Abbreviations Used in East Bay Drill Logs

CA -	core axis
carb -	carbonate
~ -	approximately
dgs -	degrees
vs -	versus
gaz -	green altered zone
fe-carb -	iron carbonate

Note: Assays are reported in oz/ton Au on the drill logs, and in g/t on the assay certificates.

PLACER DOME CANADA

a division of
PLACER DOME (CLA) LIMITED

P.O. Box 43
Suite 3201, 130 Adelaide Street West
Toronto, Ontario M5H 3P5
Phone: (416) 363-4962 Fax: (416) 359-9787

DDH: 147-049

NORTHING:	6180.00	**AZIMUTH:**	37.00
EASTING:	-1445.00	**DIP:**	-55.00

DRILL DATE: Feb. 1997 **DATE LOGGED:** April, 1997

LENGTH: 617.00 feet

DEPTH TO OVERBURDEN: 148.00 feet

LOCATION: 600 feet north, 90 feet east of Post #2 of claim KRL 561172

DRILLED BY: N. Morissette: A Division of Boart Longyear Inc.
P.O. Box 40
Cochenour, Ontario
P0V 1L0

CORE: CORE STORED ON CAMPBELL MINESITE

REPRESENTATVE OF COMPANY RESPONSIBLE FOR DRILL PROGRAM:

Placer Dome Canada
Paul Brown
7031 Estoril Rd.
Mississauga, Ontario
L5N 1N3

Paul Brown

signed by PAUL BROWN, Senior Geologist, PDC

*** East Bay ***
Placer Dome Canada

Drill Hole: 147-049

Date: 16th May, 1997
Northing : 6180.00
Easting : -1445.00
Elevation : 10000.00
Hole Depth : 617.00ft

Project ID : 147
Core Size : NQ
Date Logged : APR2897
Logged By : AMS
Assisted by :

Drilling Company: N. Morissette: A division of Boart Longyear Inc.
Drill Type: CUMMINGS 56

Drill Hole Survey Data

Depth	Azimuth	Dip
Collar	37.00	-55.00
477.00	35.00	-59.00
617.00	29.50	-59.00

Grid Azimuth: 037
Coord System:

Drillers : RTMK
Drill date : FEB97
Rig Type : C56
Drill Time :
Print Template : GTRAN001.FMT
Gtran Version : 3.6.6

From	To	Geology	SAMPLE A001	FROM A001	TO A001	GOLD A001
0.00	148.00	CASING				
148.00	157.30	ULTRAMAFIC INTRUSIVE, VERY FINE GRAINED, MODERATELY FOLIATED, FOLIATION 20° CA, 20% stringers of Fe Carbonate *R: very fine grained to aphanitic, gray to greenish grey in colour. foliated with fe carbonate veining at 15-20 degrees. very weakly talcose, barren of sulphides. slickensides at 55 degrees to long axis of fracture (parallel to foliation)* *R: 157.00 160.00 section as described from 157.3 to 159.5*	BO6751	157.00	160.00	0.000
157.30	159.50	MAFIC VOLCANIC, FINE GRAINED, MODERATELY FOLIATED, FOLIATION 20° CA, CONTACT (IRREGULAR) 20° CA,, trace disseminated Chalcopyrite, trace disseminated Pyrrhotite *R: narrow greener, more chloritic section, very possibly mafic volcanic. minor hematite staining at 157.5. trace pyrrhotite and chalcopyrite.*				
159.50	199.00	ULTRAMAFIC INTRUSIVE, VERY FINE GRAINED, INTENSELY FOLIATED, FOLIATION 10° CA, 10% stringers of Fe Carbonate, specks of Chalcopyrite, 0.5% specks of Pyrrhotite, 0.5% specks of Pyrite *R: unit is slightly talcose, strongly foliated, with <0.5" wide broken up/boudinaged stringers of ankerite. minor to trace pyrite and pyrrhotite, trace chalcopyrite, carbonaceous or magnetic. foliation and carbonate veining at 10-20 degrees. fractures parallel foliation, sulphides generally along slickensides (at 65 degrees to long axis of fracture). unit masssive to very blocky.* *R: 160.00 199.00 samples bo6752-6764 as described from 159 to 199.*	BO6752	160.00	163.00	0.000
			BO6753	163.00	166.00	0.000
			BO6754	166.00	169.00	0.000
			BO6755	169.00	172.00	0.000
			BO6756	172.00	175.00	0.000
			BO6757	175.00	178.00	0.000
			BO6758	178.00	181.00	0.000
			BO6759	181.00	184.00	0.001
			BO6760	184.00	187.00	0.000
			BO6761	187.00	190.00	0.000
			BO6762	190.00	193.00	0.000
			BO6763	193.00	196.00	0.000
			BO6764	196.00	199.00	0.000
199.00	203.00	LAMPROPHYRE, MASSIVE, EQUIGRANULAR, CONTACT UPPER 15° CA, FRACTURE SET 55° CA,, 0.5% disseminated Chalcopyrite	BO6765	199.00	203.00	0.000

