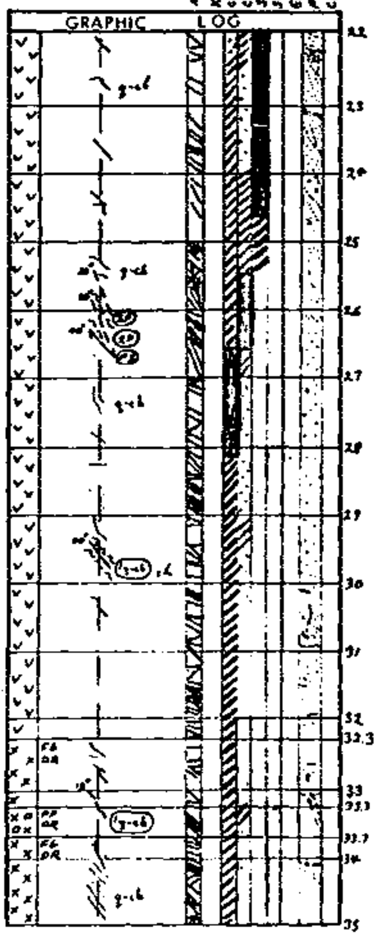
1	4	FROM (5-10)	TO (11-16)	RECOV / RQD (18-20)	T-MOD (21-23)	ROCK / CS (24-27)	QZ VEINS / FRACTURES (43-46)	57-60	61-64	65-66	67-70
/								CLCB	SIKF	PIP2	P3
L								EPSE	SP	CPLI	HA
P		0000	1220			OVBO					
P		1220	1520	73		ANXT	233	P2	P+	D.	
L				40		R2	455		PS		<.
P		1520	1820	97		ANVF	444	P4Q)	Q)	D.	
L				28		R2	776		P6		
A	1	1520	1680		A6	135					
D		1680	1820								<X
A	1	1680	1820		A6	136					
P		1820	2120	89		PPDR	442	A2Q)	Q+	D.	
L				42		R2	577		PS		QX
A	1	1820	2020		A6	137					
A	1	2020	2120		A6	138					

PLACER DOME INC.

(Geolog Form 3)

I D E N 6 B 0 2 0 1	Unique ID of project: ω/MDY	Drill hole / traverse: DDH-06	Size of core	Logged by: SRF	Page: 03 of 13
Drill coord. system units: S	M/F: T	Total depth/length	Azm	V Ang	Northing / Easting / Elevation

ROCK TYPE — VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE



DESCRIPTIVE REMARKS

(21.2-32.3) ANDESITIC FLOW - as previously desc from 15.2-18.2. Mod to wkly fol'd, mod to strongly alt'd + ser'd, patchy wk to strong carb'n + silic'n. Tr diss py, zones of high py as ff assoc. w silic'n.

(21.2-21.6) strongly silic'd + fol'd, mass bnc, mnr py as blebs + f.f. (2-3%), 2-3% qc as ff.

(21.6-22.1) 2cm patch of unsilic'd bx + strongly silic'd area with mass bnc, a bleached piece of PPDR (not deform'd?) .05% diss py, 1% py blebs, 1-2% q.c. ff

(22.1-23.2) strongly silic'd, 1% py as ff, 1% diss py, 1% qc ff

(23.2-24.3) 0.5% py as ff, 0.5% as diss + blebs, 0.5% qc ff

(24.3-24.8) 2-3% py as ff, tr diss py, 0.25% qc as ff

(24.8-26.1) v. wk to wkly fol'd @ 20°, 1cm gouge @ 10°, 1% qc as ff + sm, tr py

(@26.4) 1cm gouge @ 20°, bx wkly fol'd @ 40°

(@29.7) 1cm qc vn, ch, 40°, vein is bx is modly chl'd + v. ep alt'c, 0.25% py near cuts

(30.0-31.0) 1-2% qc ff, 0.5% py as ff, tr diss py

(@32.1) fairly sharp cont @ 55°

(32.3-50.0) FINE GRAINED DIORITE - dark grey, H: 3, mag, fine grained w 30% mafic, 70% PF. Due to the fg nature of this unit it is difficult to distinguish if volcanics are interfingered. Some sections are porphyritic + look volcanic but have very gradl contacts + in bleached areas appear to have a diorite texture. Changes in alt'n, % of qc veining + py will be described th/o unit. There is mod chl + ser alt'n, mode of py alters from blebs, strgs + diss, ~2% th/o

Card										
(cols)	1	4	5–10	11–16	18–20	21–23	24–27	43–46	57–64	65–76
			FROM	TO	RECOV.	F-NOD / % MOD	ROCK	QZ VEINS	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS	
/									C L C B S I K F	P 1 P 2 P 3
					RQD	C S	~~C S~~	FRACTURES		
L									E P S E S P	C P L I M A
					RECOV	SS: Sample Serial No.		28 29 30 31	32	
P			2120	3230			AN/F		P5	D·
L									PS	
D			2120	2480	89			232	PI	
L					58	R3		153		
D			2120	2160						B) <+
A	1		2120	2160		A6	139			
D			2160	2210						D* B)
A	1		2160	2210		A6	140			
D			2210	2320						D) <)
A	1		2210	2320		A6	141			
D			2320	2430						D* B*
A	1		2320	2430		A6	142			
D			2430	2480						<+
A	1		2430	2480		A6	143			
D			2480	2610		F3				
A	1		2480	2610		A6	144			
D			2480	2800	97			132		
L					50	R2		485		
D			2800	3230	100			122		
L					53	R2		356		
D			3000	3100						<*
A	1		3000	3100		A6	145			
P			3230	5000			FGDR		P4	
L									P6	
D			3230	3600	100			343	Q* Q·	D· B· <*
L					51	R2		346		
A	1		3230	3330		A6	146			
N			3330	3370			PPDR		P3 P) P7	D*
A	1		3330	3370		A6	147			

PLACER DOME INC.

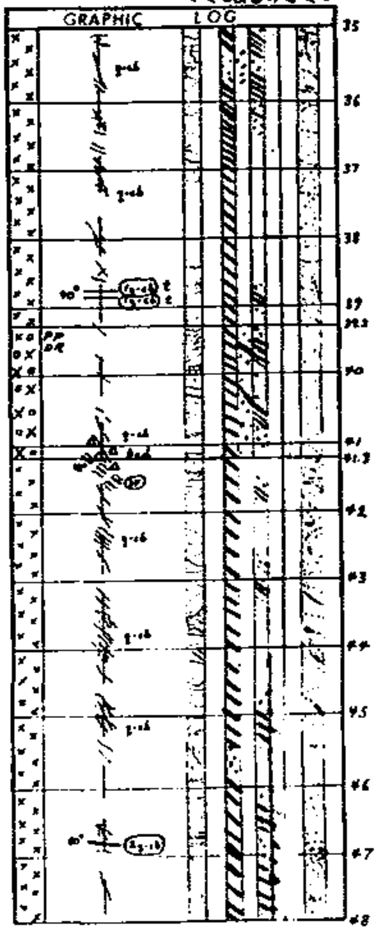
Geolog Form 3)

IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	PAGE
IDEN680201	W/MDY	DDH-06			SRF	04 / 13

ORILL COORD. SYSTEM UNITS → M/F: T · TOTAL DEPTH/LENGTH · AZM · V ANG · NORTHING · EASTING · ELEVATION

ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE

GRAPHIC LOG



Code	FROM	TO	RECOV. / RQD	T-MOD / CS	ROCK / GS	QZ VEINS / FRACTURES	57–64	65–76
/							CL CB SI KF	P1 P2 P3
L							EP SE SP	CP LI MA
A1	3370	3600			A6148			
D	3600	3930	91			224		D·
			58	R2		135		
D	3800	3930						C*
A1	3800	3930			A6149			
W	3930	4130	60		PPDR	030	P3 P)	D·
L			30	R2		355	P7	
A1	3930	4130			A6150			
D	4130	4630	100			333	Q)	
L			46	R2		367		
D	4130	4360						D· <*
A1	4130	4360			A6151			
D	4360	4430						<=
A1	4360	4430			A6152			
D	4630	5170	89			133	P)	D· B· <·
L			20	R2		XXX		
D	4630	4690						D)
A1	4630	4690			A6153			

DESCRIPTIVE REMARKS

(32.3-33.3) 1% qz. f.f., wkly carb'd, 0.25% py as diss'ns ± f.f.

(33.3-33.7) PORPHYRITIC DIORITE - appears to be a very gradual change highlighted by fracturing ± some bleaching 15% sub. mafic xtls ≈ avg. size 2-3 mm. 4-5% qz f.f., 0.25% diss py

(33.7-36.0) 2% qz f.f., 0.5% py as f.f., 0.25% py as blebs, tr as diss'ns

(38.0-39.3) 0.5-1.0% q-cb, 0.25-0.5% py as blebs (@ 39.3) sharp cnt @ 40°

(39.3-41.3) PORPHYRITIC DIORITE - med grey to beigh, N035, 30% sub-euh mafic xtls (avg size 2-3 mm) in a fg. matrix. Wkly sil'd, may be masking orig. plag xtls in matrix. Mod chl'd ± ser'd, wk to mod carb, 0.5% qz f.f., tr py.
(@ 41.3) bxd cnt

(41.3-42.6) very gradational change from fg. dio to slightly porphyritic ≈ obvious xtline matrix, 2 to 3% qz f.f., 0.5% py as f.f., tr diss py

(42.6-44.3) 2 to 3% qz f.f., 4 to 5% py as f.f.

(45.0-45.3) gradational change from slightly porphyritic fg. dio to fg. dio

(46.3-46.9) 5-6% qz as f.f. (one 2cm qz vn, ten, 80°, unmin) and 1% diss. py mainly concen at vn cnts.

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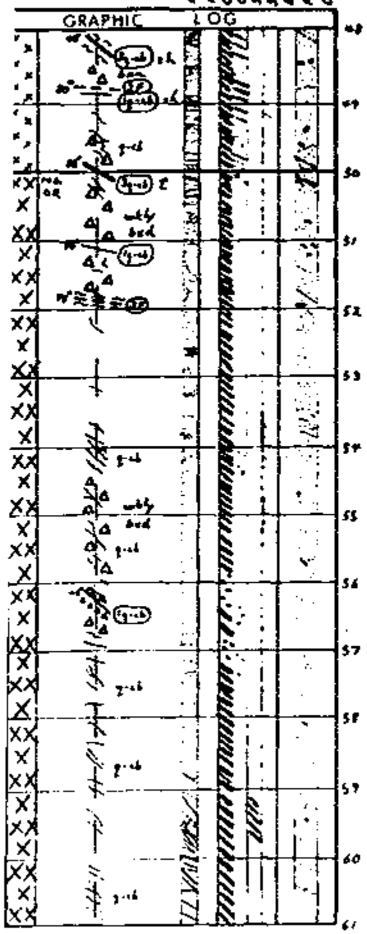
eolog Form 3)

IDEN680201	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	PAGE
	W/NDY	0DN-06			SRF	05/13

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



	1	4	FROM (5–10)	TO (11–16)	RECOV (18–20)	T-MOD (21–22)	% MOD (23)	ROCK (24–27)	QZ VEINS S M L TOT (43–46)	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS (57–76)
	/									CL CB SI KF PI PZ P3
					RQD	CS		CS	FRACTURES S M L TOT	
	L									EP SE SP CP LI HA
					RECOV	SS: Sample Serial No.		27	28 29 30 31	32

DESCRIPTIVE REMARKS	A	4	FROM	TO	18–20	21–23	24–27	43–46	57–76
(48.0-48.8) 3cm qz vn, sh, 40°, 10% py as bands;	D		48.00	48.80		BX			<)
hc is wkly fold @ ctr. zone of wk ban,	A	1	48.00	48.80		A6	154		
1cm gouge @ 80° paralleled by 1cm qz vn,									
sh @ 80°. Interval w/ total of 4-5% qz	D		49.50	51.70		BX			
& 1% py as f.f. & bands	D		49.50	50.30					U* <)
(49.2-49.5) unit again becoming slightly	A	1	49.50	50.30		A6	155		
porphyritic - 5% mafic xtls avg size 2mm.	P		50.00	68.80			MGDIR		P4 D.
(49.5-50.1) 3cm qz vn, tan, 55°, vuggy,									P6
5-6% coarse py xtls & avg. size 4-5mm;									
hc wkly bxd, 2-4% qz f.f., 1% py as	D		51.70	56.20	91			234	Q. <.
f.f. & blebs	L				38	R2		357	
(50.0-68.8) MEDIUM GRAINED DIORITE - % of mafic	D		51.70	53.00					<)
xtls to 10-15%, PF xtls observable (50% lean xtls)	A	1	51.70	53.00		A6	156		
(51.2-52.0) 2cm fault zone @ 75°, 1% qz									
stgrs, 1% py stgrs	D		53.00	53.90					<*
	A	1	53.00	53.90		A6	157		
(53.0-53.9) 1% qz stgrs, 0.5% py stgrs									
(54.5-56.0) wkly bxd	D		54.50	56.80		BX			
(56.2-57.1) 1cm qz-carb vn, sh, 45°, margin	D		56.20	61.00	98			234	D. <.
to a 7cm highly bxd zone (ctrs	L				42	R2		267	
supported); surrounding area is wkly bxd	D		56.20	57.10					B4 <*
with 0.5-1.0% py as blebs & f.f.	A	1	56.20	57.10		A6	158		

PLACER DOME INC.

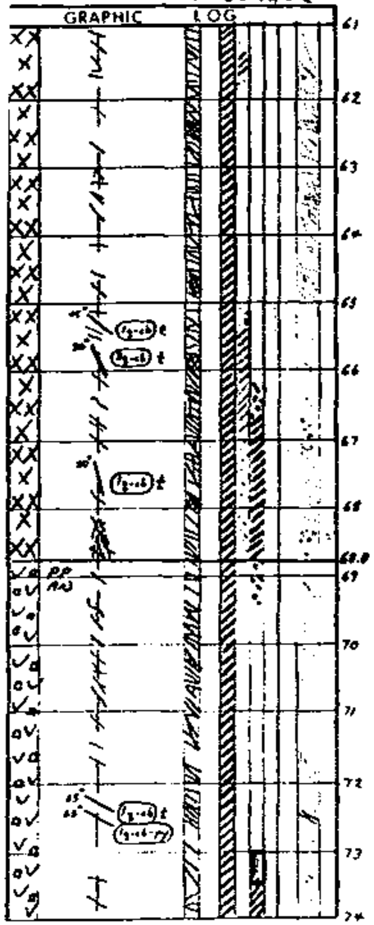
(Geolog Form 3)

IDEN	Unique ID of Project	Drill Hole / Traverse	Size of Core	Logged	By	Page
680201	WINDY	DDH-06			SRF	06 / 13

Drill coord system units: S — M/F: T — Total depth/length — AZM — V ANG — Northing — Easting — Elevation

ROCK TYPE — VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

(61.0-62.1) 2-3% gc vlts, 1% py as f.f.

(62.1-63.0) 0.5% gc f.f., 1% py as f.f.

(63.0-65.1) 1% gc f.f., 0.5-1% py as f.f.

(@ 65.8) 3cm qz-cb vn, ten, 30°, [illegible]; bx is wkly bleached for 3cm either side of vn & is [illegible]

(66.7-68.8) modly sil'd & wkly [illegible]

(66.7-68.0) 2-3% gc f.f., 1-2% py as f.f.

(68.0-68.8) 8-10% gc f.f., 0.5% py as blebs, diss'ns & f.f., [illegible] to spy.

(68.8-137.5) ANDESITIC AUGITE PORPHYRY FLOW - as previously described from 15.2-18.2 in exception of grading into sections w 30% mafic xtls (avg. size 3-4 mm) with a f.g. matrix, very slight change in texture, matrix to hard to distinguish. PF - may possibly still be m.g. dia here.

(68.8-70.0) 2% gc f.f., 1% py as blebs + f.f.

(70.0-73.0) two [illegible] qz-cy, ten, 65°, 1st is [illegible], 2nd w 30% py as bands; bx w 0.5% gc f.f., 0.5% py as blebs + f.f.

(73.0-74.0) strong to mod sil'n, 1% gc f.f., 0.5% py as blebs + f.f., 0.25% pyrrhotite as blebs + f.f.

Coded data

Column headings for 57-76: C L C B S I K F P 1 P 2 P 3 / E P S E S P C P L I M A

Code	From	To	Recov / RQD	T-Mod	Rock / Sample	QZ Veins / Fractures	Cols 57-76
D	6100	6510	89			344	<)
L			69	R2		567	
A1	6100	6210			A6159		
A1	6210	6300			A6160		
A1	6300	6510			A6161		
D	6510	6880	100	R2		443	P +
L			45			665	
D	6670	6880					P +
D	6670	6800					<)
A1	6670	6800			A6162		
D	6800	6880					B* <*
L							B·
A1	6800	6880			A6163		
P	6880	13750			PPAN		PS
L							PS
U	6880	7300	88			444	B* <*
L			51	R2		666	
A1	6880	7000			A6164		
A1	7000	7300			A6165		
D	7300	7610	94			243	
L			74	R2		455	
D	7300	7400					P = B* <* PR
L							B*
A1	7300	7400					

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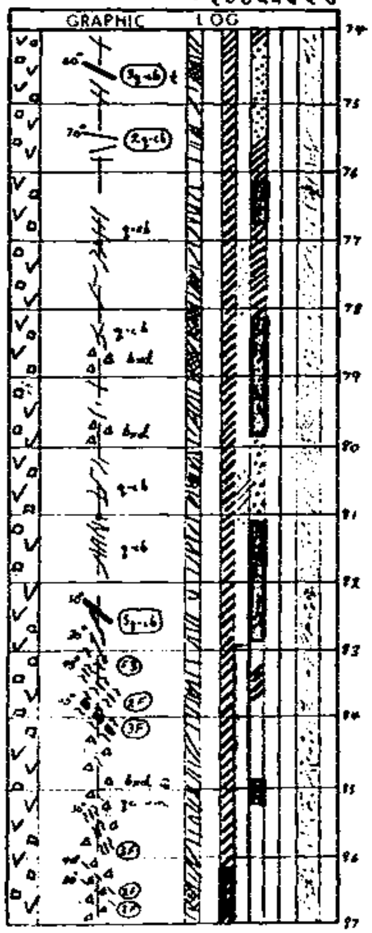
I	D	E	N	6	B	0	2	0	1	W	I	N	D	Y		D	D	H	-	0	6						S	R	F						07	13

UNIQUE ID OF PROJECT: WINDY · DRILL HOLE / TRAVERSE: DDH-06 · SIZE OF CORE · LOGGED · BY: SRF · ASST'D · DRILLER (S) · MONTH · YEAR · TYPE · TIME · HRS · SURVEYED · SYSTEM · GRID · AZIMUTH · 07 13
S · DRILL COORD. SYSTEM UNITS → M/F: Y · TOTAL DEPTH/LENGTH · AZM · V. ANG · NORTHING · EASTING · ELEVATION

1	4	FROM 5–10	TO 11–16	RECOV 18–20	T-MOD 21–22	V/MOD 23	ROCK 24–27	QZ VEINS 43–46	57–58	59–60	61–62	63–64	65–66	67–68	69–70	71–72	73–74	75–76
I									CL	CB	SI	KF	PI	P2	P3			
				RQD	CS		CS	FRACTURES										
L									EP	SE	SP		CP	LI	MA			
				RECOV	SS: Sample Serial No.		27	28 29 30 31	32									



DESCRIPTIVE REMARKS

(74.0-76.1) 3 cm qz vn, tan, 60°, 0.25% py as em stls; hw is mod to very wkl'd, 1% qz as ff, 0.5% py as ff, 0.25% po as blebs (replacing mafic stls)

(76.1-76.6) extremely sil'd, mauve hue, occurs as bands (as @ start of hole), highly fractured w 2-3% qz as ff + 2-4% py as ff.
(76.6-78.0) mod to very wkly fol'd, 2-3% qz ff, 0.5% py as ff, 0.25% po

(78.0-79.9) not sil'd, mauve hue, fractured + bxd, black chl infilling, some bleached areas show dioritic texture, 1-2% qz ff, 0.5% py as diss + ff.

(79.9-80.9) mod to very wkly fol'd, wkly carb'd, 1% qz ff, 0.5% py as ff

(80.9-82.1) strongly sil'd, 1% qz ff, 0.5% diss py

(82.1-82.9) strongly sil'd w wk mauve hue; 5 cm qz vn, tan, 50°, vuggy; 2-8% qz ff, 2-3% py as ff + patches
(82.9-83.9) wkly fol'd @ 30-40°, 1 cm gouge @ 45° @ 83.6; 2-3% qz vn, 0.5% py as ff + diss as
(83.9-85.0) 6 cm gouge @ 84.0, strongly bxd with bleached angular frags, 3-4% qz vn, 1% py as blebs + diss'ns in frags + matrix.
(85.0-86.1) 4 cm gouge @ 30° @ 85.6, 10-15% qz vn, 1-2% py as blebs + ff

(86.1-86.6) highly bxd + chl'zd, 4-5% qz vn, 8-9% py as bands

1	4	FROM 5–10	TO 11–16	18–20	21–23	24–27	43–46	57–58	59–60	61–62	69–70	71–72
D		7400	7610								<*	PR
L												B*
A	1	7400	7610			A6167						
D		7610	7990	80			454		Q*	P=		
L				35	R2		687					
D		7610	7660								<=	PR
L												B*
A	1	7610	7660			A6168						
D		7660	7990								<*	
A	1	7660	7800			A6169						
A	1	7800	7990			A6170						
D		7990	8290	89			554		Q*	P=	<)	
L				63	R2		555					
A	1	7990	8090			A6171						
A	1	8090	8210			A6172						
D		8210	8290								<+	
A	1	8210	8290			A6173						
D		8290	8610	94			555		P=	Q)		
L				24	R2		XXX					
D		8290	8390		F3						<)	
A	1	8290	8390			A6174						
D		8390	8860		BX						<)	
A	1	8390	8500			A6175						
A	1	8500	8610			A6176						
D		8610	9090	77			577	P5				
L				14	R1		XXX			PS		
D		8610	8660								<1	

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(Geolog. Form 3)

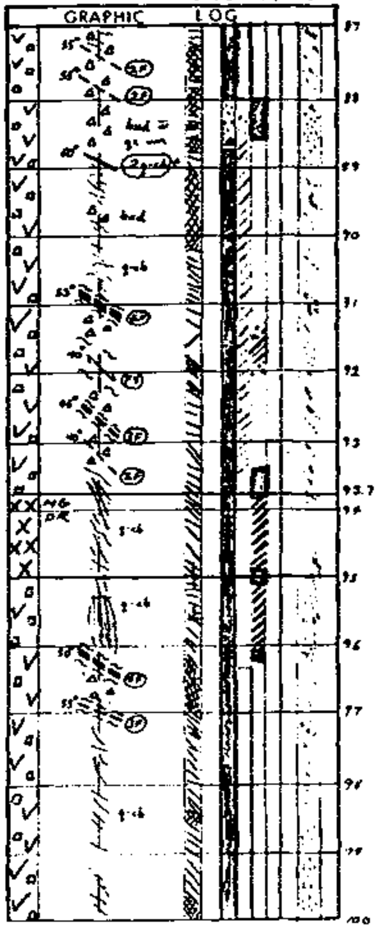
IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	LOGGED BY	PAGE
6BD201	W/WAY	DDH-06	SRF	08/13

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

	FROM	TO	RECOV	T-MOD	ROCK	QZ VEINS	FILL IN COLUMN HEADINGS FOR NA/XX TYPE HEADINGS
1							CL CB SI KF PI P2 P3
L			RQD	CS	CS	FRACTURES	EP SE SP CP LI MA

ROCK TYPE — VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

(86.6-88.6) bxd c̄ two 1cm gouges @ 55°, very [illegible], one patch of strong sil'n, 2-8% qc [illegible] following bxn fractures + minor areas of [illegible], 1% py as patches following fractures.