From	To	Geology	SAMPLE A001	FROM A001	TO A001	GOLD A001
		R: fine to medium fine grained, dark grey to black, massive, with fractures (7-10/foot) with slickensides at 60 degrees. fractures at ~90 to upper contact (at 20). lower contact broken up. minor chalcopyrite.not carbonaceous. bo6765 - as described above				
203.00	205.70	ULTRAMAFIC INTRUSIVE, TALCOSE, SHEARED, SHEAR 15° CA, 20% stringers of Fe Carbonate, weak pervasive Serpentinite *R: sheared, grey to light green, 10 to 20% grey fe-carbonate veinlets/stringers, stretched, parallel to shearing at 10 to 20 degrees. barren of sulphides. not carbonaceous or magnetic bo6766 as described above*	BO6766	203.00	205.70	0.000
205.70	221.50	MAFIC VOLCANIC, BIOTITE < CHLORITE, SCHISTOSE, CONTACT UPPER 15° CA, FOLIATION 20° CA,, weak patchy Biotite, 30% stringers of Fe Carbonate, weak pervasive Chlorite, trace disseminated Chalcopyrite, 0.03% disseminated Pyrite *R: green, chloritic, locally clotty biotite, locally trace pyrite, 15-20% fe carbonate veining for first 3' at 20 degrees. locally 0.25-0.5" chloritic gougy fractures at 10-30 degrees. varies from weakly foliated to possibly faulted at lower contact. locally weakly actinolitic.* *R: 205.70 208.70 bo6767-10% fe-carbonate veinlets at 15-20%, parallel schistosity. weakly actinolitic, 3-5%. trace pyrite* *R: 208.70 211.70 bo6768 15% stretched fe-carbonate stringers/veinlets. trace to .5% pyrite. 3% anthophyllite/antigorite* *R: 211.70 214.70 5% fe carbonate veining. minor chalcopyrite.* *R: 214.70 217.70 bo6770 - trace pyrite, moderately to very blocky, chloritic, anthophyllitic. gouge filled fractures parallel to core axis.* *R: 217.70 219.70 bo6771-minor pyrite, chalcopyrite in fe-carbonate vein. vein over 1.4' core length, at 0 to 25 degrees. blocky due to 0-10 degree fractures (chloritic, gougey). true width (?) 6"* *R: 219.70 221.50 very blocky, lower contact possibly faulted. low angle chloritic fractures crosscut strong foliation at 20 degrees. trace pyrite*	BO6767 BO6768 BO6769 BO6770 BO6771 BO6772	205.70 208.70 211.70 214.70 217.70 219.70	208.70 211.70 214.70 217.70 219.70 221.50	0.000 0.000 0.000 0.000 0.000 0.000
221.50	363.70	ULTRAMAFIC INTRUSIVE, SERPENTINIZATION, MODERATELY FOLIATED, FOLIATION 20° CA, FE-CARBONATE VEIN 20° CA,, 10% stringers of Fe Carbonate, trace specks of Pyrrhotite, trace specks of Pyrite, 50% patchy Serpentinite, 10% specks of Talc *R: unit is fine grained, light apple green in colour, slightly talcose, serpentine (15 -20%), locally trace specks of pyrite. 5% fe-carb stringers and veinlets at 10-20 degrees.* *R: 221.50 224.50 bo6773 -as described for unit* *R: 224.50 227.50 bo6774 - as described for unit* *R: 227.50 275.50 samples bo6776 to bo6790 similar to unit as described* *R: 275.50 280.00 ultramafic intrusive, sheared at 0 degrees, 10% stringers of fe carbonate, trace specks of pyrrhotite and pyrite* *R: 280.70 283.00 foliation/banding in unit at 40 to 45 dgs, with hairline chloritic fractures at 10 to 20 dgs (parallel to foliation as before). unit contains 5-10% anthophylite. narrow altered fe-carb. veinlet with possibly 1-3% tremolite, at 45 degrees, crosscut by 30 degree fracture (subparallel) to common foliation at 20 degrees.* *R: 285.00 285.00 appearance of unit changing, overall darker green to greenish black. groundmass medium fine grained to aphanitic, texture more massive, locally resembling mafic volcanic, around 295.5 grey fe-carb. veinlets becoming more intact although orientation is steeper, on average vs 0-20 dgs, the orientations are not consistent (30-70 dgs.) veining up to 0.7 feet wide. locally narrow sections resemble gaz. unit more actinolite and tremolite rich (3-5%), minor chlorite with some veining. vein margins may be bleached, as groundmass around healed fractures. as*	BO6773 BO6774 BO6775 BO6776 BO6777 BO6778 BO6779 BO6780 BO6781 BO6782 BO6783 BO6784 BO6785 BO6786 BO6787 BO6788 BO6789 BO6790	221.50 224.50 227.50 230.50 233.50 236.50 239.50 242.50 245.50 248.50 251.50 254.50 257.50 260.50 263.50 266.50 269.50 272.50	224.50 227.50 230.50 233.50 236.50 239.50 242.50 245.50 248.50 251.50 254.50 257.50 260.50 263.50 266.50 269.50 272.50 275.50	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