(88.6-90.9) highly fractured, minor bxn, one 2cm gouge, [illegible], 60°, [illegible]; 3-4% qc as ff, 0.5% py as patches controlled by fractures.

(90.9-92.6) 10cm gouge @ 91.0 @ 55°, zones of bxn, + mod. sil'n @ 40°. 6cm gouge @ 92.6 @ 85°. 5-6% qc vn + ff, 0.5-1.0% py as ff.

(92.6-93.7) bxd, zone of intense sil'n pink in colour, 1cm gouge @ 80°, 6-7% qc vns, 0.5% py as ff.

(93.7-95.0) M.G. DIORITE - definite change in colour to a light greenish grey but may be due to alt'n since mineralogy + texture are similar to m.g. dio. Hex to very [illegible] foliated, very soft (H=3) but has a glassy sheen (mod. sil'n?). 4-5% qc ff, tr diss py.

(95.0-96.0) mod sil'n, fracturing parallel to c.a., [illegible] extremely bleached, 10% qc ff, 1-4% py as ff.

(96.0-97.0) TWO fault gouges; 16cm gouge @ 96.3 @ 50°, 5cm gouge @ 97.0 @ 55°; [illegible] is bxd between gouges with some pasty gouge as mtx between frags. 3-4% qc as ff, 1-2% py as large blebs. fract. controlled.

(97.0-100.0) mod to very [illegible] [illegible], 2-3% qc ff, 0.5% py as blebs.

A (1/4)	FROM (5-10)	TO (11-16)	18-20	21-23	24-27	43-46	57-64	65-68	69-72
D	8660	8860							<)
A1	8660	8860			A6178				
D	8860	9090							<*
A1	8860	9090			A6179				
D	9090	9370	95	BX		553			<>
L			70	R2		445			
A1	9090	9260			A6180				
A1	9260	9370			A6181				
N	9370	9500	99		MGOR	433	P4P*P+	D·	
L			49	R2		433	P6		
A1	9370	9500			A6182				
D	9500	9700	100			544			
L			37	R2		556			
D	9500	9600					P*P+		<=
A1	9500	9600			A6183				
D	9600	9700		BX			P+Q*		<)
A1	9600	9700			A6184				
D	9700	10100	73			444			
L			70	R2		655			
D	9700	10000						3*	
A1	9700	10000			A6185				

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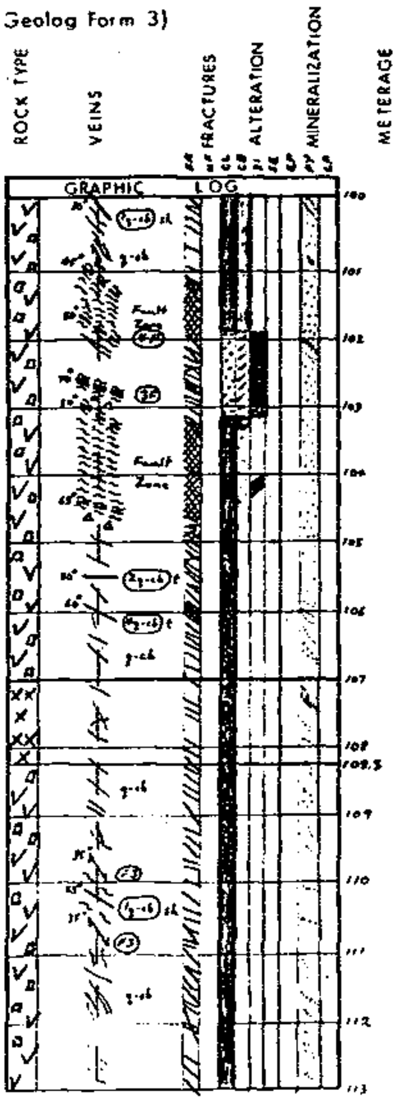
(Geolog Form 3)

IDEN	Unique ID of Project	Drill Hole / Traverse	By	Page
6B0201	WINDY	ODH-06	SRF	09 / 13

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

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: C L C B S I K F P I P 2 P 3 / E P S E S P C P L I M A

RQD — CS — FRACTURES



DESCRIPTIVE REMARKS

(100.0-101.0) mod to very wkly fol'd @ 40°, highly fractured with some ch'l f.f., 7-8% qz ff, 0.5-1.0% py as ff

(101.0-101.9) FAULT ZONE - light grey gouge material w 10% frags, gouge @ 45-50°, blebs of py xtls in gouge (0.5%)

(101.9-103.1) extremely sil'd + bleached, bx gouge @ 102.8 @ 70°, brd from 102.9-103.1, rare qz frags, 0.5-1.0% finely dissd py

(103.1-104.6) FAULT ZONE - light grey gouge w 10-15% sil'd (103.1-103.4) + chl'c frags, 0.2-0.5% qz frags, 0.2-0.5 diss py

(105.7-106.6) 4 cm qz-cb vn, tm, 60°, remaining bx w 4-5% qz tm stgs, 0.5% diss py in + adjacent to fractures

(@107.0) gradational cont

(107.0-108.3) MEDIUM GRAINED DIORITE - dark grey, H=3, mod, 25-30% mafic xtls, euhedral shape, some elongate, avg size 1mm; interlocking PF xtls 30% MAFICS, 70% PF. Strongly chl'd + sericd, 1% qz stgs, 0.5% py as blebs in fractures

(@ 108.3) brd cont w fragmental ang. porph flow - evidence of chilled margin within dio dike

(109.9-110.7) wkly fol'd @ 35°

(109.9-113.0) 3-9% qz ff, 0.5% py as f.f. + blebs

1	4	From (5-10)	To (11-16)	Recov. / RQD (18-20)	Rock (21-27)	Qz veins / Fractures (43-46)	57-68	69-70
D		10000	10100					<)
A	1	10000	10100		A6186			
D		10100	10460	81		020		
L				06	R1	XXX		
N		10100	10190		XFALT		B*	
A	1	10100	10190		A6187			
D		10190	10310				P= D)	
A	1	10190	10310		A6188			
N		10310	10460		XFALT		Q) D*	
A	1	10310	10460		A6189			
D		10460	10700	100		133		
L				42	R2	055		
N		10570	10660				D*	
A	1	10570	10660		A6190			
N		10700	10830	100		111	P3	<*
L				85	R2	021	P7	
A	1	10740	10900		A6191			
D		10830	11300	100		133	B*	<*
L				66	R2	346		
D		10900	11070		E3			
A	1	10990	11300		A6192			

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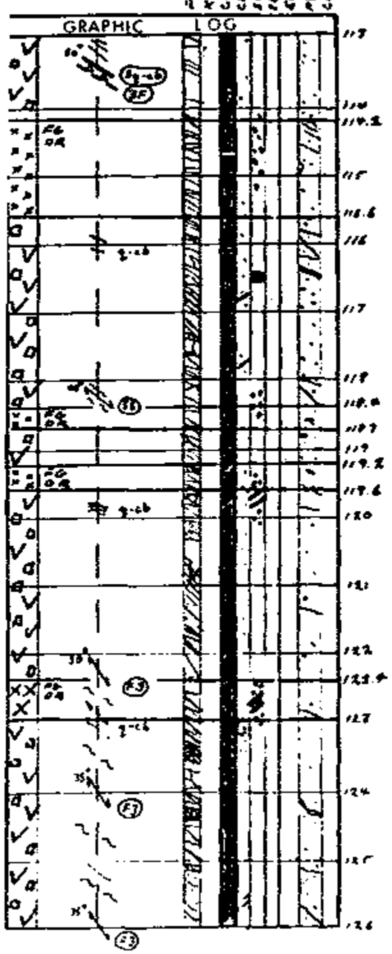
INC.
(Geolog form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED BY	PAGE
IDEN6B0201 WINDY	DDH-06		SRF	10/13

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

Column headings (57–76): CL CB SI KF P1 P2 P3 / EP SE SP CP LI MA
RQD · CS · EG · FRACTURES



DESCRIPTIVE REMARKS
(113.0-118.6) 3cm gouge @ 50°, paralleled by 5cm qz vn, 50°, contains altd frags from fault, tr dissem py; bx'n modly fractured c 4-5% qz f.f., 0.2-0.3% py along qz ff contacts
(@ 114.2) sharp cnt @ 10°
(114.2-115.6) FINE GRAINED DIORITE - as prev. described from 37.3 to 50.3. Strong chl + sec alt'n, rare qz bricking fracs, tr py, @ 115.6 sharp cnt @ 55°
(116.4-117.0) modly fractured, one patch of silica rimmed by albite, tr. % dissem py, intermixed with 4-5% py on f.f.
(118.0-118.4) modly shrd @ 45°, 0.5% qz vns, 1-2% dissem py
(118.4-118.7) FINE GRAINED DIORITE - sharp cnts, both @ 50°, no qz, tr dissem py
(118.9-119.1) F.G. DIORITE
(119.2-119.6) F.G. DIORITE
(119.6-120.0) wk shrg @ 80°, intersected w 5-6% qz vns, 1% dissem py
(120.0-122.9) wkly foltd @ 30-35°
(122.9-123.0) M.G. DIORITE - @ 122.9 sharp cnt @ 20° + @ 123.0 sharp cnt @ 45° accomp. by fracturing and q.c. filling. Chill margins, no qz with exception of lower cnt, tr dissem py. wkly foltd @ 40°

1	4	FROM (5–10)	TO (11–16)	RECOV (18–20)	T-MOD / % MOD (21–23)	ROCK (24–27)	QZ VEINS (43–46)	65–68	69–72
D		113.00	118.00	96			241	D·	<·
L				34	R2		284		
D		113.00	113.60						<M
A	1	113.00	113.60		A6193				
N		114.20	115.60			XFGDR			
D		116.40	117.00						<=
A	1	116.40	117.00		A6194				
D		118.00	122.00	98			012	D·	<·
L				28	R2		476		
D		118.00	118.40		S5			D>	
A	1	118.00	118.40		A6195				
N		118.40	118.70			XFGDR			
N		118.90	119.10			XFGDR			
N		119.20	119.60			XFGDR			
D		119.60	120.00		S3			D)	
A	1	115.60	120.00		A6196				
D		122.00	127.70	97	F3		142	D·	<·
L				32	R2		478		
N		122.40	123.00			XMGDR			

PLACER DOME INC.

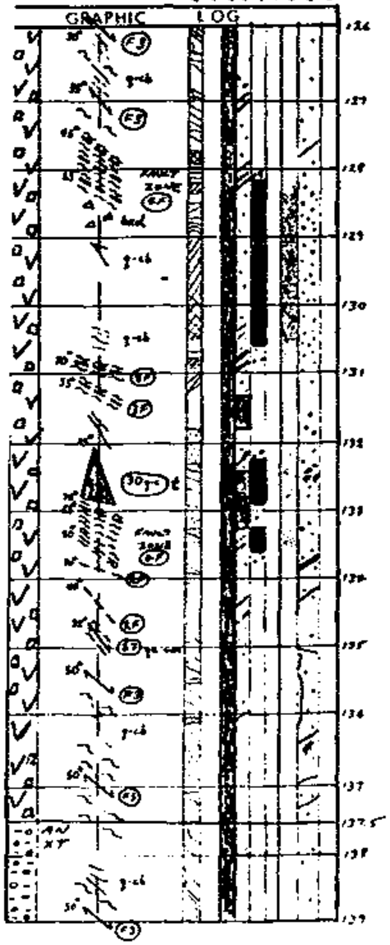
(Geolog Form 3)

1DEN6B0201	UNIQUE ID OF PROJECT: W/NDY	DRILL HOLE / TRAVERSE: DDH-06	LOGGED BY: SRF		1/1/3
S	DRILL COORD SYSTEM UNITS: M/F: T	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING / EASTING / ELEVATION

Column headings for HA/XX type headings: CL CB SI KF P1 P2 P3 / EP SE SP CP LI MA

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

GRAPHIC LOG



DESCRIPTIVE REMARKS

(127.0-127.7) strongly altered, highly fractured, 2-3% qz veins, tr py as blebs

(127.7-128.3) FAULT ZONE - 50% gouge, 50% altered brecciated frags, 1-2% qz veins, tr py as blebs + ff in frags - faulting @ 45-50°

(128.3-129.0) strongly altered + weakly brecciated, 5-6% qz ff, tr diss py

(129.0-130.0) strongly altered, 1-2% qz ff, 0.5% diss py + as ff

(130.0-131.0) strongly altered, 1% qz ff, tr py; 3 cm gouge @ 70° @ 130.9

(131.0-132.3) 2 cm gouge @ 131.2 @ 55°, 4-5% qz ff, tr diss py

(132.3-132.6) 30 cm qz vein, tan, @ 15° + X°, 15-20% altered [illegible] 3-4% diss py [illegible] @ contact of [illegible] frags

(132.6-133.5) FAULT ZONE - gouge + altered [illegible] frags (15-20%), @ 50°-65°, tr diss py

(133.5-134.5) mod to very weakly foliated, 1 cm gouge @ 70° + 1 cm gouge 40°, 2-3% qz as fine ff, 0.5% py as banding

(134.5-135.5) 3 cm shear @ 134.8 @ 30°, 50% qz vein + remaining [illegible] mod to very weakly foliated, 0.5% py as ff + dissem

(135.5-[illegible]) weak to mod foliated @ 50°

(135.5-136.4) 1% qz stringers, 1-2% py as bands

(136.4-137.3) strongly bleached + fractured - difficult to distinguish orig. texture - may possibly be a tuff; interval contains 1% qz ff, 0.5% py as ff + tr dissem

(137.3-137.5) very black + fg, mod foliated, may possibly be a flow top [illegible] tuff, 0.5% qz veins, tr diss py

(@ 137.5) [illegible] cut @ 50°

(137.5-144.9) CRYSTAL TUFF - med green, H 3, weakly foliated, 25-30% mafic xtls, subhedral [illegible]

1-4	FROM (5-10)	TO (11-16)	RECOV / RQD (18-20)	21-23	ROCK (24-27)	QZ VEINS / FRACTURES (43-46)	57-64	65-76
A1	12700	12800			A6197			
W	12770	12830			XFALT			
D	12770	13100	97			222	P*P=	D·
L			00			XXX		
A1	12800	12900			A6198			
D	12900	13000						D)
A1	12900	13000			A6199			
A1	13000	13100			A6200			
D	13100	13550	100			132	Q)	
L			20			XXX		
A1	13100	13230			A6201			
W	13230	13260			XQCVN			D=
A1	13230	13350			A6202			
W	13260	13350			FALT			
D	13350	13550						<)
A1	13350	13450			A6203			
A1	13450	13550			A6204			
D	13550	13750	100	F3		132	Q*	<)
L			35			344		
A1	13550	13640			A6205			
A1	13640	13750			A6206			
P	13750	14490		F3	ANXT		P4Q Q·	D· <·
L							P6	
O	13750	14090	100			121		
L			53			167		

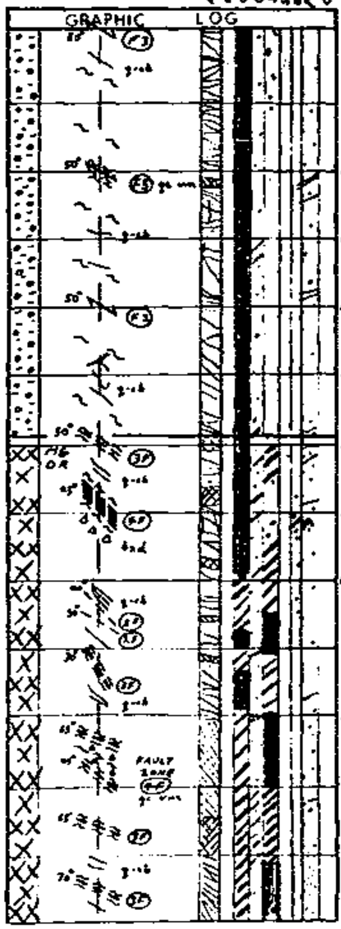
PLACER DOME INC. (Geolog form 3)

IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	LOGGED BY	PAGE
6 B0201	WINDY	DDH-06	SRF	12 / 13

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

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

GRAPHIC LOG



METERAGE: 139, 140, 141, 142, 143, 144, 144.9, 145, 146, 147, 148, 149, 150, 151, 152

DESCRIPTIVE REMARKS

fine 1mm increasing to an avg. 2-3mm towards bottom of unit. Very Py-rich. 35-40% MAFIC, 60-65% PF. Strong chl + ser alt'n, wk patchy carb'n, tr py as ff. & dissem.

(140.2-144.5) modly sil'd @ 50°, 7-8% qz vns, 2 to 3% py as bands

(@ 144.9) sil'd cut @ 50°

(144.9-153.1) MEDIUM GRAINED DIORITE – light grey in colour, H=3.0 to 3.5, equigranular, massive, mag., 30% mafics, 70% PF, zones of strong silic'n + faulting, tr diss py + ff py

(@ 146.0) 12 cm of gouge + frags @ 45°, very chl'ic, tr diss py

(146.8-148.9) mod to strongly sil'd, 2 1cm gouges @ 40° + 50°, @ 148.3 7cm of gouge @ 30°, 7-8% qz ff, tr py

(148.9-150.1) strongly sil'd, gouge w sil'd frags from 149.3-149.6 @ 65° to 45°, 3-4% qz as ff., tr py

(150.1-151.5) modly sil'd, highly fractured, 4-5% qz ff., 0.5% diss py

(151.5-153.1) strongly sil'd, 20 cm of gouge @ 152.5 @ 50°, 2-3% qz, tr py

Coded data

Code (1, 4)	FROM (5-10)	TO (11-16)	RECOV / RQD (18-20)	T-MOD (21-23)	ROCK / CS (24-27)	QZ VEINS / FRACTURES (43-46)	57-76 (FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS)
I							CL CB SI KF PI P2 P3
L			RQD		CS	FRACTURES	EP SE SP CP LI HA
D	14090	14490	100			332	
L			35	R2		364	
D	14090	14150		F5			L+
A1	14090	14150			A6207		
P	14490	15310					P3 P) Q+ D·
L							P7
O	14490	14890	98			113	
			33	R2		276	
W	14590	15010		X	FALT		
A1	14680	14890			A6208		
D	14890	15310	95			020	
L			07	R2		XXX	
D	14890	15010					P=
A1	14890	15010			A6209		
D	15010	15150					DX
A1	15010	15150			A6210		
A1	15150	15310			A6211		

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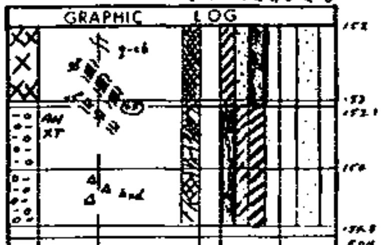
(Geolog Form 3)

IDEN	Unique ID of Project	Drill Hole / Traverse	Size of Core	Logged	By	Page
6B0201	W/NDY	DDH-06			SRF	13/13

S	Drill Coord System Units	M/F	Total Depth/Length	AZM	V ANG	Northing	Easting	Elevation
		T	.	.	.	.	.	.