From	To	Geology	SAMPLE A001	FROM A001	TO A001	GOLD A001
		with unit thus far lack of quartz veining. locally trace pyrite. unit averages 20% fe-carb veining, up to 70% over 1 foot. unit becoming weakly magnetic.	BO6791	275.50	278.50	0.000
		R: 287.57 290.50 samples bo6795- bo6806 contain from 10 to 20% grey fe-carb. veins generally at 50-70 dgs.	BO6792	278.50	281.50	0.000
		R: 290.50 290.50 decrease in abundance of carb. veining, 5-10%. weak foliation developing, crosscutting veins at 30 dgs. locally getting clots of serpentine. locally trace speck(s) of pyrite	BO6793	281.50	284.50	0.000
		R: 313.50 314.50 70% grey fe-carb veining, with chlorite around margins	BO6794	284.50	287.50	0.000
		R: 326.50 329.50 bo6808- contains .2' fe-carb. vein at 50 dgs. and .6' of mottled blebby veining	BO6795	287.50	290.50	0.000
		R: 335.00 336.50 mottled, talcose ultramafic, 20% veinlets of fe carbonate, 10% patchy talc	BO6796	290.50	293.50	0.000
		R: 336.50 339.50 bo6812 - .2' fe-carb. vein at 50 dgs.	BO6797	293.50	296.50	0.000
		R: 339.00 339.00 foliation intensity increasing to moderate. at 30 dgs.	BO6798	296.50	299.50	0.000
		R: 342.50 345.50 bo6814 contains 1' section with 0-5 degree fe-carb. vein	BO6799	299.50	302.50	0.000
		R: 351.50 354.50 bo6817 - 7-10% fe-carb, veining irregular and at 30 dgs	BO6800	302.50	305.50	0.000
		R: 354.50 357.50 bo6818 - chloritic, 60% irregular carbonate veining	BO6801	305.50	308.50	0.000
		R: 357.50 360.50 bo6819 - 20% irregular fe-carb. veining	BO6802	308.50	311.50	0.000
		R: 360.50 363.70 bo6820 - contorted fe-carb. vein (ing?) from 362.2 - 363.5	BO6803	311.50	314.50	0.000
			BO6804	314.50	317.50	0.000
			BO6805	317.50	320.50	0.000
			BO6806	320.50	323.50	0.000
			BO6807	323.50	326.50	0.000
			BO6808	326.50	329.50	0.000
			BO6809	329.50	332.50	0.000
			BO6810	332.50	335.00	0.000
			BO6811	335.00	336.50	0.000
			BO6812	336.50	339.50	0.000
			BO6813	339.50	342.50	0.000
			BO6814	342.50	345.50	0.000
			BO6815	345.50	348.50	0.000
			BO6816	348.50	351.50	0.000
			BO6817	351.50	354.50	0.000
			BO6818	354.50	357.50	0.000
			BO6819	357.50	360.50	0.000
			BO6820	360.50	363.70	0.000
363.70	371.60	LAMPROPHYRE, MASSIVE, EQUIGRANULAR, CONTACT UPPER 25° CA, 5% disseminated Biotite, 0.1% fracture coatings of Chlorite, 1% disseminated Pyrrhotite	BO6821	363.70	366.70	0.000
		R: unit equigranular, massive, not carbonaceous or magnetic, contains 1% fine disseminated pyrrhotite. lacks veining. occasional fracture with chlorite, at 30 to 70 degrees unit contains 5-7% biotite. possibly fine grained gabbro.	BO6822	366.70	369.70	0.000
			BO6823	369.70	371.60	0.001
371.60	373.00	ULTRAMAFIC INTRUSIVE, SHEARED, CONTACT UPPER 70° CA, SHEAR 60° CA,, 10% bands of Sericite	BO6824	371.60	373.00	0.001
		R: sheared ultramafic.sericitic bands at contacts (at 70 degrees). barren of sulphides, not carbonaceous or magnetic. weakly talcose. lack of carbonate veining bo6824 - as described for unit				
373.00	380.20	MAFIC INTRUSIVE, MASSIVE, EQUIGRANULAR, CONTACT (IRREGULAR) 45° CA, FRACTURE SET 35° CA,, 1% disseminated Pyrite	BO6825	373.00	376.00	0.001
		R: similar to section from 363.7-371.6 but resembles gabbro	BO6826	376.00	380.20	0.000
380.20	382.00	ULTRAMAFIC INTRUSIVE, INTENSELY FOLIATED, SHEAR 010° CA, SHEAR 30° CA,, 10% fine stringers of Fe	BO6827	380.20	382.00	0.002

From	To	Geology	SAMPLE A001	FROM A001	TO A001	GOLD A001
		Carbonate, trace specks of Pyrite *R: shearing\foliation developed at 10 & 20 degrees possibly trace very fine sulphides (pyrite?), fe carbonate veining sheared to strings and blebs, contacts at 30-40 dgs. sericitic/talcose. not magnetic or carbonatized.*				
382.00	387.30	MAFIC VOLCANIC, SILICIFIED, MASSIVE, CONTACT UPPER 40° CA, 10% patchy Fe Carbonate, 30% fracture filling of Chlorite, 1% disseminated Pyrrhotite, 0.5% disseminated Pyrite, 50% flooded Grey Quartz, 50% flooded Silicification *R: dark green in colour, silicified (~50% flooding), fractured with chlorite infilling fractures and slips (i.e. at 30 degrees). calcite also present (overall <1%) locally in fractures. tremolite, actinolite, and biotite at contacts. 0.5% disseminated pyrite and 1-2% disseminate pyrrhotite. at 387.2 a few yellowish specks too small to identify. chloritic fractures irregular*	BO6828 BO6829	382.00 385.00	385.00 387.30	0.007 0.012
387.30	435.00	ULTRAMAFIC INTRUSIVE, FOLIATION 40° CA, 10% in vein Fe Carbonate *R: 387.30 390.50 initial 3 feet of unit is tremolitic, actinolitic, with 3-5 % biotite. foliation at 40 degrees.* *R: 390.50 390.50 overall greyish green in colour, not carbonatized, generally barren of sulphides, 10% irregular fe-carbonate veins and veinlets. weakly to moderately talcose, serpentinized.* *R: 405.00 406.00 minor hematite staining and chlorite on 15-30 degree fractures. slickensides at 60 degrees to long axis of fracture. locally unit weakly magnetic* *R: 409.00 410.00 1" & 3" fe-carb. veins at 30 degrees* *R: 412.50 413.50 hematite staining on low angle fractures (i.e. 15 degrees), minor pyrite on polished fractures* *R: 426.30 429.30 bo6843 - trace disseminated pyrite* *R: 429.50 430.60 unit is blocky, chloritic. at 429.5 0.5" of clayey fault gouge (at 10 degrees), then very blocky, 0 degree fracture cuts fault gouge* *R: 432.30 435.30 bo6845 - trace pyrite with minor hematite staining on 30 degree fracture.*	BO6830 BO6831 BO6832 BO6833 BO6834 BO6835 BO6836 BO6837 BO6838 BO6839 BO6840 BO6841 BO6842 BO6843 BO6844 BO6845	387.30 390.30 393.30 396.30 399.30 402.30 405.30 408.30 411.30 414.30 417.30 420.30 423.30 426.30 429.30 432.30	390.30 393.30 396.30 399.30 402.30 405.30 408.30 411.30 414.30 417.30 420.30 423.30 426.30 429.30 432.30 435.30	0.001 0.000 0.000 0.000 0.000 0.000 0.001 0.000 0.000 0.001 0.000 0.000 0.000 0.000 0.000 0.000
435.00	488.60	ULTRAMAFIC INTRUSIVE, TALCOSE, FOLIATED, FOLIATION 25° CA, 1% stringers of Fe Carbonate *R: 435.00 490.00 unit sheared at ~25 degrees, locally wispy carbonate parallels shearing, but ocassionally fe carbonate stringer at 40 degrees cross cuts shearing. locally minor pitting in unit. decrease in carbonate veining, unit more talcose.* *R: 435.30 438.30 bo6845 - trace disseminated pyrite* *R: 465.30 465.30 fracture with 0.25" of dolomite , at 55 degrees* *R: 470.10 470.10 open fracture at 80 to 90 degrees with carbonate/dolomite with thin orangey brown limonitic coating, and minor hematite staining* *R: 470.50 472.00 section contains ~1' of very blocky material with minor clayey gouge and minor reddish orange rust staining. barren of sulphides. 2" white to grey fe carbonate vein, brecciated, possibly at 45 degrees.* *R: 475.50 475.50 10 degree fracture with discontinuos pyrite fracture filling up to .1" wide* *R: 476.30 476.30 hairline fracture with red hematite at 45 degrees*	BO6846 BO6847 BO6848 BO6849 BO6850 BO6851 BO6852	435.30 465.00 469.50 470.50 472.00 475.00 488.00	438.30 466.00 470.50 472.00 475.00 477.00 491.00	0.000 0.000 0.000 0.000 0.000 0.000 0.000
488.60	500.00	MAFIC - INTERMEDIATE METAVOLCANICS, CHLORITIC, SERICITIC, FINE GRAINED, BRECCIA , 5% in vein Fe Carbonate, 3% patchy Chlorite, 0.1% fracture coatings of Pyrite, 3% patchy Sericite *R: intermixed mafic brecciated mafic volcanics (locally chloritic and/or sericitic, with trace to minor pyrite)*	BO6853 BO6854 BO6855	491.00 494.00 496.50	494.00 496.50 499.50	0.000 0.000 0.000