1	4	From (5–10)	To (11–16)	Recov (18–20)	Y-Mod / %Mix (21–23)	Rock (24–27)	QZ Veins S M L Tot (43–46)	Fill in column headings for HA/XX type headings (57–76)
/								C L C B S I K F P 1 P 2 P 3
				RQD		CS	Fractures S M L Total	
L								E P S E S P C P L I H A

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



DESCRIPTIVE REMARKS	A	4	From	To	Recov	Y-Mod	Rock	QZ Veins	57–76
(@152.1) faulted out @ 45°	D		15270	15280			X FAGT		
(152.1-154.8) CRYSTAL TUFF - as previously described from 137.5-149.9. Highly fractured with mod silic. 2-3% py. Lb, tr py	P		15310	15480	100		ANXT	121	P4 P+ P+ D.
					00			XXX	P6
(@ 154.8) END OF HOLE									

*** DRILL HOLE :DDH-06 ***

Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A6135	15.20	16.80	1.60	0.4	8	3	160	
A6136	16.80	18.20	1.40	0.1	1	80	136	
A6137	18.20	20.20	2.00	0.2	22	25	100	
A6138	20.20	21.20	1.00	0.4	10	45	198	
A6139	21.20	21.60	0.40	1.9	126	40	480	
A6140	21.60	22.10	0.50	1.1	66	60	249	
A6141	22.10	23.20	1.10	0.7	20	180	305	
A6142	23.20	24.30	1.10	1.1	56	120	258	
A6143	24.30	24.80	0.50	0.3	51	125	341	
A6144	24.80	26.10	1.30	0.1	5	65	162	
A6145	30.00	31.00	1.00	0.1	45	95	25	
A6146	32.30	33.30	1.00	0.1	2	105	37	
A6147	33.30	33.70	0.40	0.1	7	30	72	
A6148	33.70	36.00	2.30	0.1	2	15	85	
A6149	38.00	39.30	1.30	0.1	19	10	83	
A6150	39.30	41.30	2.00	0.1	8	3	19	
A6151	41.30	43.60	2.30	0.1	4	35	190	
A6152	43.60	44.30	0.70	0.1	15	45	310	
A6153	46.30	46.90	0.60	0.1	13	80	274	
A6154	48.00	48.80	0.80	0.1	18	35	236	
A6155	49.50	50.30	0.80	0.1	10	20	208	
A6156	51.70	53.00	1.30	0.2	8	10	301	
A6157	53.00	53.90	0.90	0.2	7	45	490	
A6158	56.20	57.10	0.90	0.3	8	60	160	
A6159	61.00	62.10	1.10	0.1	51	20	268	
A6160	62.10	63.00	0.90	0.2	36	45	365	
A6161	63.00	65.10	2.10	0.1	16	20	273	
A6162	66.70	68.00	1.30	0.2	32	80	600	
A6163	68.00	68.80	0.80	0.2	13	35	500	
A6164	68.80	70.00	1.20	0.1	12	130	246	
A6165	70.00	73.00	3.00	0.2	17	30	490	
A6166	73.00	74.00	1.00	0.1	14	35	294	
A6167	74.00	76.10	2.10	0.2	59	20	251	
A6168	76.10	76.60	0.50	0.4	75	30	120	
A6169	76.60	78.00	1.40	0.1	23	20	336	
A6170	78.00	79.90	1.90	0.4	111	40	388	
A6171	79.90	80.90	1.00	0.1	31	40	356	
A6172	80.90	82.10	1.20	0.2	69	55	184	
A6173	82.10	82.90	0.80	0.6	91	75	142	
A6174	82.90	83.90	1.00	1.3	104	50	120	
A6175	83.90	85.00	1.10	0.7	79	90	95	
A6176	85.00	86.10	1.10	0.4	66	65	63	
A6178	86.60	88.60	2.00	0.6	85	75	136	
A6179	88.60	90.90	2.30	1.1	130	80	183	
A6180	90.90	92.60	1.70	0.5	73	3	134	
A6181	92.60	93.70	1.10	0.8	75	3	125	
A6182	93.70	95.00	1.30	0.1	11	3	43	
A6183	95.00	96.00	1.00	0.4	48	15	86	
A6184	96.00	97.00	1.00	1.9	131	55	185	
A6185	97.00	100.00	3.00	1.2	108	45	170	
A6186	100.00	101.00	1.00	1.0	63	45	88	

*** DRILL HOLE :DDH-06 ***

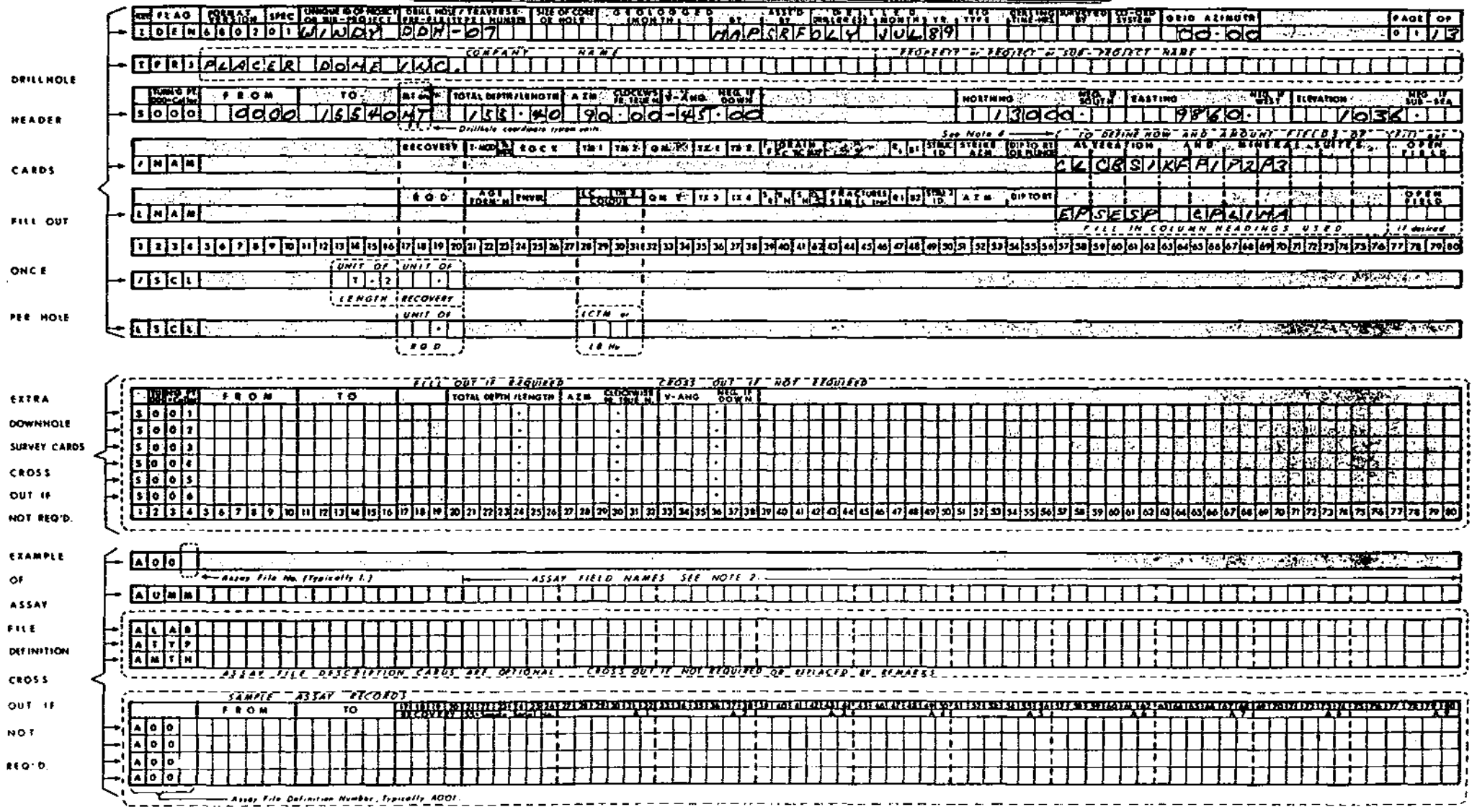
Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A6187	101.00	101.90	0.90	1.6	96	30	151	
A6188	101.90	103.10	1.20	0.2	24	10	46	
A6189	103.10	104.60	1.50	1.1	59	35	88	
A6190	105.70	106.60	0.90	0.4	18	40	152	
A6191	107.40	109.00	1.60	0.1	18	25	182	
A6192	109.90	113.00	3.10	0.1	14	40	122	
A6193	113.00	113.60	0.60	0.1	8	20	110	
A6194	116.40	117.00	0.60	0.1	5	10	366	
A6195	118.00	118.40	0.40	0.1	12	3	224	
A6196	119.60	120.00	0.40	0.1	5	3	130	
A6197	127.00	128.00	1.00	0.1	6	15	102	
A6198	128.00	129.00	1.00	0.1	10	3	118	
A6199	129.00	130.00	1.00	0.1	23	3	130	
A6200	130.00	131.00	1.00	0.4	12	35	106	
A6201	131.00	132.30	1.30	0.6	28	50	213	
A6202	132.30	133.50	1.20	0.6	16	40	105	
A6203	133.50	134.50	1.00	0.1	10	50	62	
A6204	134.50	135.50	1.00	0.2	12	45	83	
A6205	135.50	136.40	0.90	0.1	16	40	104	
A6206	136.40	137.50	1.10	0.1	26	30	127	
A6207	140.90	141.50	0.60	0.1	64	40	190	
A6208	146.80	148.90	2.10	0.1	7	55	33	
A6209	148.90	150.10	1.20	0.2	18	5	88	
A6210	150.10	151.50	1.40	0.1	16	35	87	
A6211	151.50	153.10	1.60	0.1	8	15	33	

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A6666	17.68	20.73	3.05	0.1	20	72
A6667	20.73	23.77	3.04	0.9	40	228
A6668	23.77	26.82	3.05	0.5	25	207
A6669	26.82	29.87	3.05	0.1	3	56
A6670	29.87	32.92	3.05	0.1	15	35
A6671	32.92	35.97	3.05	0.1	20	83
A6672	35.97	39.01	3.04	0.1	35	96
A6673	39.01	42.06	3.05	0.1	3	85
A6674	42.06	45.11	3.05	0.1	5	229
A6675	45.11	48.16	3.05	0.1	3	250
A6326	48.16	52.21	4.05	0.1	3	245
A6327	52.21	54.25	2.04	0.1	30	343
A6328	54.25	57.30	3.05	0.1	35	308
A6329	57.30	60.35	3.05	0.1	30	285
A6330	60.35	63.40	3.05	0.1	30	300
A6331	63.40	66.45	3.05	0.1	25	247
A6332	66.45	69.49	3.04	0.1	30	291
A6333	69.49	72.54	3.05	0.1	30	370
A6334	72.54	75.59	3.05	0.1	25	250
A6335	75.59	78.64	3.05	0.2	3	330
A6336	78.64	81.69	3.05	0.1	3	294
A6337	81.69	84.73	3.04	0.4	50	158

*** DRILL HOLE :DDH-06 ***

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A6338	84.73	87.78	3.05	0.4	65	128
A6339	87.78	90.83	3.05	1.0	100	216
A6340	90.83	93.88	3.05	0.8	60	143
A6341	93.88	96.93	3.05	0.4	125	100
A6342	96.93	99.97	3.04	1.0	150	186
A6343	99.97	103.02	3.05	1.2	55	140
A6344	103.02	106.07	3.05	0.8	15	135
A6345	106.07	109.12	3.05	0.4	15	145
A6346	109.12	112.17	3.05	0.1	100	155
A6347	112.17	115.21	3.04	0.1	70	122
A6348	115.21	118.26	3.05	0.1	5	144
A6349	118.26	121.31	3.05	0.2	3	182
A6350	121.31	124.36	3.05	0.4	3	138
A6351	124.36	127.41	3.05	0.2	3	147
A6352	127.41	130.45	3.04	0.2	3	152
A6353	130.45	133.50	3.05	0.1	40	142
A6354	133.50	136.55	3.05	0.4	75	179
A6355	136.55	139.60	3.05	0.2	3	117
A6356	139.60	142.65	3.05	0.4	3	118
A6357	142.65	145.69	3.04	0.2	3	146
A6358	145.69	148.74	3.05	0.1	3	165
A6359	148.74	151.79	3.05	0.1	3	110
A6360	151.79	154.80	3.01	0.1	3	76

PLACER DOME INC. GEOLOG DRILLHOLE HEADER FORM



Notes:

1. - Do not change /NAM, LNAM, /SCL, LSCL, or AUMM card definitions during a project. Blanks may be changed later.
2. - On AUMM card, right adjust names so that 8 th 4 letters make sense. They will be "stats" header names.
3. - Units of distance on 5000 card are for survey coordinates, those on /SCL card are for downhole distances.
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.

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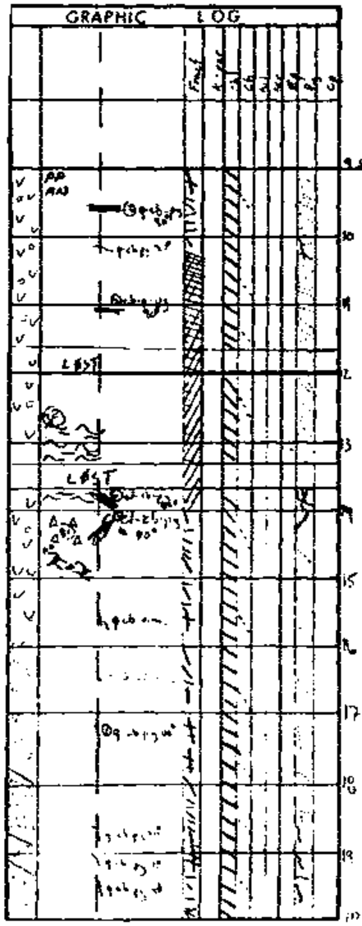
(Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED BY	PAGE
1 0 E N 6 8 0 2 0 1	W/ANDY DDH-07			0 2 / 3

DRILL COORD SYSTEM UNITS: S — M/F: 1 — TOTAL DEPTH/LENGTH — AZM — V ANG — NORTHING — EASTING — ELEVATION

Column headings: ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: / : CL CB ST KF P1 P2 P3 P4 — L : FP SF SP CP LZ PA



DESCRIPTIVE REMARKS	1	FROM (5–10)	TO (11–16)	RECOV / RQD (18–20)	T-MOD (21–23)	ROCK (24–27)	QZ VEINS / FRACTURES (43–46)	57–64	65–68	69–72
0-9m: overburden		0000	900			ØVBN				
	P	900	10340			PPAN		P4<>		
9.0-10.34 ANDESITIC AUGITE PORPHYRY	L							P1		
dk green, H=~4.5, massive, porph text, 30% mafic phenos 2-7mm										
euhedral, traces of 5mm hb blades [illegible] 50% plag	D	900	1100	95	55		112		D.	<+
<20% matrix	L			20	R2		342			
mafics have been chloritized & fldsp sericitized, Rx	D	1000	1200	10			010			<?
cut by 1% ch veins, <1% qtz-carb veins, 2-3% py veinlets (at	L			00	R2		xxx			
the top of hole anyway).	A1	900	1160		A5	922				
Rx is sig. sheared as reflected by gouge zones & varying	D	1200	1390	33	9	FA T	000	P4<>	D.	
degrees of foliation @ ~50°.	L			00			xxx	P1		
F.G. Dykes (diorite) & MAFIC cuts the rx frequently, they	A1	1200	1390		A5	923				
display sheared & sharp contacts but the rx is frequently broken	D	1390	1460	100	RX		050			<y
up @ contacts.	L			95	R2		101			
9.8-9.9 Rx appears sericitic? [illegible]	D	1460	1790	100			210		D.	<.
9.0-11.0 2-3% py veinlets, <1% qtz-carb [illegible]	L			40	R2		xxx			
12.0-13.9: Fault gouge, traces dis py	A1	1390	1500		A5	924				
13.9-15.0: <1% py in veins [illegible]	A1	1500	1796		A5	935				
15.0-17.9: Traces of py veins	D	1790	1980	99	X	I D	1	P4<>		<7 PØ
17.9-19.5: MFG AND/DIOR Dyke [illegible] Rx phenos	L			35			xxx	P1		Q.
upper contact is sharp ~50° [illegible]	A1	1790	1950		A	976				
The rx is [illegible] broken up @ the lower contact [illegible]										
1% py veins & traces py replacing mafic phenos										

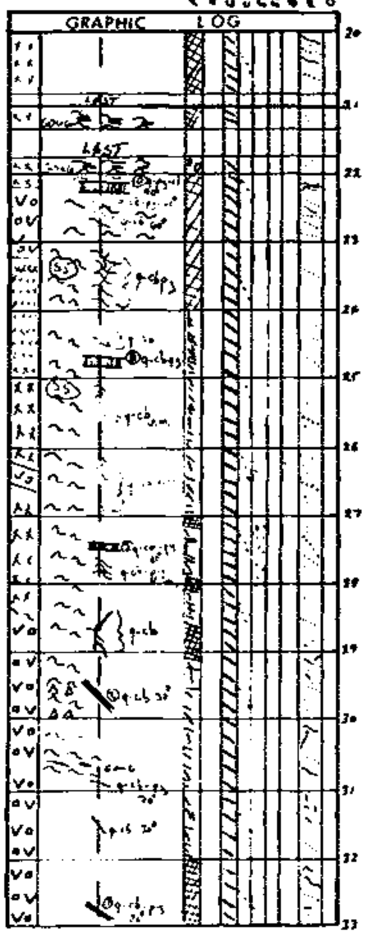
PLACER DOME INC.

(Geolog Form 3)

IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	PAGE / OF
IDEN6B0201	W/WDY	DDH-07	03/13

ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE

GRAPHIC LOG



	FROM	TO	RECOV.	T-MOD	ROCK	QZ VEINS	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
/							CLCBSIKFAIPZP3
			RQD	CS	G&S	FRACTURES	
L							EPSESF CPLIHA

DESCRIPTIVE REMARKS

19.8-21.9: BROWN SERICITE PYRITE: green, f-g, massive, equigran. text. 70% plag phen to cm, 40% matrix alt'd to chl. .5-1% py unlike which. The EGDR above grades into this MGDR. The lower contact is sheared, in contact w/ a fault.

21.9-22.05: Fault Gouge

22.05-23.3 - 10% qcb vein w/ py in veins.

23.3-26.4. MGDR as described above, ser alt is less

24.6-24.9 is a 6cm q-cb vein w/ 1% py.

26.3-27.5: Traces of py veins

27.5-28.0: weak silicific'n, 10% qcb vn w/ py.

28.0-31.0. Sheared & Ser'd PPAN <1% py veinlets & py in qcb veins. 5% qcb vein

A	FROM	TO	18-20	21-23	24-27	43-46	57-76
M	1980	2190	66	x	MGDR	010	P4 4 · <4
L			14	R2		xxx	P2
A1	1980	2190		A5	977		
M	2190	2205	99	x	F4 4 I		P4 · D.
L			99	R1			P2
D	2205	2330	80	55		231	<+
L			00	R2		xxx	
A1	2190	2330		A5	978		
M	2330	2640	106		MGDK	232	P3 · D. · <
L			76	R2		xxx	P+
A1	2460	2490		A4	979		
D	2640	2680	99			121	D. · <
L			70	RD		021	
M	2680	2810	90	55 x	MGDR	022	P3 · P1 · D. · <4
L			07	R1		xxx	P1
A1	2630	2750		A5	980		
A1	2750	2800		A5	981		
D	2800	3100	93	55		121	D. · <)
L			37	RZ		xxx	
A1	2800	3100		A5	982		
D	3100	3410	100			121	D. · <.
L			58			xxx	
A1				A6	983		

PLACER DOME INC.

(Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	PAGE OF
1 DEN 6802 01 WINDY	DDH-07	4/13

DRILL COORD SYSTEM UNITS: S

FROM	TO	RECOV.	T-MOD	ROCK	QZ VEINS	FILL IN COLUMN HEADINGS FOR NA/XX TYPE HEADINGS
						CL CB SI KF P1 P2 P3
		RQD	CS	GS	FRACTURES	EP SE SP CP LI MA

GRAPHIC LOG (ROCK TYPE, VEINS, FRACTURES, ALTERATION, MINERALIZATION) — METERAGE 33–46

DESCRIPTIVE REMARKS	Code (1,4)	From (5–10)	To (11–16)	18–20	21–27	43–46	57–76
34.1-38.6: Fault, chloritic gouge, unit is still intact	N	3410	3860	100	GØ X FAULT		P4 <) ... DAV. <)
but gouge is not pasty. Before faulting this unit had abundant	L			96	R1	X X X	P1
qtz-cb-py veins & py vnlts, the extended py is entering	A1	3410	3560		AS 984		
in the gouge. Presently ~5% q-cb vns.							
Upper contact 30°, lower 40°, Gouge is PPXD	N	3860	4170	100	MC PPAN	621	P4 <. ... <)
	L			96		030	P1
38.6-41.7: megacrystic and clear as Diorite, Porph text in aph gm.	A1	3860	4170		AS 985		
megacrysts are hb-rare blades (2% of 10%) are 3cm blades							
1-3% py veinlets							
41.7-42.5: megacrystic Diorite porph; same as above but ... (Cal?). Sharp contact w/ unit above @ ...	N	4170	4250	100	MC X PPDR	320	P3 <. ... <'
... hb blades in an aphanitic gm, Traces of py vnlts (2 ...)	L			100	R2	020	P1
@42.5 contact w/ a FGDR is sharp, a py vnlts	A1	4170	4250		AS 9??		
marks the contact @ 60°	N	4250	4250	99	MGDR	...	P3 <. ... D+ <=
	L			00	R2	271	
42.5-42.5: MGDR, Black, H=5, Massive, equigran	A1	4250	4290		AS 9??		
2-3% py vnlts, 2-3% dis py in gm, 1 qcb-py vein							
lower contact is to broken up to define.							
	C	4280	4450	90	SS	110	M. <)
42.8-44.5: Fault, crushed, ...	L			55	XL	XXX	
	A1	4280	4450		AS 9??		
44.5-46.3: weak sil, 3% ... Trace py ...	L	[illegible]	4630	14	S3		P1 ... D. ...
... from ... 45.5	L			33	K2		
	A1	[illegible]	4630		[illegible]		

PLACER DOME INC.

(Geolog form 3)

I D E N 6 8 0 2 0 1	UNIQUE ID OF PROJECT: W I W D Y	DRILL HOLE / TRAVERSE: D D H - 0 7	SIZE OF CORE	LOGGED	BY	ASST	DRILLER'S	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH		PAGE: 0 5 / 1 3
S	DRILL COORD. SYSTEM UNITS →	M/F: 1	TOTAL DEPTH/LENGTH	AZM	V. ANG					NORTHING		EASTING		ELEVATION		

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

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: C L C B S I K F P I P 2 P 3

RQD | C S | 65 | FRACTURES | E P S E S P | C P L I M A

GRAPHIC LOG

Meterage: 46, 47, 48, 49, 50, 51, 52, 53, 54, 54.5, 54.9, 55, 56, 57, 58, 59

DESCRIPTIVE REMARKS

46.3-47.4: Heavily Carbonate + 0.3% py veinlets

47.4-52.8: Heavily Carb/sheared, 2 faults - as coded, 2-5% py veinlets, 3% grph ... broken by slicing.

52.8-54.5: Broken up, Traces py.

54.5-54.9: v.f.g. Dior-dyke - no texture visible, 5% fine mafic phenoc. lower contact is brk'd 30°, upper contact sharp @ 40°. Traces py.

[illegible]

i	FROM (7-10)	TO (13-16)	18-20	21-23	ROCK (24-27)	43-46	65-66	69-70	61-62
D	46.30	47.40	95	53		1 1 0	0.	< x	
L			00	87		x x x			
A 1	46.30	47.40		A 5	9 9 0				
D	47.40	52.80	93	55		1 3 1	0.	< *	
L			28			x x x			
N	48.00	49.50		6 [illegible] 1	S A L T				
N	49.40	49.50		6 0 X	S A L T				
A 1	47.40	52.80		A 5	9 9 1				
C	52.50	54.50	99	53		0 3 1	0.	< .	
L			51			x x x			
D	54.50	54.90	94	X	I M / D	1 1 0	0.	< .	
L			55			0 1 1			
A 1	52.80	54.70		A 5	9 9 2				
D	54.90	56.40	97	53		1 0 0	0.	< .	
L			33			2 4 1			
A 1	54.70	56.40		A 5	9 9 3				
D	56.40	62.00	94			. 3 0	0.	< .	
L			57	R 2		4 4 1			(P)
A 1	56.20	58.90		A 5	9 9 4				
[illegible]	[illegible]	[illegible]		A [illegible]	[illegible]				
[illegible]	[illegible]	[illegible]		A [illegible]	[illegible]				

PLACER DOME INC.

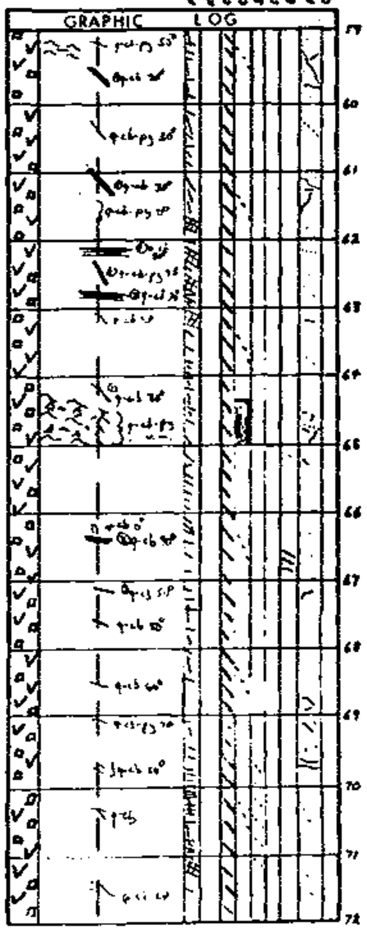
(Geolog Form 3)

IDEN	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
IDEN	680201	W/WOY	00H-07												06/13

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

Column headings: ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS
62.3–63.05 : 3 qcb veins 2 brnd + calcite, trace py
10% q-cb vein total
68.8–69.9 : 3% py veinlets
70.5–70.8 : 3% q-cb with ... trace py
72.0–72.4 : 2 cb-q veins 1cm wide w/ 1% py
2 ... q-cb vn. & trace py

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: C L C B S I K F P 1 P 2 P 3 (row /); E P S E S P C P L I M A (row L)

RQD · CS · FRACTURES · RECOV. · SS - Sample Serial No.