From	To	Geology	SAMPLE A001	FROM A001	TO A001	GOLD A001
		and ultramafic intrusives (locally 10-20% fe carbonate stringers/veinlets stretched along shearing at 20 degrees). slickensides on 0 to 10 degree fractures at 60 degrees to long axis of fracture. fractures also at 30-40 degrees. fractures generally polished.	BO6856	499.50	502.50	0.000
		R: 496.00 496.50 fe carbonate vein at 45 degrees				
		R: 496.50 498.80 brecciated mafic volcanics, very chloritic, trace pyrite. fragments subangular to subrounded. wavy fractures at 10- 20 degrees.				
500.00	617.00	ULTRAMAFIC INTRUSIVE, FINE GRAINED, SHEAR 10° CA, 3% wisps of Fe Carbonate	BO6858	504.20	505.20	0.000
		R: overall grey to dark greenish grey in colour. weakly talcose, locally sections weakly to moderately sericitic. shearing variable from 0 to 30 degrees. locally up to 5-7% relict porhyroblasts of altered olivines, up to .1". unit is moderately to strongly magnetic.	BO6857	507.50	509.80	0.000
		R: 504.70 504.70 irregular fracture, at ~60 degrees, with pyrite coating on fracture, plus minor hematite staining.	BO6859	509.80	513.00	0.000
		R: 508.00 508.00 50 degree fracture with pyrite, 0.05" wide, shearing at 10 degrees	BO6860	530.00	533.00	0.000
		R: 509.80 513.00 narrow section of mafic volcanics and intermixed ultramafic intrusive. sheared at 0 -10 degrees. hematite staining on 0-15 degree fractures. contacts parallel shearing	BO6861	541.00	544.00	0.000
		R: 530.00 533.00 bleb and 0.5" fe carbonate vein at 30-35 degrees with minor pyrite. hairline healed chloritic fractures at 30 to 40 degrees, approximately every 2 to 3 inches.	BO6862	544.00	547.00	0.000
		R: 535.00 535.00 porphyroblasts of olivine no longer present.	BO6863	547.00	550.00	0.000
		R: 542.00 546.00 shearing and 10-20% fe carbonate veining (stretched stringers/veinlets) parallel to core axis	BO6864	550.00	553.00	0.000
		R: 547.00 547.00 shearing not as pronounced, and foliation becomes steep to core axis (70-80 degrees).	BO6865	553.00	556.00	0.000
		R: 548.00 549.80 unit (with veining) becomes tightly folded (in center portion less than 0.5" between fold hinges). fold hinges at 25-30 degrees.	BO6866	556.00	559.00	0.000
		R: 550.00 550.00 10 degree fracture with hematite coating. slickensides at 60 degrees to long axis of fracture. unit although strongly to modertely foliated does not appear as sheared but texture suggests later weak brecciation. irregular fractures chloritic and wavy. overall generally closed, and from 0 to 20 degrees. carbonate more blebly versus veining. possibly chloritic fractures cross cut veining, plus with minor displacement become bleb like. unit contain trace to minor pyrite, found on low angle (0- 10 degree) fractures, commonly with hematite	BO6867	559.00	562.00	0.000
			BO6868	562.00	565.00	0.000
			BO6869	565.00	568.00	0.000
			BO6870	568.00	571.00	0.000
			BO6871	571.00	574.00	0.000
			BO6872	574.00	577.00	0.000
			BO6873	577.00	580.00	0.000
			BO6874	580.00	583.00	0.000
			BO6875	583.00	586.00	0.005
			BO6876	586.00	589.00	0.000
		R: 576.00 579.00 0-5 degree fracture with hematite, chlorite, and minor pyrite.	BO6877	589.00	592.00	0.000
		R: 579.00 579.00 foliation and carbonate veining at 45-50 degrees, cross cut by hairline, closed chloritic fractures at 0-5 degrees	BO6878	592.00	595.00	0.000
		R: 581.50 586.50 20% fe carbonate veining, locally up to 50%, commonly irregular due to being cut by chloritic fractures	BO6879	595.00	598.00	0.000
		R: 583.00 584.00 three 20-40 degree fractures, hematite and pyrite coatings	BO6880	598.00	601.00	0.000
		R: 586.00 587.00 thin wedge of mafic volcanic, upper contact chloritic at 35 degrees, lower contact at 60 degrees. barren of sulphides. foliation and thin stringers of fe carbonate (5%) at 35 degrees. weakly sericitic	BO6881	601.00	604.00	0.000
			BO6882	604.00	607.00	0.001
		R: 603.00 603.00 foliation at 10 to 20 degrees.				
		R: 605.00 610.00 foliation flattens to 0-10 degrees, more intense, resembling shearing				
		R: 611.50 611.50 10 degree chloritic, hematite coated fracture				
617.00		** END OF HOLE **				
		RSUM GEOLOG SUMMARY INFORMATION				
		although abundant fe carbonate veining was encountered				
		in the hole, it was devoid of quartz veining.				
		sulphides consisted of generally minor to trace				
		amounts of pyrite and pyrrhotite.				

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: PLACER DOME CANADA
RED LAKE EXPLORATION OFFICE
P.O. BOX 158
BALMERTOWN, ON
P0V 1C0

Project : 147-95
Comments: ATTN: ANTHONY STECHISHEN

Page Number : 1
Total Pages : 2
Certificate Date: 23-APR-97
Invoice No. : I9720328
P.O. Number : 147-95
Account : GKQ

CERTIFICATE OF ANALYSIS A9720328

SAMPLE	PREP CODE		Au g/t FA+AA									
BO6751	1388	226	< 0.005									
BO6752	1388	226	< 0.005									
BO6753	1388	226	< 0.005									
BO6754	1388	226	< 0.005									
BO6755	1388	226	< 0.005									
BO6756	1388	226	< 0.005									
BO6757	1388	226	< 0.005									
BO6758	1388	226	< 0.005									
BO6759	1388	226	0.025									
BO6760	1388	226	< 0.005									
BO6761	1388	226	< 0.005									
BO6762	1388	226	< 0.005									
BO6763	1388	226	< 0.005									
BO6764	1388	226	< 0.005									
BO6765	1388	226	0.010									
BO6766	1388	226	0.015									
BO6767	1388	226	< 0.005									
BO6768	1388	226	< 0.005									
BO6769	1388	226	< 0.005									
BO6770	1388	226	< 0.005									
BO6771	1388	226	< 0.005									
BO6772	1388	226	< 0.005									
BO6773	1388	226	< 0.005									
BO6774	1388	226	< 0.005									
BO6775	1388	226	< 0.005									
BO6776	1388	226	< 0.005									
BO6777	1388	226	< 0.005									
BO6778	1388	226	< 0.005									
BO6779	1388	226	< 0.005									
BO6780	1388	226	< 0.005									
BO6781	1388	226	< 0.005									
BO6782	1388	226	< 0.005									
BO6783	1388	226	< 0.005									
BO6784	1388	226	< 0.005									
BO6785	1388	226	< 0.005									
BO6786	1388	226	< 0.005									
BO6787	1388	226	< 0.005									
BO6788	1388	226	< 0.005									
BO6789	1388	226	< 0.005									
BO6790	1388	226	0.010									

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: PLACER DOME CANADA
RED LAKE EXPLORATION OFFICE
P.O. BOX 158
BALMERTOWN, ON
P0V 1C0

Project : 147-95
Comments: ATTN: ANTHONY STECHISHEN

Page Number :2
Total Pages :2
Certificate Date: 23-APR-97
Invoice No. : I9720328
P.O. Number : 147-95
Account : GKQ

CERTIFICATE OF ANALYSIS A9720328

SAMPLE	PREP CODE	Au g/t FA+AA
BO6791	1388 226	< 0.005
BO6792	1388 226	< 0.005
BO6793	1388 226	< 0.005
BO6794	1388 226	< 0.005
BO6795	1388 226	< 0.005
BO6796	1388 226	< 0.005
BO6797	1388 226	< 0.005
BO6798	1388 226	< 0.005
BO6799	1388 226	< 0.005
BO6800	1388 226	< 0.005
BO6801	1388 226	< 0.005

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: PLACER DOME CANADA
RED LAKE EXPLORATION OFFICE
P.O. BOX 158
BALMERTOWN, ON
P0V 1C0

Project : 147-95
Comments: ATTN: ANTHONY STECHISHEN

Page Number :1
Total Pages :1
Certificate Date: 30-APR-97
Invoice No. :I9721616
P.O. Number :147-95
Account :GKQ

CERTIFICATE OF ANALYSIS A9721616

SAMPLE	PREP CODE	Au g/t FA+AA
BO6802	1388 226	0.015
BO6803	1388 226	0.010
BO6804	1388 226	0.010
BO6805	1388 226	< 0.005
BO6806	1388 226	0.005
BO6807	1388 226	< 0.005
BO6808	1388 226	< 0.005
BO6809	1388 226	< 0.005
BO6810	1388 226	< 0.005
BO6811	1388 226	< 0.005
BO6812	1388 226	< 0.005
BO6813	1388 226	< 0.005
BO6814	1388 226	< 0.005
BO6815	1388 226	< 0.005
BO6816	1388 226	< 0.005
BO6817	1388 226	< 0.005
BO6818	1388 226	0.005
BO6819	1388 226	0.005
BO6820	1388 226	< 0.005
BO6821	1388 226	< 0.005

CERTIFICATION: Adriana Alexandru

147-049

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PLACER DOME CANADA
RED LAKE EXPLORATION OFFICE
P.O. BOX 158
BALMERTOWN, ON
P0V 1C0

Project : 543-95
Comments: ATTN: CLAIRE TONER

Page Number 3
Total Pages 3
Certificate Date 15-MAY-97
Invoice No. I-9723132
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9723132

SAMPLE DESCRIPTION	PREP CODE		Au g/t FA+AA	Au FA g/t
BO6822	205	226	0.005	-----
BO6823	205	226	0.020	-----
BO6824	205	226	0.045	-----

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PLACER DOME CANADA
RED LAKE EXPLORATION OFFICE
P.O. BOX 158
BALMERTOWN, ON
P0V 1C0

Project : 147-95
Comments: ATTN: ANTHONY STECHSHEN

Certificate Date: 14-MAY-97
Invoice No. I-9723131
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9723131

SAMPLE DESCRIPTION	PREP CODE	Au g/t FA+AA
BO6825	1388 226	0.030
BO6826	1388 226	0.010
BO6827	1388 226	0.060
BO6828	1388 226	0.255
BO6829	1388 226	0.420
BO6830	1388 226	0.035
BO6831	1388 226	< 0.005
BO6832	1388 226	< 0.005
BO6833	1388 226	< 0.005
BO6834	1388 226	0.010
BO6835	1388 226	0.015
BO6836	1388 226	0.020
BO6837	1388 226	0.005
BO6838	1388 226	0.010
BO6839	1388 226	0.020
BO6840	1388 226	< 0.005
BO6841	1388 226	< 0.005
BO6842	1388 226	< 0.005
BO6843	1388 226	< 0.005
BO6844	1388 226	< 0.005
BO6845	1388 226	< 0.005
BO6846	1388 226	< 0.005
BO6847	1388 226	< 0.005
BO6848	1388 226	0.010
BO6849	1388 226	0.010
BO6850	1388 226	< 0.005
BO6851	1388 226	< 0.005
BO6852	1388 226	< 0.005
BO6853	1388 226	< 0.005
BO6854	1388 226	0.010
BO6855	1388 226	0.010
BO6856	1388 226	< 0.005
BO6857	1388 226	< 0.005
BO6858	1388 226	< 0.005
BO6859	1388 226	< 0.005
BO6860	1388 226	< 0.005
BO6861	1388 226	< 0.005
BO6862	1388 226	< 0.005
BO6863	1388 226	< 0.005
BO6864	1388 226	< 0.005

CERTIFICATION

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PLACER DOME CANADA
RED LAKE EXPLORATION OFFICE
P.O. BOX 158
BALMERTOWN, ON
P0V 1C0