1	4	FROM (5–10)	TO (11–16)	RECOV (18–20)	T-MOD (21–23)	ROCK (24–27)	QZ VEINS (43–46)	57–60	61–64	65–68	69–72
D		6700	6420	90			721			0·	<·
L				34	R2		442		P)		
A	1	6210	6305		A5	917					
D		6420	6500	100	57		111	P· P3		0·	<·
L				88	R2		111		P3		
A	1	6420	6500		A5	978					
D		6500	6880	100			011		P)	0·	<·
L				98	R2		132		P)		
D		6856	6980	99			001			0·	<)
L				39	R2		112		P)		
A	1	6850	6980		A5	999					
D		7000	7416	99			311		Q)		<·
L				24	R2		333		P)		
A	1	7050	7080		A6	000					
A	1	7200	7240		A6	001					
A	1	7310	7340		A6	002					

PLACER DOME INC.

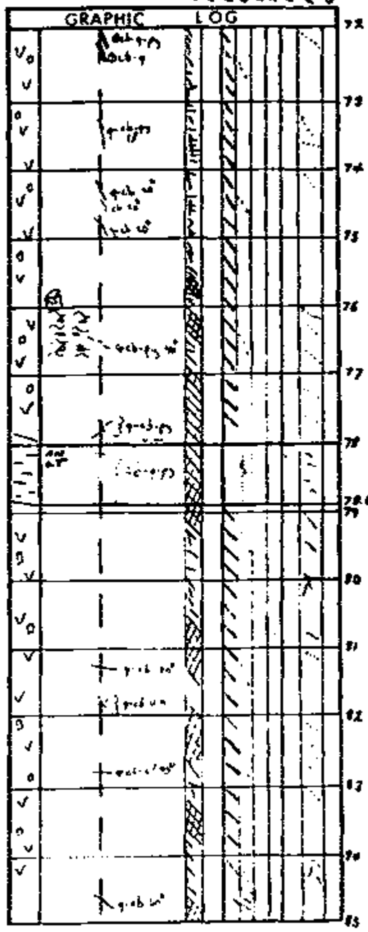
Geolog Form 3)

Unique ID of project	Drill hole / traverse	Page
IDEN6B0201 W/WDY	DDH-07	07/13

DRILL COORD SYSTEM UNITS: S | M/F: T

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

GRAPHIC LOG



	FROM	TO	RECOV.	T-MOD / %	ROCK	QZ VEINS	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1							C L C B S I K F P 1 P 2 P 3
			RQD	C S	CF	FRACTURES	
L							E P S E S P C P L I M A

DESCRIPTIVE REMARKS	A 1 4	FROM 5–10	TO 11–16	18–20	21–23	24–27	43–46	57–76
	Q	74.10	77.95	91			3 1 0	< ·
75.4-76.7: Fault gouge, 2% py veinlets, 5% q-cb vns	L			52	P 2		x x x	P1)
@ 76.7 sharp contact ~50°, (core) is broken @ 76.7	N	75.90	76.20			FAULT		<)
	A 1	75.90	76.70		A6	003		
76.7-77.95: 1% py veinlets	A 1	76.70	77.95		A6	004		
77.95-78.8: TUFF; beige, [illegible], partially bedded @	N	77.95	78.80	85	X	ANKT	003	<2 <)
40-50°. Fol. @ ~30° of q-cb units parallel to fol. Py	L			01	P 2		x x x	P3
veinlets also parallel to fol.	A 1	77.95	78.80		A6	005		
Contacts are too broken up to define, appear to be sharp								
@ 30°								
	Q	78.80	84.00	73			· 2 4	<*
	L			20			x x x	P3)
79.95-81.8: 4% py veinlets	A 1	79.95	81.40		A6	006		
81.8-82.5: py on [illegible] (2%)	A 1	81.80	82.50		A6	[illegible]		
81.0-82.0: Re cont. 10% mm [illegible] which are								
chaotic in comp. These are either mesh[illegible] veins or								
[illegible] planes which have been replaced - as this section								
contains very few (<1%) mafic phases.								
	Q	84.[illegible]	[illegible]	93	0 X		2 2 3	<*
84.0-84.7: sheared [illegible]	L			40	P 1		1 3 1	P·
3-5% [illegible]	A 1	84.20	84.70		A6	008		

PLACER DOME INC.

Geolog Form 3)

	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASS'T	DRILLER(S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE OF
IDEN680201	W/NOY	00H-07													08/13

	DRILL COORD SYSTEM UNITS	M/F	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION
S		3	.	.	.	.	.	.

Column headings: FROM (5–10), TO (11–16), RECOV (18–20), T-MOD (21–22), W/MOD (23), ROCK (24–27), QZ VEINS S M L TOT (43–46), FILL IN COLUMN HEADINGS FOR MA/XX TYPE HEADINGS (57–76): C L C B S I K F P I P 2 P 3 / E P S E S P C P L I M A; RQD, CS, SS; FRACTURES S M L TOT; RECOV, SS: Sample Serial No.

Graphic log columns: ROCK TYPE, VEINS, FRACTURES, ALTERATION, MINERALIZATION, METERAGE (85–98)

DESCRIPTIVE REMARKS	1	5–10	11–16	18–20	21–23	24–27	43–46	57–62	65–70
84.7-88.9 : Fault GOUGE : pale grey, pasty - comp is	N	84.70	88.90	64	6 Ø X		2 C 0	F 1	D.
ch (prob from veins), sec., talc, silica & poss kaolinite.	L			12	R 1		N X X	P 4	
Traces of py. Protolith either Flow or Tuff 5% qcb v.m	A	84.70	88.90			A6009			
88.9-89.6 : Lapilli Tuff : pale grey, 4 ... 10% subrounded	N	88.90	89.60	100	X	ANLT	1 2 1	P 1	D.
fragments 5-15mm, 90% < 2mm, 30% plag - 10% ...	L			100	R 2		0 2 1	P 4	
20% ... Partially silicified (weak), strong	A	88.90	89.60			A6010			
sericitization. Traces dis py.									
89.6-91.1 : Fault Gouge, as described above, ...									
... ANLT 5% qcb v.n.	N	89.60	91.10	100	6 Ø X	FALT	0 3 1	P 1	D.
	L			90	R 1		1 3 1	P 4	
@ 91.1 : Sharp contact w/ unsheared PPAN @ 10°	A	89.60	91.10			A6011			
91.1-92.0 : very weakly sheared PPAN, 1 zone of gouge 91.8-91.9	D	91.10	92.00	99	5 3		1 1 0	P 5	D.
strong pervasive chl altn, traces dis py.	L			33	R 2		1 3 2	P.	
	A	91.10	92.00			A6012			
92.0-93.1 : Fault w/ 80% gouge, 20% bx, Protolith PPAN	N	92.00	93.10	99	6 Ø X	FALT	0 2 0	P 2	C.
color green, not pasty, ... 2% py ...	L			55	R 1		1 3 1	P 3	
Contacts are ... angle ... 50°	A	92.00	93.10			A6012			
	D	93.10	97.00	99	5 3		1 1 0		C.
	L			38	R 2		X X X		
93.1-97.0 : [illegible] sheared, Trace py veinlets.	A	93.10	94.20			A6013			
	A	94.20	97.00			A6014			

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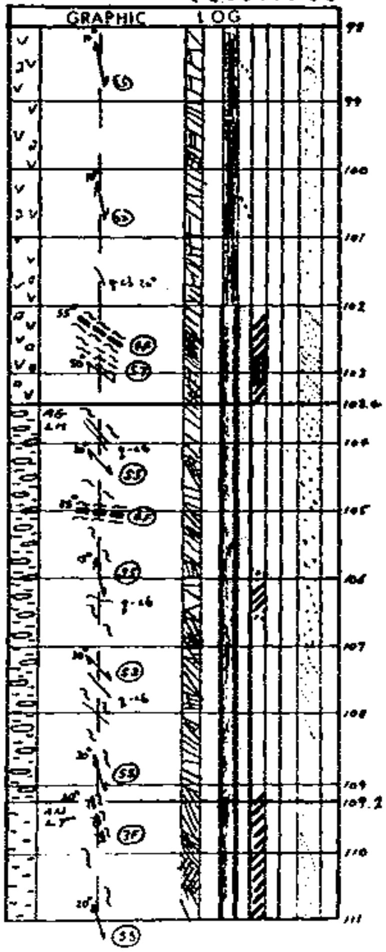
(Geolog form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	PAGE
1 DEN680201 WINDY	DDH-07	09/13

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

ROCK TYPE — VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE



DESCRIPTIVE REMARKS

97.4-98.6: <1% py veinlets, 1% dis py in gou. <<1% q-cb vein

(102.1-103.4) 15cm of gouge 95° to c/a brkd bnds, strongly clid, med to strongly silcd, 15-20% qz vns, 2 to 3% py on f.f., 0.5% diss py

(103.4-109.2) ANDESITIC AGGLOMERATE - med grey to brown, H=3.5 mod to mostly clid. Hard to distinguish original texture due to clay but definitely has frags. Possibly a bed dia than clid. 50% chl, 45% PF, 5% clay + carb. 1-2% py blebs along fractures, 2-3% qz vns.

(109.2-142.8) ANDESITIC LAPILLI AND CRYSTAL TUFF - light grey to med green, H=2 to 4, mod to strongly sheared, occasional fault gouges. Unit is so sheared that original features are mostly gone. Colour changes are sharp + abundant as are the obvious bedded volcanic ashes below this unit. Some thin flows may be present but too sheared to identify as such. Mineralogy changes but averages 50% mafics, 50% PF. Numerous qtz-carb clays + slts, 5-6% qtz-carb vns. Pervasive chl, ser + carb alt'n, patchy sil'n. Py-te in vn shear decreases towards end of unit.

Code (1, 4)	FROM (5–10)	TO (11–16)	RECOV. / RQD (18–20)	T-MOD / CS (21–23)	ROCK (24–27)	QZ VEINS / FRACTURES (43–45)	57–64	65–68	69–72
D	9700	9830	100	S5		000		D*	<·
L			96	R2		221			
D	9830	10210	100	S3		111		D·	
L			47	R2		XXX			
A1	9740	9860			A6015				
D	10210	10340	93	S7		OOO	P+	D*	<+
L			09	R1		XXX			
A1	10210	10340			A6212				
P	10340	10920	90	S4	AGLM	222	PSP+Q)		<)
L			23	R2		XXX	PS		
A1	10340	10520			A6213				
A1	10520	10670			A6214				
A1	10670	10800			A6215				
A1	10800	10920			A6216				
P	10920	14280			ANLT		P5P+		
L							PS		
D	10920	11280	93			431	P)		<)
L			10	R2		XXX			
A1	10920	11030			A6217				
A1	11030	11100			A6218				
D	10920	12420		S5					

Column headings (row I): CL CB SI KF PI P2 P3 — (row L): EP SE SP CP LI HA

LACER
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NC.
(Geolog Form 3)

IDEN	6 B 0 2 0 1	Unique ID of Project	W/WOH	Drill Hole / Traverse	DDH-07	Size of Core	Logged	By	Ass't	Driller(s)	Month	Year	Type	Time-Hrs	Surveyed	System	Grid Azimuth	Page 10 of 13

S	Drill Coord System Units	M/F T	Total Depth/Length	AZM	V Ang	Northing	Easting	Elevation

	From	To	Recov	T-Mod	½ Mix	Rock	Qz Veins	Fill in column headings for HA/XX type headings (57–76)
/								C L C B S I K F P 1 P 2 P 3
L			RQD	CS	GS		Fractures	E P S E S P C P L I H A

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

GRAPHIC LOG (meterage 111–124)

DESCRIPTIVE REMARKS

(109.8-112.8) light gray in colour, modly sil'd @ 20°-25°, 2-3% qz vns, 1-2% py as ff, to lenses

(112.8-113.7) qtz-ser schist, @ 25°, 0.5% sub py xtls (0.5mm in size)

(113.7-116.5) modly sil'd, 2-3% qz vns, 2-3% diss py

(116.5-118.7) wkly sil'd, 10-15% qz vns, 0.5% diss py

(118.7-120.3) med gray, modly sil'd, wkly shd, 0.5% qz stgr vns, 0.5% diss py

(120.9-121.0) dark green, may possibly be agglomeratic, wkly shd @ 10°, lite embedded py xtls

(121.0-121.5) FAULT ZONE - 8cm of gouge @ 30°, modly sil'd bxn zone, 20% qz ff, 1% diss py

(121.5-122.0) wkly bxd, 10% qz ff, 10% diss py, lt brownish gray lapilli tuff

(122.0-122.4) patch of cherty sil'n, 10% diss py to cpy

(122.8-123.0) 1% qz ff, 5-6% diss py

(123.0-124.2) med. brownish gray (agg?) + 5% qz [illegible] to py

Col 1	Col 4	From (6–10)	To (12–16)	Recov / RQD (18–20)	21	Rock / Sample Serial No (22–27)	Qz Veins / Fractures (43–45)	57–76
A	1	11100	11200			A6219		
A	1	11200	11280			A6220		
D		11280	11370	98			211	P2P+ P3 D)
L				34	R2		223	P5
A	1	11280	11770			A6221		
D		11370	11650	86			311	P) D+
L				21	R2		675	
A	1	11370	11470			A6222		
A	1	11470	11550			A6223		
A	1	11550	11650			A6224		
D		11650	11870	91			533	P* D*
L				18	R1		546	
A	1	11650	11870			A6215		
D		11870	12100	93			2[illegible]2	P) D*U*
L				17	R2		657	
A	1	11870	12030			A6226		
A	1	12030	12100			A6227		
D		12100	12420	1[illegible]			233	
L				30	R1		4[illegible]	
N		12100	12110			8FA17		P) D)
D		12110	12150		BX			P) D)
A	1	12100	12150			A6228		
D		12150	12240					P) D1
L								D-
A	1	12150	12200			A6229		P=
A	1	12100	12240			A62[illegible]0		
A	1	12240	12300			A6231		
A	1	12300	12420			A6232		

PLACER
DOME
INC.

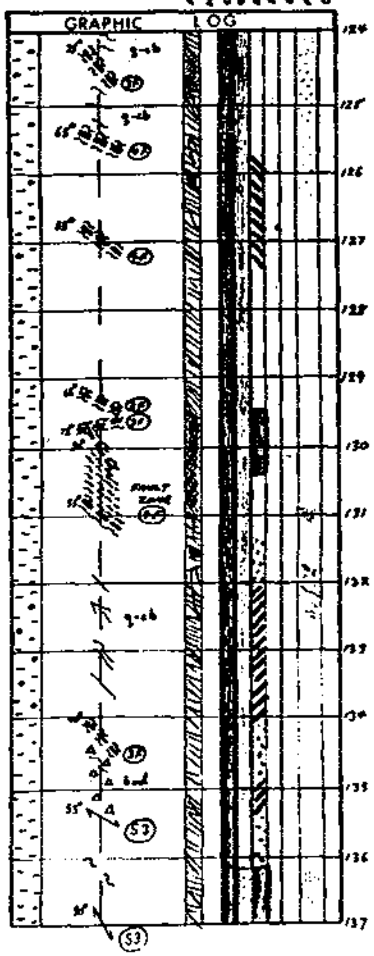
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASS'T'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE OF
1DEN680201 W/WDY	DDH-07													11 / 13

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

(Geolog Form 3)

ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE

GRAPHIC LOG



1	4	FROM (5–10)	TO (11–16)	RECOV (18–20)	T-MOD / Sample (21–23)	ROCK (24–27)	QZ VEINS (43–46)	57–60	61–64	65–68	69–76
1								CLCB	SIKF	PIP2	P3
				RQD	CS	CS	FRACTURES				
L								EPSE	SP	CPLI	MA

DESCRIPTIVE REMARKS

(124.2 - 129.6) mw to very wkly fol'd, med green in colour, 10% mafic xtls (avg size 1mm), xtl tuff? tr py

(129.6 - 131.1) FAULT ZONE - extremely gouged, strongly oxid to 130.4 then chl'c gouge 10% qz vns, tr py.

(131.1 - 132.1) highly fractured, some gouge, 15-20% qz fl, 0.5% py as f.f. & dissem

(132.1 - 134.0) mw xtl tuff, some evidence of bedding, 4-5% qz f.l., tr py stgs

(134.0 - 135.5) zone of wk bxn, 2-3% qz fl, veins

(135.5 - 140.1) wkly fol'd @ 30-55°, good evidence of bedding, 0.5% diss py

1	4	FROM	TO	18–20	21–23	24–27	43–46	57–60	61–64	65–68	69–76
D		12240	12300						P)	D=	
D		12300	12420						P)	D·	
A	1	12420	12570		A6	233					
A	1	12570	12700		A6	234					
A	1	12700	12960		A6	235					
P		12420	12960	95	S1		323			D·	
L				62	R1		XXX				
D		12570	12700						P)		
N		12960	13110	100		FALT	123		Q+	D·	
L				00	R1		XYY				
A	1	12960	13110		A6	236					
D		13110	13550	96			244		P)		
L				27	R2		674				
D		13110	13210							D*	<*
A	1	13110	13210		A6	237					
D		13210	13400								<·
A	1	13210	13400		A6	238					
D		13400	13550		BX						
A	1	13400	13550		A6	239					
D		13550	14010	9	S3		223		P)	D*	
L				11	R2		277				
A	1	13550	13670		A6	240					
A	1	13670	13900		A6	241					
A	1	13900	14010		A6	242					

PLACER DOME INC. (Geolog Form 3)

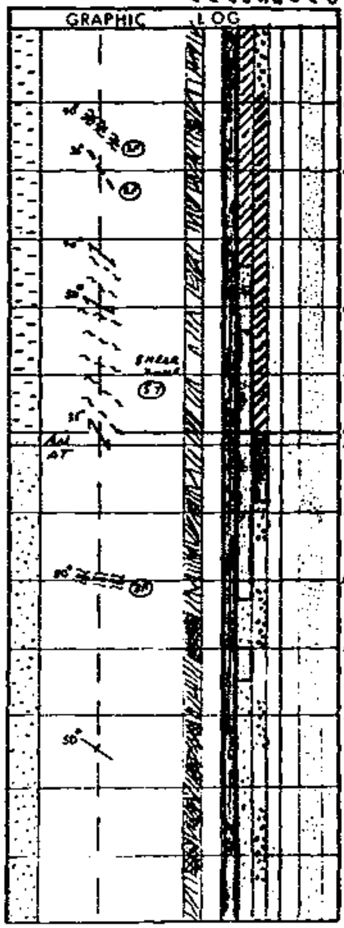
IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	PAGE OF
6 8 0 2 0 1	W / W D Y	D D H - 0 7	1 2 / 1 3

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

1	FROM	TO	RECOV.	T-MOD	ROCK	QZ VEINS	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1							C L C B S I K F P I P Z P 3
L			RQD	C S	C S	FRACTURES	E P S E S P C P L I M A

ROCK TYPE — VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE

GRAPHIC LOG



137 138 139 140 141 142 142.8 143 144 145 146 147 148 149 150

DESCRIPTIVE REMARKS	1	FROM	TO	RECOV. / T-MOD	ROCK	QZ VEINS	HA/XX
(140.1-142.8) shear zone - strongly chl'd @	D	14010	14280	97 57		3 3 3	D)
35-50°, mostly sil'd, very chl'c, 0.5-10%	L			05 R1		X X X	
diss py, 20-25% qz vns.	A1	14010	14110	A6243			
	A1	14110	14280	A6244			
(142.8-151.7) ASH TUFF - med to dark grey,	P	14280	15170		ANAT		P5Q*QX
H=4, very fine grained, some layers with	L						P5
small % of mafic & plag xtls, bedding @ 50-65° with	D	14280	14680	85		3 3 2	P)
avg thickness of 60cm to 1.0m. Strongly	L			04 R1		X X X	
chl'd & mod. wk patchy carb'n & sil'n,	D	14280	14500				DX
tr diss py, occ qz CC	A1	14280	14400	A6245			
(142.8-144.0) light grey, gritty texture,	A1	14400	14500	A6246			
0.5% diss py	A1	14500	14680	A6247			
(144.0-145.0) 0.2-0.5 diss py, 1-7% qz CC	D	14500	15070				D.
(145.0-146.8) 0.5% qz CC, tr py							
	D	14680	15170	78		3 3 4	
	L			18 R2		X X X	

PLACER DOME INC.

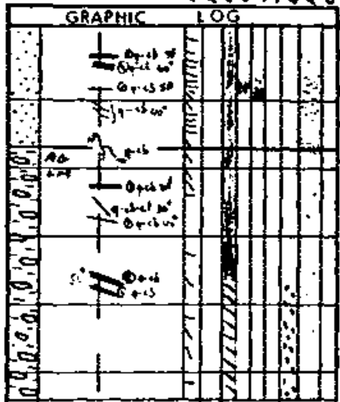
(Geolog Form 3)

IDEN680201 | Unique ID of project: WINDY | Drill hole / traverse: DDH-07 | Page: 13/1?