Project : 147-95
Comments: ATTN: ANTHONY STECHISHEN

Page Number 2
Total Pages 2
Certificate Date 14-MAY-97
Invoice No. I-9723131
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9723131

SAMPLE DESCRIPTION	PREP CODE	Au g/t FA+AA
BO6865	1388 226	< 0.005
BO6866	1388 226	< 0.005
BO6867	1388 226	< 0.005
BO6868	1388 226	< 0.005
BO6869	1388 226	< 0.005
BO6870	1388 226	< 0.005
BO6871	1388 226	< 0.005
BO6872	1388 226	< 0.005
BO6873	1388 226	< 0.005
BO6874	1388 226	0.015
BO6875	1388 226	0.160
BO6876	1388 226	0.005
BO6877	1388 226	0.010
BO6878	1388 226	< 0.005
BO6879	1388 226	0.005
BO6880	1388 226	< 0.005
BO6881	1388 226	0.005
BO6882	1388 226	0.020

CERTIFICATION:

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)
W9720.00118
Assessment Files Research Imaging

Personal information collected on this form is obtained under the authority of the Mining Act. The information will be used to ensure that the provisions of the Mining Act are complied with. Questions about this collection should be directed to the Manager, Mining Lands Section, 933 Ramsey Lake Road, 6th Floor, Sudbury, Ontario, P3E 6B5, Phone (705) 670-7264.

52N04NE0103 2.17311 BATEMAN

900

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
- Please type or print in ink.

2.17311

1. Recorded holder(s) (Attach a list if necessary)

Name	Client Number
Placer Dome (CLA) Limited	300210
Address	**Telephone Number**
Suite 3201, 130 Adelaide Street West	(416) 363-4962
P.O. Box 43, Toronto, ON P0V 1C0	**Fax Number** (416) 359-9787
Name	**Client Number**
Address	**Telephone Number**
	Fax Number

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

☐ Geotechnical: prospecting, surveys, assays and work under section 18 (regs)
☒ Physical: drilling, stripping, trenching and associated assays
☐ Rehabilitation

Work Type	Office Use
Diamond Drilling - 1 hole (617 feet)	Commodity
	Total $ Value of Work Claimed $20,887.00
Dates Work Performed From 01 (Day) 12 (Month) 1996 (Year) To 16 (Day) 05 (Month) 1997 (Year)	NTS Reference
Global Positioning System Data (if available) — Township/Area: Bateman	Mining Division: Red Lake
M or G-Plan Number: G-3741	Resident Geologist District: Red Lake

Please remember to:
- obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name	Telephone Number
N. Morissette: A Division of Boart Longyear Inc	(807) 662-6191
Address	**Fax Number**
P.O. Box 40, Cochenour, ON P0V 1L0	(807) 662-6281
Name	**Telephone Number**
Address	**Fax Number**
Name	**Telephone Number**
Address	**Fax Number**

RECEIVED
RED LAKE MINING DIV.
MAY 22 1997
AM PM

RECEIVED
MAY 26 1997
MINING LANDS BRANCH

4. Certification by Recorded Holder or Agent

I, Stuart W. Deveau (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent	Date
Stuart W. Deveau	May 16, 1997
Telephone Number	**Fax Number**

5. **Work to be recorded and distributed.** Work can only be assigned to claims that are contiguous (adjo the mining land where work was performed, at the time work was performed. A map showing the contiguo must accompany this form. W9730.00118

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.		Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. V to be di at a futu
eg	TB 7827	16 ha	$26, 825	N/A	~~$24,000~~	$
eg	1234567	12	0	$24,000	0	
eg	1234568	2	$ 8, 892	$ 4,000	0	$
1	KRL 563139	1	$20,887	0	$13,588	$7,
2	KRL 1208743	2	0	$3,200	0	
3	KRL 1208998	5	0	$8,000	0	
4	KRL 1209203	2	0	$2,388	0	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
		Column Totals	$20,887	$13,588	$13,588	$7,

1 claim
1 unit

I, Stuart W. Deveau (Print Full Name), do hereby certify that the above work credits are eligib subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for applicati the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing	Date
Stuart W. Deveau	May 16, 1

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to sh you wish to prioritize the deletion of credits:

- [X] 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- [X] 2. Credits are to be cut back starting with the claims listed last, working backwards; o
- [ ] 3. Credits are to be cut back equally over all claims listed in this declaration; or
- [ ] 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

RECEIVED
26 1997
MINING LANDS BRANCH

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
RECEIVED RED LAKE MINING DIV. MAY 22 1997 PM	August 22/97	
	Date Approved	Total Value of Credit Ap
		Mining Recorder (Signature)

Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use): W7730.00118

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

2.17311

Work Type	Units of Work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Drilling	617 feet	$26.141	$16,129
Assays	131 samples	$14.428	$1,890
Geologist	6.5 days	$220.00	$1,430
Technician	5 days	$180.00	$900
Associated Costs (e.g. supplies, mobilization and demobilization).			
	Mob/Demob		$179
	31 Core Trays	$5.85	$181
	13 Bags of Grout	$13.70	$178
Transportation Costs			
Food and Lodging Costs			
	Total Value of Assessment Work		$20,887

RECEIVED
RED LAKE MINING DIV.
MAY 22 1997
AM 7,8,9,10,11,12,1,2,3,4,5,6 PM

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK × 0.50 = Total $ Value of worked claimed.