Drill coord system units — M/F: F | Total depth/length | Azm | V ANG | Northing | Easting | Elevation

	FROM	TO	RECOV	T-MOD	ROCK	QZ VEINS	FILL IN COLUMN HEADINGS FOR HA/XR 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	57–76
/							CLCBSIKFPIPZP3
			RQD	CS	CS	FRACTURES	
L							EPSESP CPLIMA

GRAPHIC LOG — ROCK TYPE, VEINS, FRACTURES, ALTERATION, MINERALIZATION, METERAGE



DESCRIPTIVE REMARKS

(150.7-151.7) wk to strongly silicified, patchy along cracks, 0.5% diss py, 2% qz ff

(@151.7) sharp cnt @ 40°

(151.7-155.8) ANDESITIC AGGLOMERATE - med. greyish green to wk epidote green, 10-25, bombs are 50-60cm with 25-30% mafic xtls, avg size 3-4 mm in a f.g. mafic xtlline matrix with 40-50% mafics (1 mm avg) + 50-60% PK (avg 1mm) Occasional qz ff, to pyrrhotite in mafic xtls, tr py

A (1 4)	FROM (5–10)	TO (11–16)	RECOV (18–20)	21–23	ROCK (24–27)	43–46	57–76
D	150.70	151.70					Q) Q) QX
A1	150.70	151.70		A62	48		
P	151.70	155.40	97		AGLM	33?	P4 PR
L			88K	3		233	Q# P6 B·

*** DRILL HOLE : DDH-07 ***

Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A5922	9.00	11.60	2.60	0.2	19	3	128	
A5923	12.00	13.90	1.90	0.4	28	3	75	
A5924	13.90	15.00	1.10	0.1	28	3	118	
A5925	15.00	17.90	2.90	0.1	9	3	81	
A5976	17.90	19.80	1.90	0.1	5	20	165	
A5977	19.80	21.90	2.10	0.1	6	30	145	
A5978	21.90	23.30	1.40	0.5	41	40	381	
A5979	24.60	24.90	0.30	1.0	48	30	145	
A5980	26.30	27.50	1.20	0.2	12	3	105	
A5981	27.50	28.00	0.50	0.5	102	35	85	
A5982	28.00	31.00	3.00	0.5	32	3	216	
A5983	31.00	34.10	3.10	0.1	11	55	276	
A5984	34.10	38.60	4.50	0.8	46	20	570	
A5985	38.60	41.70	3.10	0.2	33	40	282	
A5986	41.70	42.50	0.80	0.1	7	15	200	
A5987	42.50	42.80	0.30	0.2	73	50	211	
A5988	42.80	44.50	1.70	0.1	14	25	145	
A5989	44.50	46.30	1.80	0.2	30	25	85	
A5990	46.30	47.40	1.10	0.1	14	3	182	
A5991	47.40	52.80	5.40	0.1	25	45	160	
A5992	52.80	54.90	2.10	0.2	25	40	170	
A5993	54.90	56.40	1.50	0.1	7	45	156	
A5994	58.20	58.90	0.70	0.1	6	10	250	
A5995	59.40	59.50	0.10	1.1	68	75	200	
A5996	61.00	61.40	0.40	0.2	77	50	192	
A5997	62.10	63.05	0.95	0.2	58	3	35	
A5998	64.20	65.00	0.80	0.6	81	130	37	
A5999	68.80	69.80	1.00	0.7	54	50	230	
A6000	70.50	70.80	0.30	1.0	52	60	106	
A6001	72.00	72.40	0.40	0.4	47	50	204	
A6002	73.10	73.40	0.30	0.4	4	30	153	
A6003	75.90	76.70	0.80	1.4	90	45	170	
A6004	76.70	77.95	1.25	0.5	57	75	213	
A6005	77.95	78.80	0.85	1.1	102	90	138	
A6006	79.95	81.40	1.45	0.2	19	75	236	
A6007	81.80	82.50	0.70	0.4	44	60	167	
A6008	84.00	84.70	0.70	1.2	33	60	202	
A6009	84.70	88.90	4.20	0.5	47	75	62	
A6010	88.90	89.60	0.70	1.3	125	25	130	
A6011	89.60	91.10	1.50	1.0	30	3	91	
A6012	91.10	92.00	0.90	0.2	9	3	38	
A6013	93.10	94.20	1.10	0.4	22	3	127	
A6014	94.20	97.00	2.80	0.2	19	3	88	
A6015	97.40	98.60	1.20	0.2	19	3	153	
A6212	102.10	103.40	1.30	0.4	22	30	169	
A6213	103.40	105.20	1.80	0.2	11	50	78	
A6214	105.20	106.70	1.50	0.4	13	40	120	
A6215	106.70	108.00	1.30	0.3	6	70	147	
A6216	108.00	109.20	1.20	0.6	10	15	200	
A6217	109.20	110.30	1.10	0.4	29	20	150	
A6218	110.30	111.00	0.70	0.4	13	15	215	

*** DRILL HOLE : DDH-07 ***

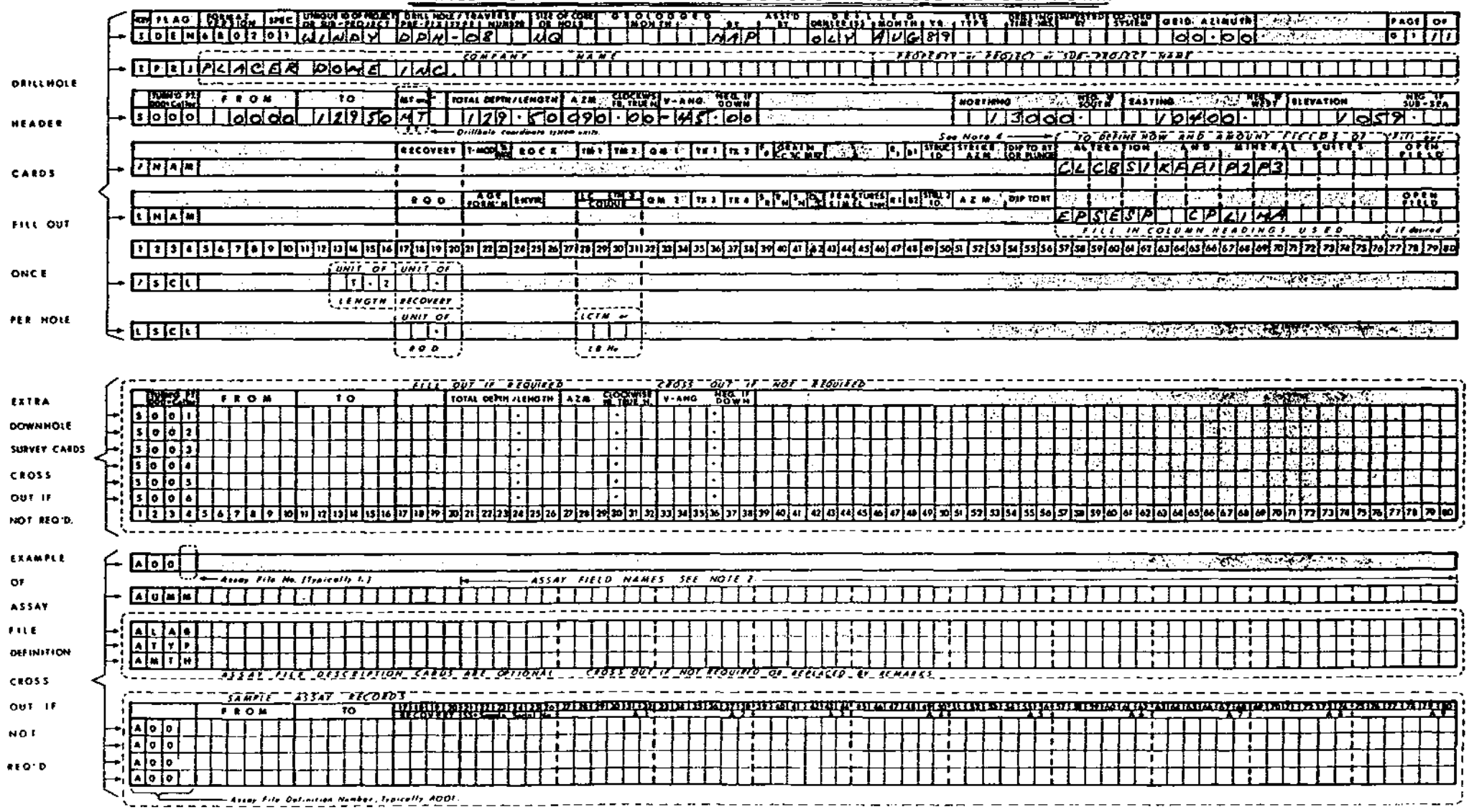
Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A6219	111.00	112.00	1.00	0.5	23	20	213	
A6220	112.00	112.80	0.80	0.5	27	5	325	
A6221	112.80	113.70	0.90	0.4	19	3	96	
A6222	113.70	114.70	1.00	1.6	18	20	148	
A6223	114.70	115.50	0.80	0.4	29	40	174	
A6224	115.50	116.50	1.00	0.3	22	25	105	
A6225	116.50	118.70	2.20	0.4	19	50	67	
A6226	118.70	120.30	1.60	0.4	10	75	150	
A6227	120.30	121.00	0.70	0.5	18	50	75	
A6228	121.00	121.50	0.50	0.4	14	30	83	
A6229	121.50	122.00	0.50	1.5	44	100	237	
A6230	122.00	122.40	0.40	1.0	32	10	391	
A6231	122.40	123.00	0.60	0.3	20	40	365	
A6232	123.00	124.20	1.20	0.9	20	40	142	
A6233	124.20	125.70	1.50	0.6	12	10	112	
A6234	125.70	127.00	1.30	0.1	52	3	4	
A6235	127.00	129.60	2.60	0.1	3	75	27	
A6236	129.60	131.10	1.50	0.7	11	60	137	
A6237	131.10	132.10	1.00	0.8	39	10	105	
A6238	132.10	134.00	1.90	1.0	25	3	88	
A6239	134.00	135.50	1.50	3.5	4	3	84	
A6240	135.50	136.70	1.20	0.4	22	3	93	
A6241	136.70	139.00	2.30	0.3	18	40	61	
A6242	139.00	140.10	1.10	0.5	8	25	125	
A6243	140.10	141.10	1.00	0.4	12	35	71	
A6244	141.10	142.80	1.70	0.3	7	3	60	
A6245	142.80	144.00	1.20	0.3	21	70	158	
A6246	144.00	145.00	1.00	0.6	27	30	90	
A6247	145.00	146.80	1.80	0.4	39	30	85	
A6248	150.70	151.70	1.00	0.3	12	3	91	

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A6361	9.14	11.58	2.44	0.1	3	136
A6362	11.58	14.63	3.05	0.6	3	85
A6363	14.63	17.68	3.05	0.1	3	82
A6364	17.68	20.73	3.05	0.6	3	136
A6365	20.73	23.77	3.04	0.6	70	260
A6366	23.77	26.82	3.05	0.8	100	256
A6367	26.82	29.87	3.05	0.4	100	165
A6368	29.87	32.92	3.05	0.2	30	270
A6369	32.92	35.97	3.05	0.1	25	300
A6370	35.97	39.01	3.04	1.0	30	345
A6371	39.01	42.06	3.05	0.1	3	225
A6372	42.06	45.11	3.05	0.1	3	184
A6373	45.11	48.16	3.05	0.2	60	155
A6374	48.16	52.21	4.05	0.6	3	191
A6375	52.21	54.25	2.04	0.4	3	186
A6376	54.25	57.30	3.05	0.1	3	162
A6377	57.30	60.35	3.05	0.4	3	172

*** DRILL HOLE : DDH-07 ***

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A6378	60.35	63.40	3.05	0.6	40	150
A6379	63.40	66.45	3.05	0.2	3	124
A6380	66.45	69.49	3.04	0.4	3	175
A6381	69.49	72.54	3.05	0.6	3	312
A6382	72.54	75.59	3.05	0.4	10	335
A6383	75.59	78.64	3.05	0.6	10	214
A6384	78.64	81.69	3.05	0.4	15	196
A6385	81.69	84.73	3.04	0.6	20	216
A6386	84.73	87.78	3.05	0.6	15	188
A6387	87.78	90.83	3.05	0.8	35	178
A6388	90.83	93.88	3.05	0.4	55	123
A6389	93.88	96.93	3.05	0.6	3	197
A6390	96.93	99.97	3.04	0.1	3	185
A6391	99.97	103.02	3.05	0.1	3	122
A6392	103.02	106.07	3.05	0.1	3	123
A6393	106.07	109.12	3.05	0.2	3	152
A6394	109.12	112.17	3.05	0.2	3	180
A6395	112.17	115.21	3.04	0.1	3	233
A6396	115.21	118.26	3.05	0.6	3	163
A6397	118.26	121.31	3.05	0.2	160	135
A6398	121.31	124.36	3.05	0.3	35	156
A6399	124.36	127.41	3.05	0.2	75	160
A6400	127.41	130.45	3.04	0.2	30	155
A6401	130.45	133.50	3.05	0.8	55	175
A6402	133.50	136.55	3.05	0.3	70	180
A6403	136.55	139.60	3.05	0.2	125	126
A6404	139.60	142.65	3.05	0.2	50	138
A6405	142.65	145.69	3.04	0.4	95	160
A6406	145.69	148.74	3.05	0.4	75	152
A6407	148.74	151.79	3.05	0.2	90	128
A6408	151.79	154.84	3.05	0.2	15	149

PLACER DOME INC. GEOLOG DRILLHOLE HEADER FORM



Notes:

1. - Do not change /NAM, 1NAM, /SCL, 1SCL, or AUMM card definitions during a project. Blanks may be changed however
2. - On AUMM card, right adjust names so that 8 TH 4 letters make sense. They will be "stat" header names
3. - Units of distance on 5DCC card are for survey coordinates, those on /SCL card are for downhole distances
4. - [illegible]
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.

PLACER DOME INC.

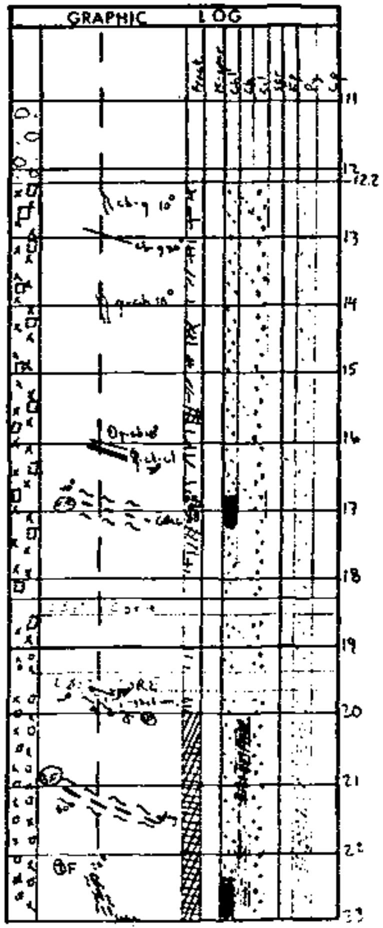
(Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASS'T	DRILLER(S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE OF
IDEN680201 V216	DDH-18			MAP										2 /

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



12.2 Casing

DESCRIPTIVE REMARKS

12.2 - 19.0 AUGITE PORPHYRY DIORITE w/ MEGACRYSTS:
lt grey (bleached), Mtle, massive, porph. text. 20% mafic phenos (whole) 0.5-3mm euh/subh. 80% gm equigran.(illeg.), f.g. gm comp 60% plag, 10% mafics, 5-10% qtz, traces dis py.
Alt'n: Chl - perv but weak repl of mafics. Cb - traces as fract fill. Ser: perv & weak repl of plag. Sil - weak & perv.

16.9 - 17.1: Fault gouge, no change in mineralization, partly ~10% gouge, lt grey.

19.0 - 27.9: AUGITE PORPHYRY DIORITE:
medium green, massive, Mtle, porph. text, foliated & faulted where seen in the core. Possibly and. flow because of dk grn color. Contact w/ megacrystic unit is gradational, is marked by the increase in mafic phenos but decrease in size, large phenos make up 5% of rx. until ~ 21.0m then decrease only drawn. 30% subh-euh px or hb phenos 0.5 - 5mm (~avg ~2mm) 70% f.g. gm w/ 50% plag (ant), 15-20% mafics (chl), traces of euh qtz (1mm) + trace py.
Alt'n: Chl - perv weak rep. of mafics, <1% cb veinlets, perv and to mod ser repl of plag. Perv weak silicification.

20.55 - 24.0: The unfaulted rx, which is lim stained (carb. alt'd) contains 1% py dis in qtz stringers.

1	4	FROM (7-10)	TO (13-16)	18-20	21-23	24-27	43-46	57-60	61-64	65-68
P		0900	1220			PVDRI				
P		1220	1900	76	MC	PPDR	121	P1<)	P1	D·<·
L				32	R2		4X5		P2	<·
N		1690	1716			FALT				
A	1	1460	1710		A5	876				
P		1900	2790			PPDR		P2<)	P1	D·<·
L									P1	<=
D		1900	1940	79	S1		321			
			87		[illegible]3		020			
N		1940	2050	61	X	FALT	021	F1<1		D·
L				11	R1		XXX		P2	<1
A	1	1940	2250		A5	877				
D		2050	2125	90	[illegible]1		010	P1		D)<)
L				15	R2		XXS			<1
N		2125	2155	[illegible]2	X	[illegible]T	000	P2<1		
L				32	R		XXX		P2	<1
A	1	2050	2155		A5	878				D)<·
D		2155	2255	80			20C	P1		
L				30	R2		XXX			D)<)
N		2255	2305		?	FALT		P3<)		
L									P2	<1
A	1	2155	2400		A5	879		P1P1		

PLACER DOME INC.

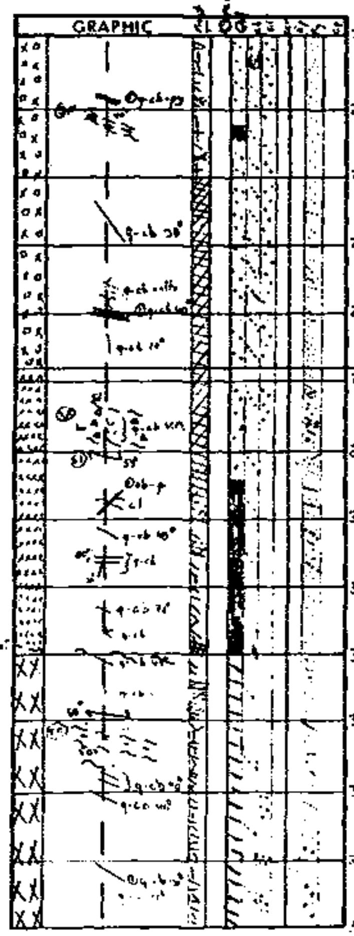
(Geolog Form 3)

ID	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED BY	PAGE
1 DEN680201	V216	DDH-8		MAP	3/11

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

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

GRAPHIC LOG



Metres: 23, 24, 25, 26, 27, 27.9, 28, 29, 30, 31, 32, 33, 34, 35, 36

DESCRIPTIVE REMARKS

@ ~23.5 decrease in ch a lim staining - end of weathering
5cm fault (2 m) @ 24.9m
24.0 - 25.5 - 1% dis py in q-ca stringers

25.5 - 27.9: weakly folt'd @ 50°, pervasive silicific'n ±1% dis py,
~1% py veinlets, ~ 0.5% cub py. by veins are parallel to folia.
1-2% q-cb vns
@ 27.9 contact is broken up in poss. shear @ 60°

27.9 - 32.0 : FINE GRAINED DIORITE :
lt gray/green, H=4, massive, weakly folt'd, ~~ , equigran text
Pervasive overprinting silicific'n has overprinted most of original text.
[illegible] 20% plag, 10-20% mafic (possibly)
& 1-5% qtz. grains small <1mm sub to anh shape.
Matrix rep'd by chl, is cut by q-cb veinlets, plag poss. repl'd by ser.
1-2% py in veinlets, dis py & traces of cub py.
@ 28.4 (A1) ~ end of sil'n start of [illegible] chl (@ 29.5)
@ 32.0 gradational contact w/ C.G.D.R.

32.0 - 39.0 COARSE GRAINED DIORITE
dk green, H=5, massive, folt'd near faults, equigran text ~70%
plag, 2.5-5mm (avg 3mm) subhedral laths, 20-30% mafics (possibly)
[illegible] 2-5% qtz, traces dis py
chl repl of mafics strong [illegible]
33.4 - 33.6 fault 10cm (2 m) w/ gouge [illegible]
[illegible] => sheared [illegible]
33.0 - 39.0 patchy sil affected [illegible] plag laths

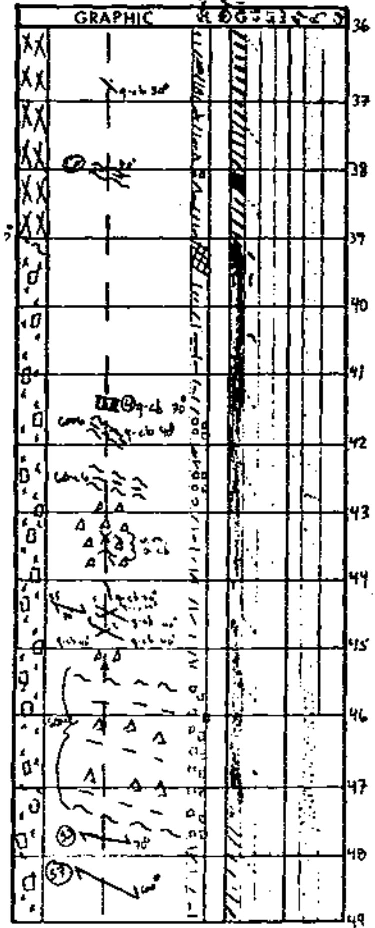
[illegible] py [illegible]

A	FROM (7-10)	TO (13-16)	RECOV / RQD (19-20)	21-23	ROCK / CS (24-27)	QZ VEINS / FRACTURES (43-45)	57-60	61-62	65-66	67-68	69-70
N	2400	2425	10	6		070	P3 <1		D·		<·
L			00	R1		120		P1		<+	
D	2425	2550	84			021	P1 ()		D)		()
L			24	R2		241		P)		(·	)
A1	2400	2550		A	S880						
D	2550	2790	83	S1					D)	U·	()
L			23	R3						<)	
A1	2550	2790		A	S881						
P	2790	3200					P1 <)	P1	D)	U·	<)
L								P·		<)	
M	2840	2950	55		FAULT	((0	P2				
L			00	R1		xxx					
D	2770	2840	90			010					
L			40	R2		231					
A1	2790	2950		A	S882						
D	2950	3200	97	S1		132	P3				
L			36			xxx					
A1	2950	3200		A	S883						
P	3200	3900			CGDR		P3 <)	Q1	D·	U·	<·
L								P2		<*	
D	3220	3240	91	S1		010					<)
L			14	R2		xxx				<1	
A1	3200	3360		A	S884						
M	3340	3360	99		FAULT	020	F3 <1		D·		<·
L			00	R1		120		P2			
D	3360	3500	91			131					
L			25			562					
A1	3500	3600		A	S885						

PLACER DOME INC.

Geolog Form 3)

IDEN	Unique ID of project	Drill hole / traverse	Logged by	Page
6B0201	V216	DDH-8	MAP	41



DESCRIPTIVE REMARKS

38.0-39.1 : 9cm (TW) fault w/ gouge, more chl alt'n & rest is of same comp. as CGDR

@39.0 shear zone begins w/ megacrystic diorite, poss a sheared (faulted) contact

39.0-47.2 SHEARED AUGITE PORPHYRY DIORITE w/ MEGACRYSTS
dk green, H=4, brecciated, ?? comp megacrystic dior w/ 20% mafic phenos 1-6mm
bx'd frags are angular <5-10cm size set in a clay matrix. Mx is intensely chloritized while frags are sericitized. 40% of the unit is composed of unfaulted but strongly foliated lengths (up to 30cm).

43.2-44.1 : 10% qtz-carb vn, <1% dis py, 1 py vnlt @43.9
45.1-47.5 : chloritic gouge, no talc, <5% dis py.

48.10-49.8 : intensely fol't'd, sheared @60°, 2-3% py vnlts parallel to folia.

1	FROM (5-10)	TO (11-16)	RECOV. / RQD (18-20)	T-MOD / SS (21-23)	ROCK / CS (24-27)	QZ VEINS / FRACTURES (43-46)	57-64 (CL CB SZ KF / EP SF SP)	65-76 (P1 P2 P3 / CP LI MA)
N	3800	3810	50	X	FALT	000	P3 4)	D·
L			00	R1		XAX	P2	C·
A1	3790	3830		A5	BB6			
O	3810	3900	80			010		
L			60	R2		342		
P	3900	6320		MC	PPDR			
N	3900	6530		7	FALT		P6 4)	D·
L							P2	
D	3900	6530		55	PPDR		P6 4)	D·
L							Q1	
O	3700	4140	80	BX		011		
L			25	R1		242		
A1	[illegible]	4140		A5	897			
O	4140	4160	100	55				
L			100	R2				
O	4160	4180	30	6B		010		
L			40	R1		XXX		
O	4180	4220	90	55		010		
A			00	R1		131		
O	4270	4240	90	6Ø		100		
L			00	R1		XXX		
O	4240	4370	77	BX		121		
L			35	R1		112		
O	4370	4510	100	33		122		
L			64			231		
A1	4330	4410		A5	88B			
O	4510	4750	71	6Ø		110		D*
L			00	R1		XXX		
A1	4510	4760		A5	889			
O	4750	4850	90	F3		000		
L			30			XXX		
O	4850	4910	99	57		011		0· C+
L			39			121		
A1	4850	4980		A5	890			

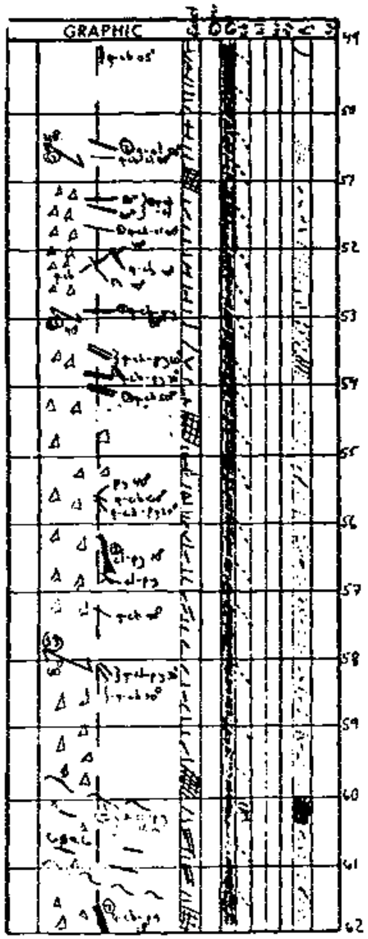
PLACER DOME INC.

(Geolog Form 3)

ID	Unique ID of project	Drill hole / traverse	Logged by	Page
I D E N 6 8 0 2 0 1	V 2 1 6	D D H - 8	M A P	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



DESCRIPTIVE REMARKS

49.8-52.80 : ~0.5% dis py & traces of py veinlets

52.8-54.0 : 2-3% py veinlets & stringers parallel to talc ditch

~1% q-cb v.m.

54.0-57.3 : dis py is found in chloritized mafic phases (1%) & as fract fill & stringers. The matrix of the fault bx is extremely chloritized - it's black. 1-2% cb-q v.m.

57.3-60.0 : 2-3% py dis in relict mafic phases & 2-3% veinlets ~1% cb-v.m.

60.0-60.4 : v. chloritized gouge w/ 30% cb q v.m which contains 20-30% py

60.4-61.9 : 2-3% dis py in stringers & veinlets 1-2% q-cb v.m.

Column headings (57–76): CL CR SI SC P1 P2 P3 / EP SE SP CP LZ MA

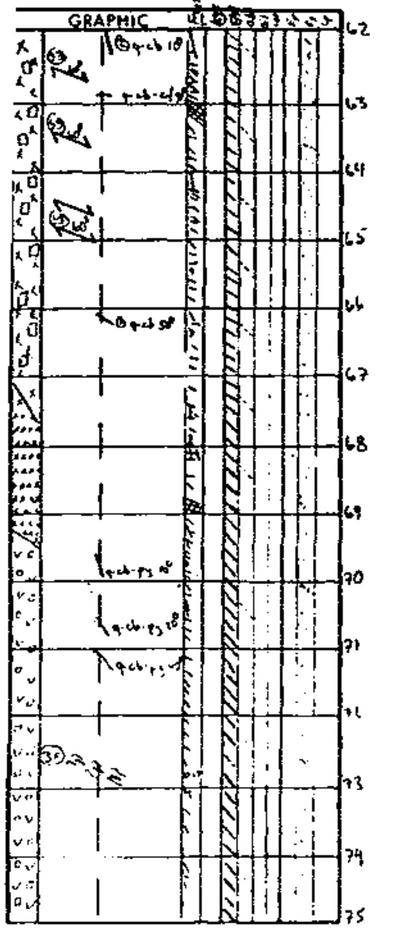
1	4	From (5–10)	To (11–16)	Recov (18–20)	21–23	Rock (24–27)	43–46	57–58	61–62	65–66	69–70
D		4910	5070	88		53	010				
L				45	R2		243				
D		5070	5380	74		BX	011				
L				52	R1		233				
A	1	4980	5280		A5	891					
D		5300	5400	97		BX	141				<1
L				90	R1		020				
A	1	5280	5400		A5	892					
D		5400	5430	80	55		010				
L				40	R2		XXX				
D		5430	5730	99		BX	221	PS		D*	<1
L				57	R1		XXX		P3		
A	1	5400	5730		A5	893					
D		5730	5870	86		53	131			D*	<1
L				84	R2		131				
A	1	5730	6000								
D		5870	6190	99			3?1	P5		D*	<1
L				34	R1		431		P3		
A	1	6000	6040		A5	894					
A	1	6040	6190		A5	895					

PLACER
DOME
INC.
(Geolog Form 3)

IDEN6B0201	UNIQUE ID OF PROJECT: V21[illegible]	DRILL HOLE / TRAVERSE: DDH-8	SIZE OF CORE	LOGGED BY: MAP	PAGE 61 OF [illegible]
S	DRILL COORD SYSTEM UNITS → M/F: T	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING / EASTING / ELEVATION

		FROM	TO	RECOV.	T-MOD	ROCK	QZ VEINS	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	57–76
/								CL CB SI CF P1 P2 P3 PØ
L				RQD		CS	FRACTURES	EP SE SP CP LI MA

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



DESCRIPTIVE REMARKS	1	4	From (5–10)	To (11–16)	18–20	21–23	24–27	43–46	57–76
61.2–65.3 : ~1% dis py as veinlets & dis. 1% q-cb vein	D		6190	6530	70	55		071	
	L				39	R2		352	
	A	1	6190	6530		A5	P96		
65.3 : END OF SHEARING	D		6530	6720	99			010	
	L				89	R2		131	
@ 67.2 sharp contact @ 20° w/ F.G.DR.									
67.2 – 69.2 FINE GRAINED DIORITE. lt green, H=5, massive, equigranular – g.s. <1mm. 70% plag euh, 30% mafics (px+hbl), trace py. Mafics chloritized strong + pervasive. Plag strong + perv alt'n to ser. Bleached because of dis py along fract surfaces	P		6720	6920	100		FGDR	010	P4 <. D.
	L				55	R2		231	P3
	A	1	6720	6920		A5	897		
@ 69.2 sharp contact @ 40° w/ augite andesite									
69.2 – 108.5 AUGITE PORPHYRY ANDESITE. lt green/grey, H=5, massive, porph text. 30% mafic (px+hbl) phenos set in a f.g. groundmass comp of 65% plag + 5% mafics, trace py. chlorite has replaced mafics & sericite the plag with (<1%) as fract fill.	P		6920	10850			PPAW		P3 <)
	L								P3
	D		6920	7420	98			120	D. <. P6
	L				90	R2		141	D)
1-2 % dis po replacing mafic phenocrysts, trace arc [illegible] trace of py as veinlets & dis in [illegible]	A	1	6980	7110		A5	898		
71.1 – 71.8 3-4 % po replacing mafics	A	1	7110	7180		A5	899		
72.5 – 72.8 1-2 % po replacing [illegible] 1% py [illegible]	A	1	7250	7280		A5	900		
69.8 – 71.1 2-3 % po [illegible]	D		7420	7600	100	55			<.
	L				100	12		1	
72.2 – 74.2 [illegible] @ 74.2 [illegible]									
[illegible]									

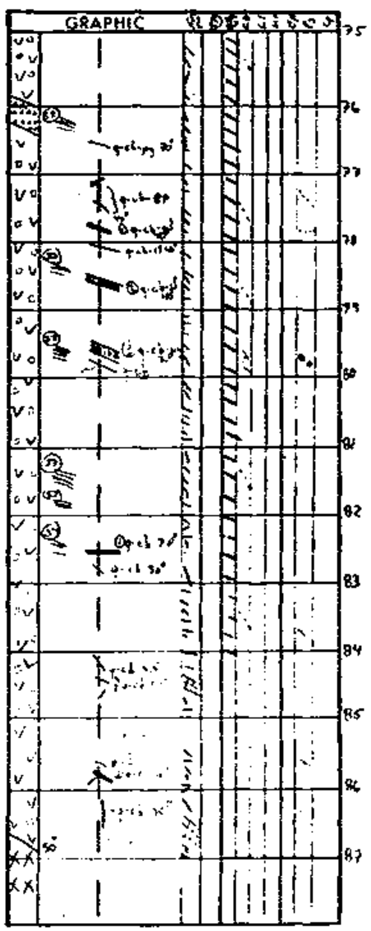
PLACER DOME INC.

Geolog Form 3)

I D E N	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASS'D	DRILLER(S)	MONTH	YEAR	TYPE	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE
IDEN680201	V2/6	DDH-8			M/P									7/1/

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

		FROM	TO	RECOV	T-MOD / % MOD	ROCK	QZ VEINS	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS
1	4	5–10	11–16	18–20	21–23	24–27	43–46	57–76
I								CL CB SE RF P1 P2 P3 P∅
				RQD		CS	FRACTURES	
L				RECOV	SS: Sample Serial No.	27	28 29 30 31 32	EP SE SP CP LI MA



DESCRIPTIVE REMARKS
76.0 - 76.7 : FINE GRAINED DIORITE
Lt grey, massive, H=5, equigran f.g. xtal. 80% fldsp altd to ser.
10-15% mafics altd to chl. 2-3% qtz
Rx is foliated w/ same orientation as above (40°). Contacts are
sharp ~60° & display no chilled margins.
77.3 - 77.7 : Intervening of a FQDA dyke & PEAN. The dyke
intruded the PEAN @ ~50°
77.7 - 81.0 : strict shearing @ 40° w/ cleavages
77.7 - 79.6 : 1-3% po replacing mafics, 1% qtz-carb v.m.
79.6 - 81.5 : 2-3% py in a q-chl vn, 10% q-cb v.m.
81.0 - 84.7 : chloritic shears make up 5% of this unit,
they range from 1-5 cm (1cm). They have not broken
up the rx, noticeable because of chlorite. @ 60-70° to CA
Some po occurs as tract 81.4 & has been elongated w/ mafics
in the shears.
82.3 - 83.9 : 1-2% po replacing mafics & in shears <1% vm

1	4	FROM	TO	RECOV 18–20	21–23	ROCK 24–27	43–46	57–60	61–62	65–66	69–70	71–72
N		7600	7630	100	F5X	F6 DIR		P1 L·				
L				83	R2				P4			
D		7630	7730	100	F5		020				L·	P∅
L				90			031	P1 L·				O£
N		7730	7770	100	6	F6 DIR			P2	O·		
L				100	R2							
N		7730	7770		4	PPAW		P3 L·				P6
									P3			O·
D		7730	8100	97	S3		131				L·	P∅
L				84	K2		142					O*
A	1	7730	7760		A5	901						
A	1	7760	8015		A5	902						
D		8100	8420	99	43		001					P∅
L				80	R2		333					O3
A	1	8230	8390		A5	903						
D		8460	8690	99	F5		331				L·	P∅
L				56	R2		342					O·

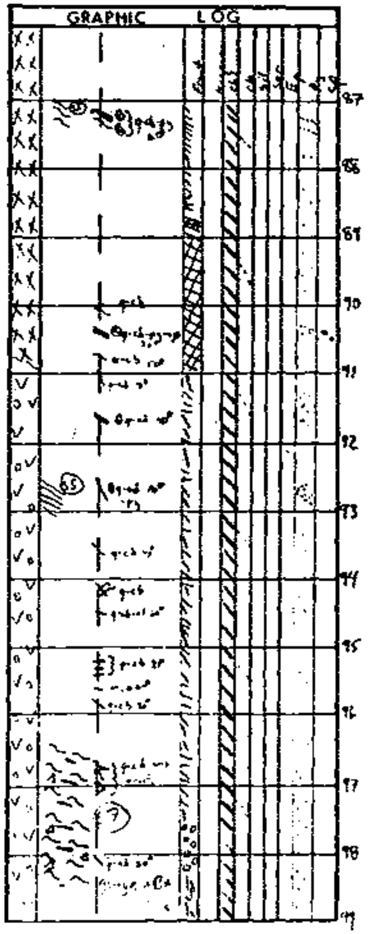
PLACER DOME INC.

(Geolog Form 3)

UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE
I D E N 6 8 0 2 0 1	

ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

86.9 - 90.9 MEDIUM GRAINED DIORITE:
black/grey, M.E.S.S. massive, equigranular text, mag (Weak)
40-50% mafics mm chl, 50-60% plag, traces of qtz, traces
dis py.
Upper contact is a shear contact
Lower contact is too broken up.
The diorite displays chilled margins so that 10cm thick
fine grained zones are near contacts.
86.8 - 87.1: shearing w/ 5% qcb vein + 1% py, traces in vein
90.3 - 90.6: 5% qcb vein, cp py in a 2cm chg vein
91.50 - 91.9: small shear w/ 4% py + 1 qcb vn out of shear

90.9 - 93.9: Foliated occasionally sheared PPAN.
92.3 - 92.6: shear zone w/ 5% qcb vein, lucco lamina
sericite 3% py.

96.4 - 98.3: Shear Zone, 80% be a gouge 20% foliated
PPAN ~1% dis py.
Contacts are sharp @ ~ 60-70°

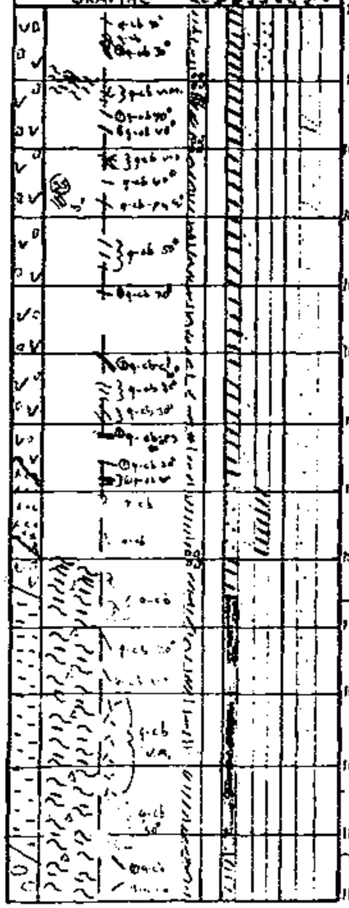
Card	4	From (7–10)	To (13–16)	18–20	21–22	23–27	Qz veins (43–46)	57–64	65–76
N		8 6 9 0	9 0 9 0	8 5		X M G D I R	1 4 2	P 3 <)	D · < ·
L				3 5	R 2		X X X		< ·
A	1	8 6 8 0	8 7 1 0			A 5 9 0 4			
A	1	9 0 3 0	9 0 6 0			A 5 9 0 5			
A	1	9 1 5 0	9 1 9 0			A 5 9 0 6			
D		9 0 9 0	9 3 9 0	1 0 6	5 3		1 2 0		D · < ·
L				5 7	R 2		X X X		
A	1	9 2 3 0	9 2 6 0			A 5 9 0 7			
D		9 3 9 0	9 6 4 0	1 0 0			1 2 1		0 ·
L				9 2	R 2		1 3 2		
N		9 6 4 0	9 8 3 0	9 5	7	P P A N		P 3 <)	0)
L								P 3	
A	1	9 6 4 0	[illegible]			A 5 9 0 8			

PLACER DOME INC.
(Geolog Form 3)

I D E N 6 8 0 2 0 1	Unique ID of Project: V 3 1 6	Drill Hole / Traverse: D D H - 8	Size of Core	Logged	By: M A P	Ass't Driller(s) / Month / Year / Type / Time-Hrs / Surveyed System / Grid Azimuth	Page: 9 / 1
S — Drill Coord. System Units →	M/F: T	Total Depth/Length: .	AZM: .	V. ANG: .	Northing: .	Easting: .	Elevation: .

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

GRAPHIC



Meterage: 99, 100, 101, 102, 103, 104, 105, 106, 107, 108.5, 108, 109, 110, 111, 111.2, 112

DESCRIPTIVE REMARKS

99.9-100.7: Shear zone w/ 60% gouge & 40% bx 10% q-cb v.m. & traces dis py, ? py veinlets

@ 105.7 sheared contact 50° w/ MADR
105.7-106.75: MEDIUM GRAINED DIORITE, 1° [illegible], M=6, equigranular, 30% [illegible], 20% mafics, chlorit'd mafics, [illegible] & mod. [illegible] silicific'n
@ 106.75 sheared contact w/ sheared PPAN

108.5 - 111.2: SHEARED [illegible] TUFF
Black, H=4, strong fol'n @ 60° w/ q-cb veinlets (20%) // to fol'n. fol- could possibly be // to bedding. [illegible] is 60-70% albite, [illegible] [illegible] is very sheared but [illegible] [illegible] [illegible].
@ [illegible] gradational contact w/ PPAN
@ [illegible] sharp contact w/ [illegible]
108.5-109.8: 10% q-cb v.m. [illegible]
109.8-110.5: [illegible] gouge [illegible]
[illegible]-111.2: 10% q-cb v. [illegible] // fol'n

Code (1)	4	From (5-10)	To (11-16)	Recov (18-20)	21-23	Rock (24-27)	43-45	57-64	65-76
/								C L C B S I K F	P 1 P 2 P 3
L				RQD		CS	Fractures S M L	E P S E S P	C P L Z M A
D		9830	9900	99			2 2 1		
1				90	R 2		2 3 1		
D		9900	9990	99			1 1 0	P 1	D ·
L				35			1 3 1		
N		9990	10110	99	S 7 9	A P A N	1 1 1		D ·
L				20	R 1		X X X		
A	1	9990	10030		A S	9 0 9			
D		10030	10090	99			1 1 0		D ·
L				99	R 2		1 2 0		
N		10090	10105	99	S 7 X		2 0 0		
				00	R 1		0 2 0		
D		10105	10460	99	3 D		1 4 2		D · C ·
L				84	R 2		2 3 2		
D		10460	10570	100	R X		0 0 1		D ·
L				90	R 1		1 3 2		
N		10570	10675	98	X	M 6 D R	1 1 0	P = < > P Z	
L				90	R 2		1 3 1	P 3	
D		10675	10850	98	R X		3 4 2		D ·
L				57	R 2		2 4 1		
P		10850	11120	100	S 7	A N A T	1 X 2	P 6 < 2	
L				70	R 2		2 4 2		
A	1	10950	10980		A S	9 1 0			
A	1	10980	11050		A S	9 1 [illegible]			
A	1	11050	11120		A [illegible]	9 [illegible] 2			

PLACER DOME INC.

Geolog Form 3)

Unique ID of project	Drill hole / traverse	Size of core	Logged by
1 D E N 6 8 0 2 0 1		N/2/L	DDH-8	MAP

Page: 1 of 1

ROCK TYPE	VEINS	FRACTURES	ALTERATION	MINERALIZATION	METERAGE

GRAPHIC — meterage 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125

DESCRIPTIVE REMARKS

112-129.2 ANDESITE AGGLOMERATIC LAPILLI TUFF

Dark green, M=35, 5% bombs, 20% lapilli, 75% < 1 Tuff

Bombs a lapilli are composed of PPAN & PPAN [illegible].

The unit has been moderately sheared, this is evidenced [illegible] tectonic brecciation & strong foliation in f.g. parts

112.8 - 113.2 : ash Tuff w/ 10% q-cb veinlets // to foln. The foln is also crenulated.

113.2 - 113.4 : Bx'd, 2 patches (1-3cm) of py/cp in g.m. <1% v.m.

115.7 - 115.75 : 4cm (7.w) shear w/ gouge, q-cb v.m & traces dis py.

118.4 - 118.10 : a py veinlet @ 118.7 & q-cb-py vein @ 118.95

122.5 - 123.6 : gouge @ 122.5, q-cb-py veinlet @ 123.1

124.5 - 124.9 4 q-cb vns intersecting, 5cm long [illegible] w/ 5% dis py.

127.4 - 128.0 Bx'd zone w/ 2% q-cb v.m & traces of py vnlts

1	4	FROM (5–10)	TO (11–16)	RECOV / RQD (18–20)	21–23	ROCK / CS (24–27)	QZ VEINS / FRACTURES (43–46)	57–60	61–64	65–68	69–75
P		11120	12920			AGLIM		P6<1			
L									Q1		
D		11120	11280	99	R?		020				
L				80	R7		122				
N		11280	11320	100	57R	ANAF	NAX	P6<1			
L				75	RZ		110				
A	1	11250	11320		A5	913					
D		11320	11390	100	8K		010			0)	
L				95			048			0+	
A	1	11320	11340		A5	914					
D		11390	11890	98	60		030				
L				89	RZ		143				
A	1	11580	11580		A5	915T					
D		11890	12400	99			111			0.	<.
L				73	R2		553				
A	1	11840	11910		A5	916					
A	1	12260	12360		A5	917					
D		12400	12790	99			130			0.	<.
L				83	R2		142				
A	1	12450	12490		A5	018					
A	1	12740	12800		A5	919					

Column headings (57–75): L/ C B S I E P1 P2 P3; F P S E S P C P L I A A

PLACER DOME INC.
Geolog Form 3)

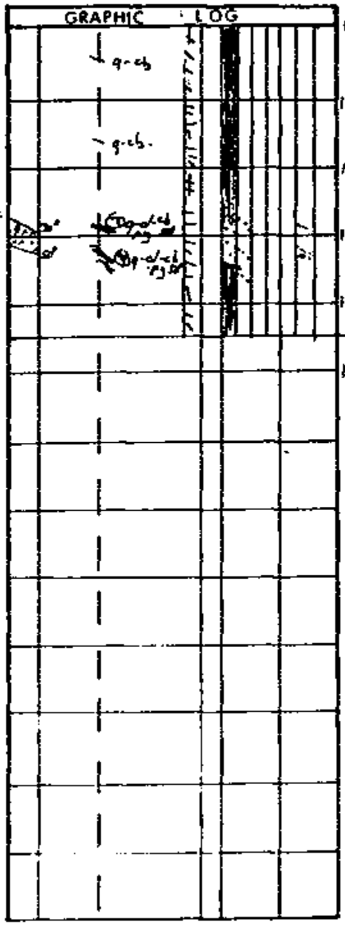
IDEN	Unique ID of Project	Drill Hole / Traverse	Size of Core	Logged	By	Asst'd	Driller	Month	Year	Type	Time-Hrs	Surveyed	System	Grid Azimuth	Page	of
6B0201	U 2/6	DDH-18			MAP											

S	Drill Coord System Units	M/F	Total Depth/Length	AZM	V ANG	Northing	Easting	Elevation
		T	.	.	.	.	.	.

	FROM (5–10)	TO (11–16)	RECOV (18–20)	T-MOD (21–23)	ROCK (24–27)	QZ VEINS (43–46)	57	58	59	60	61	62	63	64	65	66	67	68	69	70
/							C	L	C	B	S	T	C	F	P	1	P	2	P	3
			RQD		CS	FRACTURES														
L							E	P	S	E	S	P			C	P	L	I	M	A

ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE

GRAPHIC LOG



Meterage
125
126
127
128
129
129.5 — END OF HOLE
130

DESCRIPTIVE REMARKS

127.9-128.25: Intermediate Dyke, lt green, massive H=5, equigran text v.f.g. Traces of mafic (px-actinol.) phenocr. which are chloritized. gm appear sericitized 0.5% py in veinlets + traces of dis. in gm. Contacts are sharp w/ chilled margins

128.25-129.5: 10% q-cb v.m w/5% py.

END OF HOLE

A 1	4	FROM (5–10)	TO (11–16)	18–20	21–23	24–27	43–46	57–58	61–62	65–66	69–70
N		12790	12825	100	X	2MVF	010	P1		D.	LF
L				80	R2		110		P2		
A	1	12800	12825		A5	920Q					
N		12825	12950	106			020			D.	L.
L				68	R2		141				
A	1	12825	12885		A5	921					

*** DRILL HOLE :DDH-08 ***

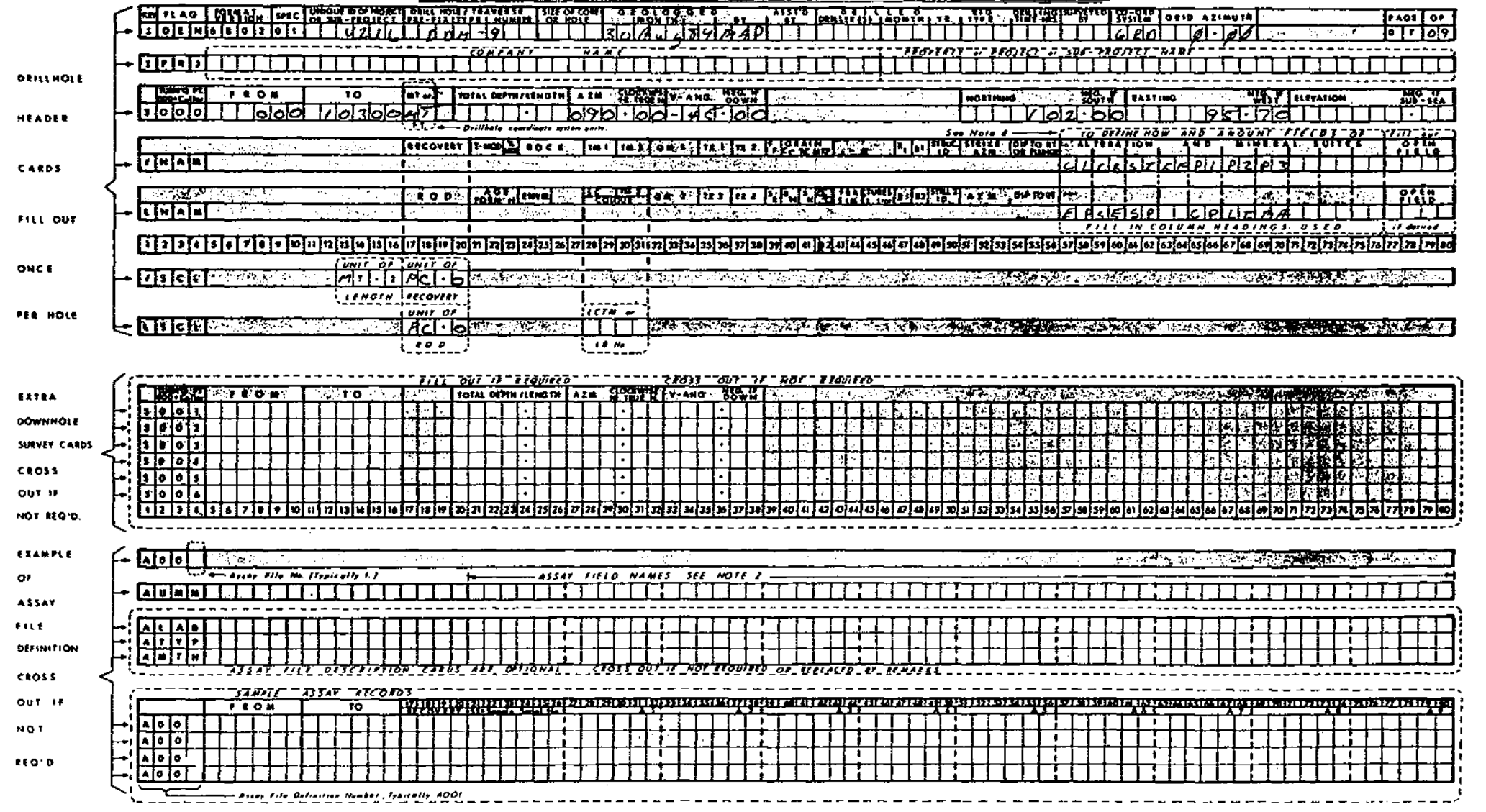
Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A5876	16.60	17.10	0.50	0.1	8	3	137	
A5877	19.40	20.50	1.10	0.4	19	3	125	
A5878	20.50	21.55	1.05	0.1	5	3	50	
A5879	21.55	24.00	2.45	0.1	15	3	300	
A5880	24.00	25.50	1.50	0.1	10	30	283	
A5881	25.50	27.90	2.40	0.1	13	35	270	
A5882	27.90	29.50	1.60	0.1	31	50	170	
A5883	29.50	32.00	2.50	0.1	7	50	135	
A5884	32.00	33.60	1.60	0.1	3	75	113	
A5885	35.00	36.00	1.00	0.1	8	70	107	
A5886	37.90	38.20	0.30	0.1	1	65	101	
A5887	39.00	41.40	2.40	0.1	19	30	96	
A5888	43.20	44.10	0.90	0.1	12	10	33	
A5889	45.10	47.60	2.50	0.1	38	3	155	
A5890	48.50	49.80	1.30	0.1	18	5	271	
A5891	49.80	52.80	3.00	0.1	10	3	239	
A5892	52.80	54.00	1.20	1.1	17	3	560	
A5893	54.00	57.30	3.30	0.1	12	3	218	
A5894	60.00	60.40	0.40	0.1	315	3	160	
A5895	60.40	61.90	1.50	0.1	49	50	80	
A5896	61.90	65.30	3.40	0.2	20	3	153	
A5897	67.20	69.20	2.00	0.2	4	3	271	
A5898	69.80	71.10	1.30	0.1	3	3	220	
A5899	71.10	71.80	0.70	0.1	1	3	248	
A5900	72.50	72.80	0.30	0.1	3	3	348	
A5901	77.30	77.70	0.40	0.2	4	3	322	
A5902	77.70	80.15	2.45	0.2	12	10	130	
A5903	82.30	83.90	1.60	0.1	5	10	176	
A5904	86.80	87.10	0.30	0.2	10	25	143	
A5905	90.30	90.60	0.30	0.1	71	20	181	
A5906	91.50	91.90	0.40	0.1	4	3	144	
A5907	92.30	92.60	0.30	0.1	8	10	117	
A5908	96.40	98.30	1.90	0.3	9	3	112	
A5909	99.90	100.30	0.40	1.2	52	3	180	
A5910	108.50	109.80	1.30	0.2	17	3	46	
A5911	109.80	110.50	0.70	0.1	44	30	94	
A5912	110.50	111.20	0.70	0.1	5	3	15	
A5913	112.80	113.20	0.40	0.1	10	3	49	
A5914	113.20	113.40	0.20	0.1	1	20	123	
A5915	115.60	115.80	0.20	0.1	5	50	102	
A5916	118.40	119.10	0.70	0.1	5	25	20	
A5917	122.50	123.60	1.10	0.1	2	3	78	
A5918	124.50	124.90	0.40	0.1	6	30	50	
A5919	127.40	128.00	0.60	0.1	3	40	51	
A5920	128.00	128.25	0.25	0.1	3	25	56	
A5921	128.25	128.85	0.60	0.1	1	3	51	

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A6409	12.19	14.63	2.44	0.3	20	170

*** DRILL HOLE :DDH-08 ***

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A6410	14.63	17.68	3.05	0.1	3	142
A6411	17.68	20.73	3.05	0.1	10	122
A6412	20.73	23.77	3.04	0.1	5	227
A6413	23.77	26.82	3.05	0.1	15	260
A6414	26.82	29.87	3.05	0.3	3	241
A6415	29.87	32.92	3.05	0.5	15	148
A6416	32.92	35.97	3.05	0.1	3	117
A6417	35.97	39.01	3.04	0.2	50	114
A6418	39.01	42.06	3.05	0.1	20	88
A6420	45.11	48.16	3.05	0.1	100	93
A6421	48.16	52.21	4.05	0.1	60	88
A6422	52.21	54.25	2.04	0.1	25	197
A6423	54.25	57.30	3.05	0.1	30	198
A6424	57.30	60.35	3.05	0.1	25	238
A6425	60.35	63.40	3.05	0.2	25	177
A6426	63.40	66.45	3.05	0.1	30	197
A6427	66.45	69.49	3.04	0.1	10	228
A6428	69.49	72.54	3.05	0.1	5	247
A6429	72.54	75.59	3.05	0.1	3	176
A6430	75.59	78.64	3.05	0.1	3	147
A6431	78.64	81.69	3.05	0.1	3	284
A6432	81.69	84.73	3.04	0.1	3	187
A6433	84.73	87.78	3.05	0.1	3	115
A6434	87.78	90.83	3.05	0.1	3	165
A6435	90.83	93.88	3.05	0.1	35	181
A6436	93.88	96.93	3.05	0.1	25	107
A6437	96.93	99.97	3.04	0.1	3	96
A6438	99.97	103.02	3.05	0.1	10	132
A6439	103.02	106.07	3.05	0.1	3	134
A6440	106.07	109.12	3.05	0.1	705	118
A6441	109.12	112.17	3.05	0.1	100	78
A6442	112.17	115.21	3.04	0.1	3	100
A6443	115.21	118.26	3.05	0.1	3	118
A6444	118.26	121.31	3.05	0.1	3	158
A6445	121.31	124.36	3.05	0.1	3	93
A6446	124.36	127.41	3.05	0.1	3	81
A6447	127.41	129.50	2.09	0.1	3	78

PLACER DOME INC. GEOLOG DRILLHOLE HEADER FORM



Notes:

1. On all change /NAM, /LNAM, /SCI, /SCI, or AUMM card definitions during a project. Blanks may be changed however.
2. On AUMM card, right adjust names so that R H & letters make sense. They will be "static" header names.
3. Units of distance on 5000 card are for surface coordinates, those on /SCI card are for downhole distances.
4. 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.

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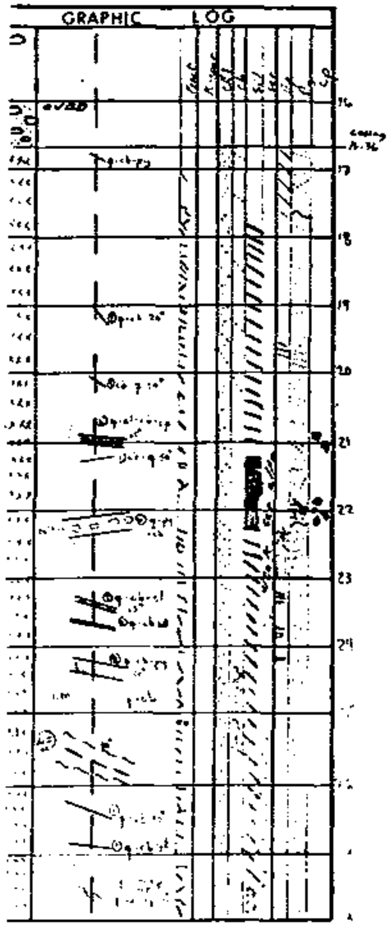
I D E N 6 8 0 2 0 1	UNIQUE ID OF PROJECT: WINDY	DRILL HOLE / TRAVERSE: DDH-09	SIZE OF CORE	LOGGED	BY: MAP	ASST'D	DRILLER (S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH						PAGE: 02	OF: 09
S	DRILL COORD SYSTEM UNITS →	M/F: T	TOTAL DEPTH/LENGTH	AZM	V ANG	NORTHING	EASTING	ELEVATION													

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

GRAPHIC LOG



(0.0-16.8) OVERBURDEN)

DESCRIPTIVE REMARKS

(16.8-103.0) MEDIUMGRAINED DIORITE : light grey, [illegible] 6.5, equigranular
70-80% plag, [illegible], 20-30% mafics (px, hbl), with 5-[illegible]
[illegible] (silicific'n makes it diff. to determine if any is primary).
Alt'n: [illegible] of mafics [illegible] but wk. chl-fract. [illegible] Ser repl
of plag present. Ep repl of plag is patchy (mod → v.wk), the patchiness
because of [illegible], silicific'n where silicific'n is strong ep is weak.
Silicific'n is pervasive but ranges from strong → wk, it [illegible]
[illegible] salts.
2 [illegible] of py: 1-2% dis in [illegible] & traces of dis py as fract. fill
[illegible] cp [illegible] in 3 qtz [illegible] (~20% of the [illegible])
16.8-17.7: [illegible]% ep veinlets & mod perv ep alt'n, [illegible]
17.7-20.4: mod perv silicification
20.4-20.[illegible]: [illegible] Q [illegible] & 10% ep veinlets [illegible]
@ 20.95: qtz vn [illegible] of pieces of [illegible] & 20% [illegible] cp.
21.0-22.0: strong sil'n due to qtz veining
@ 22.1: 5-[illegible] zone of qtz vein & [illegible] w/ 20% py
& 5-10% [illegible] cp.
23.3-24.5 Patchy [illegible] ep alt'd
24.5-25.5 Recut by 20% ch-q veinlets [illegible]
25.5-25.8: shear zone [illegible] @ 50°
25.5-28.1: 10% ep veinlets [illegible]

1	4	FROM (5-10)	TO (11-16)	RECOV. / RQD (18-20)	T-MOD / CS (21-23)	ROCK / CB (24-27)	QZ VEINS / FRACTURES (43-46)	57-58	59-60	61-62	63-64	65-66	67-68	69-70	71-72	73-76
/								CL	CB	SI	KF	P1	P2	P3	E1	
L								EP	SE	SP		CP	LI	MA		
P		000	1680			OVBD										
P		1680	10300			MGDR										
D		1680	1770	100			200	P1	<)			D)		<†	E1	
L				78	R2		100	P2		P1					<1	
A	1	1680	1770		A5	926										
D		1770	2040	85			100	P0		P2		D)		<•		
L				74	R2		241	Q+		P=						
A	1	1770	2040		A5	927										
D		2040	2080	100			210	P=	<)	P2				<•	E1	
L					R2		110	Q•	<)	P=					•1	
A	1	2040	2080		A5	928										
D		2080	2095	100			010	P=	<)	P2		Q)			E1	
L				100	R2		000			P=					<•	
N		2095	2100	100	CP6	QCVN										
L				100	R3							M2				
D		2100	2110	100			010	P•	<)	P2		Q•			E1	
L				100	R2		000			P=					<)	
A	1	2080	2110		A5	924										
D		[illegible]	[illegible]	97			130	P•	<)	P3		Q•		<9	E1	
L				[illegible]	R2		111			P•					<)	
A		2110	2200		A5	930										
N		2210	2215	120	CP5	QCVN								<2		
L				100	R2		010					M1				
A	1	[illegible]	[illegible]30		A5	93[illegible]										
D		[illegible]215	[illegible]	78			021	P=	<)	P2		P)			E1	
L				58	R2			Q1		P=					<1	
A	1	2230	2330		A5	932										
D		2330	2450	100			111	P=	<)	Q2		D•		<•		
L				86	R2		231	Q+		P=						
A	1	2330	2450		A5	933										
D		2450	2550	90			321	P=	<1	P2		Q)		<•	E1	
L				60	R2		2[illegible]1								<4	
A	1	2450	2550		A5	934										
N		2550	2[illegible]80	66	55	6[illegible]R	021	P4	<=	P+		Q)	U)			
L				32	61											
A		[illegible]	[illegible]230		A5	935										
D		2580	2[illegible]10	92			221	P=	<)	P2		D•			E1	
L				92	R2		121			P=					<1	
A	1	2580	28[illegible]		A[illegible]	[illegible]										

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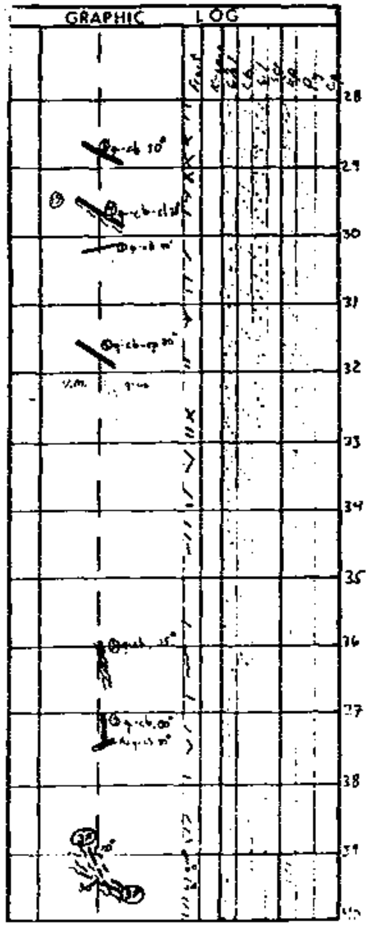
UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER(S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE OF
IDEN680201 W/NOP	CDM-09			MAP										3 of 9

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



DESCRIPTIVE REMARKS

28.1 - 29.5: 10% ep veinlets [illegible] 4% [illegible] sch [illegible]. Traces of [illegible]
@ 29.6: a 2cm qz-cb-cl vein [illegible]

29.9 - 33.0: 15% ep veinlets @ >20-%°, [illegible]

33.0 - 36.0: 33% ep veinlets 20-30° to CA, [illegible] 5% [illegible] up to 2mm, a slight increase from above [illegible] the [illegible] (especial[illegible])
34.? - 34.7 a 3cm qz-cb vein [illegible] along w/ ep veinlets [illegible] 34.3-34.5 /

36.0 - 38.1: 5% qz-cb veinlets @ 0-30° to CA

38.0 - 39.4: Fault zone w/ 3cm of gouge [illegible] + a 15cm gouge zone (10°). Broken-up qz-cb vein @ [illegible]

@ 39.4 grain size increases slightly (still [illegible] f.g.) + mafic phenocrysts 1-2mm + ~5% are more prevalent.

1	4	FROM (5-10)	TO (11-16)	18-20 RECOV / RQD	21-22	23-27 ROCK / Sample Serial No.	43-46 QZ VEINS / FRACTURES	57-58 CL / FP	59-60 CB / SE	61-62 SK / SP	63-64 KF	65-66 P1 / CP	67-68 P2 / LZ	69-70 P3 / MB	71-72 E1	73-76
D		2810	2950	93			100	P=	36	P-		D·			E1	
L				72	R2		120	P=		P=			<R		<1	
A	1	2810	2950			AS937										
D		2950	2990	9?			100	P=	34			D·			r1	
L				37	R2		310	P-		P=			<#		<1	
A	1	2950	2990			AS938										
D		2990	3300	100			110	P=	<)			D·			E1	
L				95	R2		342	P=		P=			<P		<1	
A	1	2990	3200			AS934										
D		3300	3600	70			100	P=	4*			D·			E1	
L				90	R2		322	P)		P+					<)	
A	1	3450	3510			AS940										
D		3600	3910	100			200	P=	4=			D·			E/	
L				62	R2		111	R+		P+					<)	
A	1	3600	3810			AS941										
D		3810	3900	98			000	P=	<)							
				70	R2		130	P+		P+		D·			E1	
N		3900	3940	100	S3	6FALT	110	P>	<1			D·			<)	
L				00	R1		221	P+		P+						
A	1	3900	3990			AS942										
D		3940	4210				110	P1	C)			D·			E/	
L							121	P1		P1					<+	
A	1	3940	4210			AS943										

PLACER DOME INC.

(Geolog Form 3)

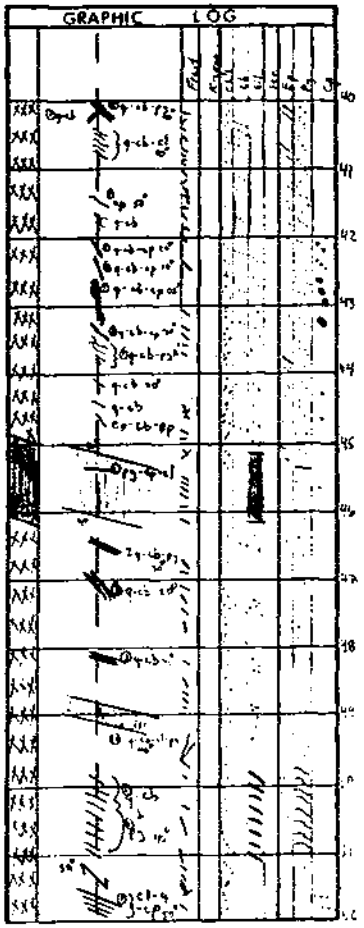
IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASST'D	DRILLER(S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED	SYSTEM	GRID AZIMUTH	PAGE	OF
IDEN6B0201	W/NOY	DDM-09			AAP										4	9

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

ROCK TYPE / VEINS / FRACTURES / ALTERATION / MINERALIZATION / METERAGE

FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS: / : CL CB SE KE P1 P2 P3 EL ; L : EP SE SP CP CE MA

GRAPHIC LOG



DESCRIPTIVE REMARKS

42.1-43.8 : q-cb veins 2mm thick parallel to C.A. w/ blebs of cp up to 1cm. Very slight silicif'n

43.8-45.1 : mg ll alt, 10% cp-volls anastomosing

45.1-46.1 : Quartz vein grab shear, cut by cheap vnl's traces of py & tcp all

46.1-49.8 : Silicif'n is pervasive near veins, where present at unexpected ep alt'n. Some py [illegible] m'l

48.75-49.05 - q-cb-cl py vein ∠ 40°

49.8-51.0 : Mod. silicif'd, heavily veined (q-cb ∠45) + 10% 1cm py veins ∠ 40°

1	4	FROM (7-10)	TO (13-16)	RECOV / RQD (18-20)	21-23	ROCK / CS / Sample (24-27)	QZ VEINS / FRACTURES (43-46)	57-64	65-76
D		4210	4380	94			e31	P1 C= P.	D= C+ EL
L				88	RZ		110	Q1	C+ C=
A	1	4210	4380			A5944			
D		4380	4520	97			121	P1 C= P	A C- E1
L				76	R2		131	P1 P	C. C+
A	1	4380	4510			A5945			
D		4510	4610	80	9	QTZV	N 121	C1	Q. C1 E1
L				60	R3				C+
A	1	4510	4610			A5946			
D		4610	4980	97			132	P1 C= Q2	D4 C. E1
L				85	R2		232	Q1 Q1	C1
A	1	4610	4875			A5947			
A	1	4875	4905			A5948			
A	1	4905	4980			A5949			
D		4980	5100	78			130	P1 C= PZ	D4 C1
L				60	R2		111	P1	V.
A	1	4980	5100			A5950			

PLACER DOME INC.

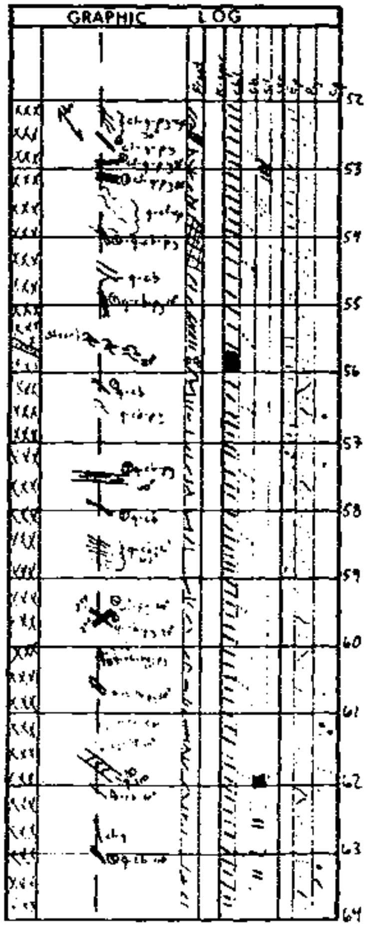
(Geolog Form 3)

IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED BY	PAGE	OF
680201	WINDY	DDH-09		MAP	5	9

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

ROCK TYPE — VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

51.0-54.0: 10-20% [illegible] veins @ 50°, up to 1% cp throughout: found in [illegible] stringers & bands. [illegible] which is also found along fracture planes. Very weak [illegible] defined by cp [illegible] @ 30° - [illegible] veins cut [illegible].

54.0-55.6: cp altd diorite

55.6-55.7: v.f.g. intermediate dyke, @ 90°, but [illegible] has an upper chilled margin while lower contact is a [illegible] [illegible] up [illegible] within dyke.

56.0-59.0: [illegible] qtz-ep veins, [illegible], [illegible] @ 57.5 [illegible]

59.0-61.6: [illegible] [illegible]

61.6-61.8: [illegible] QC vein, [illegible], 30°, [illegible] [illegible] [illegible]

61.8-65.0: [illegible] [illegible]

1	4	FROM (5–10)	TO (11–16)	RECOV (18–20)	21–23	ROCK (24–27)	QZ VEINS (43–46)	57–76
D		5100	5400	90			XXX	P1 L) Q• O• C• E1 C1 HE
L				40	R2		XXX	P1 P= O) L1 C1 C)
A	1	5100	5400			A5951		
D		5400	5560	100			121	P1 L) O- C• E1 HE
L				35	R2		XXX	P3 P2 C• C•
A	1	5400	5560			A5952		
N		5560	5570	100	X	IM/:D	010	L1
L				100	R2		000	P1
N		5570	5600			FA67		
A	1	5560	5600			A5953		
D		5600	5900	99				
L				73	R2		351	P1 L) O• U) C• E1 HE
A	1	5600	59[illegible]			A5954	221	P2 P1 U• C• C)
D		5900	6160	[illegible]			123	P1 L) O• U• C• E1 HE
L				70	R2		232	P1 P1 U• C• C)
A	1	5900	6160			A5955		
N		6160	6180	100	X	QCVN		O•
L							210	L4
A	1	6160	6180			A5956		
G		[illegible]80	6500	94			442	P1 L1 Q4 O• C1 E1 HE
L				97	R2		130	C• C1 C1
A	1	6180	6500			A5[illegible]		F1 P1

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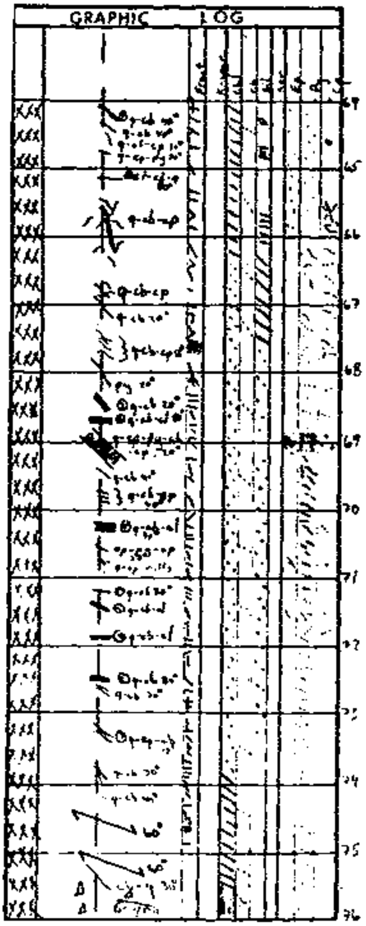
(Geolog Form 3)

I D E N	6 B 0 2 0 1	Unique ID of Project: W / W O Y	Drill Hole / Traverse: O D H - 0 9	Size of Core	Logged	By: M A P	Page 6 of 9
S	Drill Coord System Units →	M/F: T	Total Depth/Length/Azm	V Ang	Northing	Easting	Elevation

ROCK TYPE · VEINS · FRACTURES · ALTERATION · MINERALIZATION · METERAGE

GRAPHIC LOG



DESCRIPTIVE REMARKS

65.0-68.0 : Mod. [illegible] silicific'n - due to qt veilts [illegible] ~0.5 % ep [illegible] in q-cb veilts, 1-2% py veilts - [illegible] ep in the 5-10% q-cb vn mat. Other alt'n's are very wk - prob because sil has overprinted them

68.0-68.75 : weak [illegible] silicific'n, <1% py veilts w/ traces of ep in them. 1-3% q-cb vn mat.

68.75-69.10 : V. strongly ep altered & veined. 20% dis py & 5% ep. True width of this alt/veined section is 20cm.

69.1-72.0 : weak silicific'n, 1-2% q-cb vn mat. ~1% py veilts, some cont. traces of ep. @ 70.8 5cm of heavy ep veilts

72.0-73.9 : alt'n [illegible], 1-2% q-cb vn mat, ~1% py as veilts @ 73.0 10% ep [illegible]

73.9-75.4 : [illegible] foliated @ 60°, [illegible] py, [illegible] q-cb vn mat.

75.4-77.9 : Brecciated zone [illegible] (bottom up), 1-2% dis py. Contacts ~60°

Card (1, 4)	FROM (5–10)	TO (11–16)	RECOV / RQD (18–20)	(21–23)	ROCK / Sample Serial No. (24–27)	QT VEINS / FRACTURES (43–46)	Column headings HA/XX (57–76)
							C L C B 2 E 6 E P 1 P 2 P 3 E 1 C 1 H E
							E P S E S P · · C P L Z M A
D	6 5 0 0	6 8 0 0	9 7			3 3 1	P = <) P 2 · · D) · · <) E 1 < 1 H E
L			8 3	R 3		3 3 1	Q) · · P = · · <) · · · · <) < · <)
A 1				A	5 9 5 8		
D	6 8 0 0	6 8 7 5	9 9			1 1 1	P = <) P = · · D · · · < · · · C 1 H E
L			9 6	R 2		2 3 1	Q · · · P - · · < · · · · · · · < · < H
A 1				A	5 7 5 9		
N	6 8 7 5	6 9 1 0	1 0 0			1 1 0	D 2 · · E 1
L			8 0	R 2		1 1 1	D † · · < 2
A 1	6 8 7 5	6 9 1 0		A	5 9 6 0		
D	6 9 1 0	7 2 0 0	9 7			0 3 2	P = <) P = · · D · · · < = E 1 · · H E
L			5 7	E 2		3 3 3	P) · · < · · · <) · · <)
A 1	6 9 1 0	7 2 0 0		A	5 9 6 1		
D	7 2 0 0	7 3 9 0	· 4			0 2 1	P = <) P 1 · · D · · · < + E 1 · · H E
L			6 0	R 2		1 3 2	P · · · <) · · <)
A 1	7 2 0 0	7 3 9 0		A	5 9 6 2		
D	7 3 9 0	7 5 4 0	9 3	F 2		0 2 0	P 3 <) · · D -
L			5 3	R 2		2 4 1	
A 1	7 3 9 0	7 5 4 0		A	5 9 6 3		
N	7 5 4 0	7 7 9 0	7 5	8 X 8	E A 6 7	X X X	P 2 < 2 · · D) · · = 1
L			3 5	R 1		2 4 1	<)
A 1	7 5 4 0	7 7 9 0		A	5 9 6 4		

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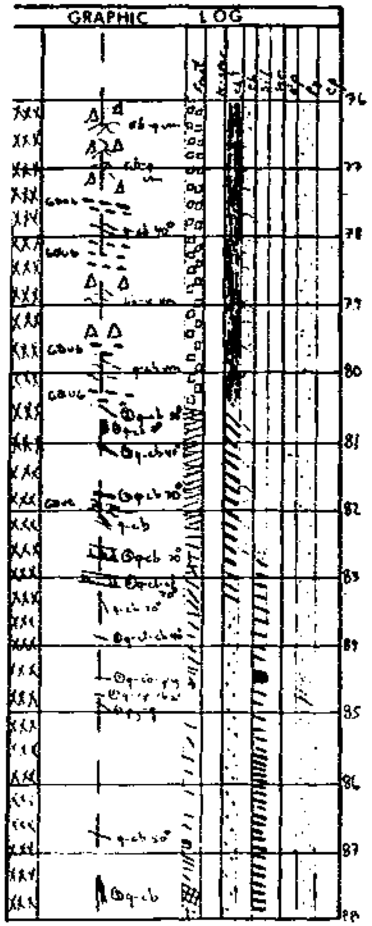
Geolog Form 3)

IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	PAGE OF
680201	W, WOY	DD#-07			MAA	7 / 9

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

		FROM (5–10)	TO (11–16)	RECOV (18–20)	T-MOD (21–22)	% MIN (23)	ROCK (24–27)	QZ VEINS (43–46)	FILL IN COLUMN HEADINGS FOR HA/XX TYPE HEADINGS (57–76)
/									CL CB SS KF PK PZ PS HE
				RQD			CS	FRACTURES	
L									FP SF SP CP CZ MA
				RECOV	SS Sample Serial No.				

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



DESCRIPTIVE REMARKS	1	4	FROM (5–10)	TO (11–16)	18–20	21–23	24–27	43–46	57–76
77.4-80.2 : Fault w/ 50% gouge, 50% bx'd diorite									
& 70-30% cb-q vn mat - broken up. 1-2% dis py in g.m.	N		7770	8020	24		XFAULT	XXX	A3 42 ... D)
	L				18	R1		XXX	P1
	A	1	7770	8020			A5965		
80.2-82.5 : weakly silicif'd m.g. dior, very broken up,	O		8020	8250	83			121	12 41 ... O)
5-10% q-cb vn mat, trace dis py in g.m.	L				20	R3		XXX	
@81.8 : 2cm of gouge, this unit is still partially	A						A5966		
faulted (80.2-82.5)									
82.5-85.5 : mod. silicif'd, trace of py as dis. and in veins	O		8250	8550	93			112	P1 4C P2 ... O. U. 4. HE
~1% q-cb vn mat.	L				70	R3		342	4.
assayed from 82.6-83.05 because of two 4-6cm (2 vn) q-cb veins	A	1	8350	8305			A5967		
assayed from 84.3-85.1 because of int silic'n @84.4 & py vein	A	1	8430	8510					
@ 84.9									
85.5-90.5 : same as above but sil is a bit stronger,	O		8550	9050	90			121	P1 44 P3 ... O. U.
<<1% py. <1% vein mat.	L				40	R3		XXX	
assayed because of 5% dis py (fine) (?) @ 89.5	A	1	8900	9005			A5968		

PLACER
DOME
INC.
(Geolog Form 3)

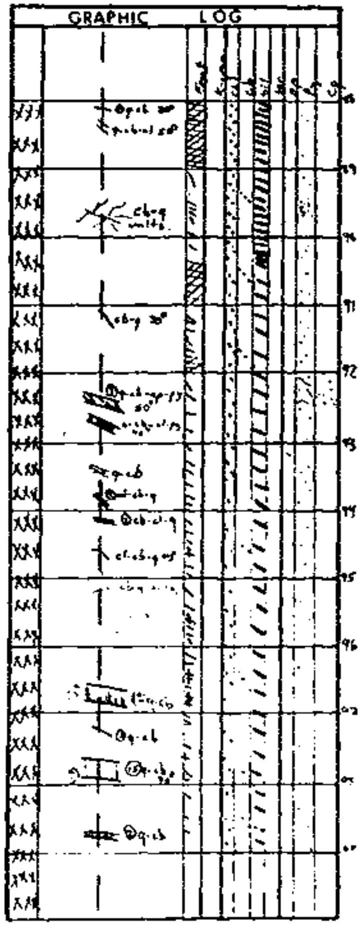
IDEN	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	BY	ASS'T.	DRILLER(S)	MONTH	YEAR	TYPE	TIME-HRS	SURVEYED SYSTEM	GRID AZIMUTH	PAGE OF
IDEN680201	WINDY	DDH-09			MAP									18 OF 9

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	%	ROCK	QZ VEINS	FILL IN COLUMN HEADINGS FOR NA/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	57–76
/								CL CB SZ FP P1 P2 P3
			RQD			CS	FRACTURES	
L								EP SE EP CP LZ MA
			RECOV	SS Sample Serial No. 27 28 29 30 31 32				
A								

GRAPHIC LOG



DESCRIPTIVE REMARKS

90.5 - 93.8 : med/strong silicic, maybe slightly weaker than above because equigran text is preserved west ch. slip magn. dlor - cs is med. gray
@ 92.5 a 2cm q-cb-cp vein where cp is found along both edges of the vein w/ py.
(2% cb-q vn meat)
assayed from 92.3 - 92.8 : because of 5% py + 1% cp in vein

93.8 - 99.0 : same as above but less veining + only traces of dis py.
assay 95.6 - 97.? : 12cm (T.W) q-cb vein, occasional w/ traces py in host on contacts.

1	4	FROM (5–10)	TO (11–16)	18–20	21–23	24–27	43–46	57–64	65–72
D		9050	9380	79			132	P1 <) P2	D. U. <2
L				41	P3		342		<.
A	1	9230	9290			A5967			
D		9350	9900	96			231	P1 <) P2	D.
L				80			353		
A	1	9550	9916			A5970			

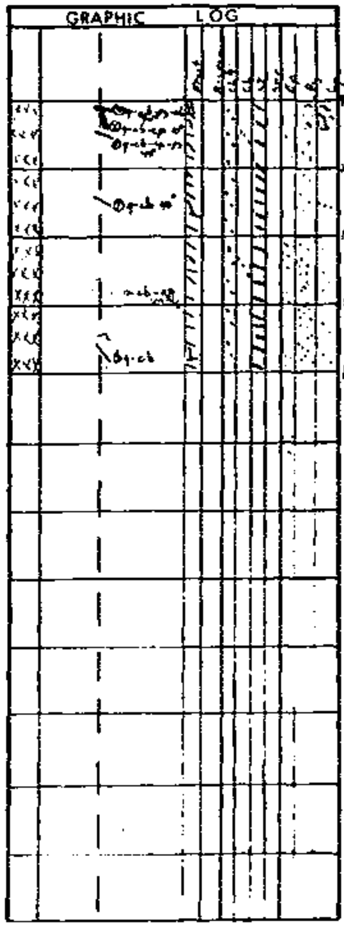
PLACER DOME INC.

(Geolog Form 3)

1 DEN680201	UNIQUE ID OF PROJECT: WIWDY	DRILL HOLE / TRAVERSE: DDM-09	SIZE OF CORE	LOGGED BY: MAF
DRILL COORD SYSTEM UNITS: S	M/F: T	TOTAL DEPTH/LENGTH	AZM	V ANG
NORTHING	EASTING	ELEVATION	PAGE: 1? / 9	

ROCK TYPE — VEINS — FRACTURES — ALTERATION — MINERALIZATION — METERAGE

GRAPHIC LOG



100

101

102

103 end of hole

DESCRIPTIVE REMARKS

99.0 - 103.0 : Mod & Perv silicif'n, patchy ep alt'n (mod) - w/ less where ep present

assayed from 99.0-99.5 because 3 q-ab was cut up to 20% ep

99.5 - 101.0 Wq-cb [illegible], traces of py, 2 ep [illegible]

101.0 - 103.0 : py increases to ±3% as fract. fill, traces of cp w/ the py

1	4	FROM (5–10)	TO (11–16)	RECOV / RQD (18–20)	T-MOD (21–23)	ROCK / CS (24–27)	QZ VEINS / FRACTURES (43–46)	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	HE	E1	
L								FP	SE	#P		CP	LI	MA			
0		99.00	103.00	99		121		P1	<>	P2		D·	U·	L·	HE	E1	
L				75	R3	442		a)		a)		<>			<>	<>	
A	1	99.00	99.50		A5	971											
		99.50	101.00		A5	973											
		101.00	103.00		A5	973											

*** DRILL HOLE : DDH-09 ***

Core Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AS (ppm)	AU (ppb)	CU (ppm)	PD (ppb)
A5926	16.80	17.70	0.90	0.1	1	3	196	
A5927	17.70	20.40	2.70	0.1	1	30	860	
A5928	20.40	20.80	0.40	0.1	2	10	382	
A5929	20.80	21.10	0.30	1.3	7	5	8000	
A5930	21.10	22.00	0.90	0.1	1	25	1010	
A5931	22.00	22.30	0.30	1.9	2	670	9000	
A5932	22.30	23.30	1.00	0.1	1	1040	590	
A5933	23.30	24.50	1.20	0.2	1	210	1240	
A5934	24.50	25.50	1.00	0.1	3	100	500	
A5935	25.50	25.80	0.30	0.1	2	10	77	
A5936	25.80	28.10	2.30	0.1	1	60	98	
A5937	28.10	29.50	1.40	0.1	3	50	30	
A5938	29.50	29.90	0.40	0.1	4	50	95	
A5939	29.90	33.00	3.10	0.1	1	3	51	
A5940	34.50	35.10	0.60	0.1	1	20	285	
A5941	36.00	38.10	2.10	0.1	2	75	640	
A5942	39.00	39.40	0.40	0.8	1	125	590	
A5943	39.40	42.10	2.70	0.2	1	130	470	
A5944	42.10	43.80	1.70	0.7	2	240	2460	
A5945	43.80	45.10	1.30	0.7	1	125	1670	
A5946	45.10	46.10	1.00	0.2	1	65	670	
A5947	46.10	48.95	2.85	0.4	1	70	940	
A5948	48.95	49.05	0.10	0.1	2	500	187	
A5949	49.05	49.80	0.75	0.2	2	165	930	
A5950	49.80	51.00	1.20	0.9	3	125	4000	
A5951	51.00	54.00	3.00	0.8	3	175	2350	
A5952	54.00	55.60	1.60	0.6	5	160	386	
A5953	55.60	56.00	0.40	0.4	8	160	172	
A5954	56.00	59.00	3.00	0.1	1	125	235	
A5955	59.00	61.60	2.60	0.3	3	350	2230	
A5956	61.60	61.80	0.20	0.1	3	250	261	
A5957	61.80	65.00	3.20	0.2	1	400	1950	
A5958	65.00	68.00	3.00	0.2	2	435	1930	
A5959	68.00	68.75	0.75	0.1	2	200	1350	
A5960	68.75	69.10	0.35	3.2	12		21800	12
A5961	69.10	72.00	2.90	1.0	11	160	2740	
A5962	72.00	73.90	1.90	0.2	1	50	281	
A5963	73.90	75.40	1.50	0.6	1	55	560	
A5964	75.40	77.40	2.00	1.2	5	125	630	
A5965	77.40	80.20	2.80	0.5	1	30	146	
A5966	80.20	82.50	2.30	0.2	1	3	133	
A5967	82.50	83.05	0.55	0.1	3	3	51	
A5968	89.00	90.05	1.05	0.2	3	80	237	
A5969	92.30	92.90	0.60	2.0	4	125	5400	
A5970	98.50	99.00	0.50	0.3	9	45	322	
A5971	99.00	99.50	0.50	1.9	1	80	8100	
A5972	99.50	101.00	1.50	0.9	1	625	2650	
A5973	101.00	103.00	2.00	0.6	23	80	337	

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A6448	16.76	20.73	3.97	0.1	3	405

*** DRILL HOLE : DDH-09 ***

Sludge Sample	From MT	To MT	Interval	Assay Fields: AG (ppm)	AU (ppb)	CU (ppm)
A6449	20.73	23.77	3.04	0.1	90	1090
A6450	23.77	26.82	3.05	0.1	110	390
A6451	26.82	29.87	3.05	0.1	20	133
A6452	29.87	32.92	3.05	0.1	3	155
A6453	32.92	35.97	3.05	0.1	90	440
A6454	35.97	39.01	3.04	0.1	140	510
A6455	39.01	42.06	3.05	0.1	125	337
A6456	42.06	45.11	3.05	0.4	220	1810
A6457	45.11	48.16	3.05	0.4	130	1640
A6458	48.16	52.21	4.05	0.1	170	1740
A6459	52.21	54.25	2.04	0.1	75	1510
A6460	54.25	57.30	3.05	0.1	80	377
A6461	57.30	60.35	3.05	0.1	225	314
A6462	60.35	63.40	3.05	0.1	450	1810
A6463	63.40	66.45	3.05	0.1	495	1820
A6464	66.45	69.49	3.04	0.4	870	2660
A6465	69.49	72.54	3.05	0.6	1080	2830
A6466	72.54	75.59	3.05	0.2	180	630
A6467	75.59	78.64	3.05	0.2	205	340
A6468	78.64	81.69	3.05	0.1	1	95
A6469	81.69	84.73	3.04	0.1	1	182
A6470	84.73	87.78	3.05	0.1	95	346
A6471	87.78	90.83	3.05	0.1	100	353
A6472	90.83	93.88	3.05	0.1	100	530
A6473	93.88	96.93	3.05	0.1	105	257
A6474	96.93	99.97	3.04	0.1	350	1750
A6475	99.97	103.00	3.03	430.0	200	1950

Ent