RECEIVED
MAY 26 1997
MINING LANDS BRANCH

Note:
- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, Stuart W. Deveau (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Agent (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature: _____ Date: _____

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

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

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

July 22, 1997

Scott A. Rivett
Mining Recorder
Ontario Government Building
227 Howey Street, Box 324
Red Lake, ON
P0V 2M0

Dear Sir or Madam:

Submission Number: 2.17311

		Status
Subject: Transaction Number(s):	W9720.00118	Deemed Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

NOTE: This correspondence may affect the status of your mining lands. Please contact the Mining Recorder to determine the available options and the status of your claims.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at jerome_l@torv05.ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,

ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 11098

Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.17311

Date Correspondence Sent: July 22, 1997 **Assessor:** Lucille Jerome

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9720.00118	563139	BATEMAN	Deemed Approval	July 22, 1997

Section:
10 Physical PDRILL

Correspondence to:

Mining Recorder
Red Lake, ON

Resident Geologist
Red Lake, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

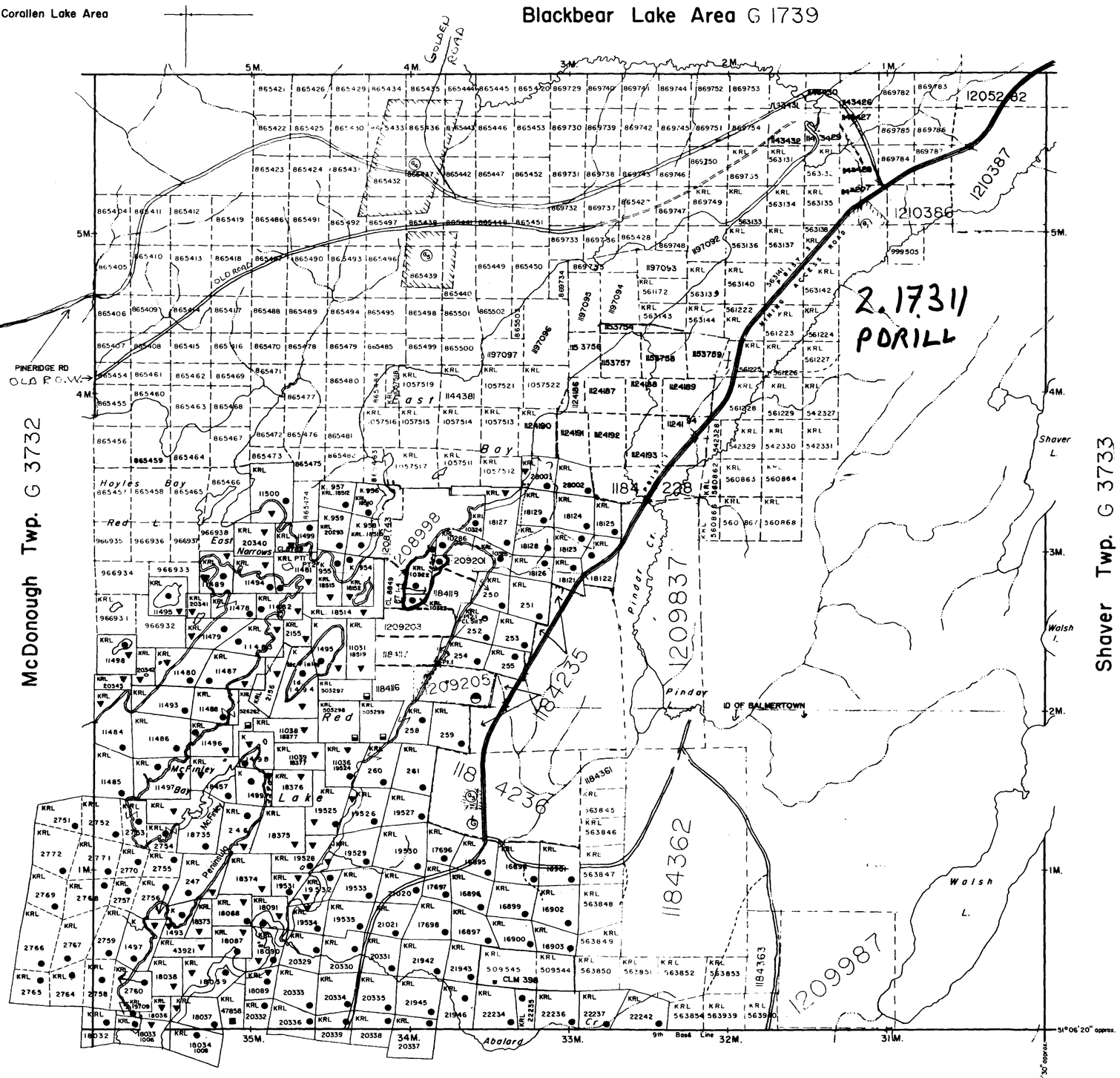
Stuart Deveau
RED LAKE, ONTARIO

PLACER DOME (CLA) LIMITED
TORONTO, ON

Correspondence ID: 11098

Corallen Lake Area

Blackbear Lake Area G 1739



McDonough Twp. G 3732

Shaver Twp. G 3733

Balmer Twp. G 3735

THE TOWNSHIP
OF

BATEMAN

DISTRICT OF
KENORA
PATRICIA PORTION

RED LAKE
MINING DIVISION

SCALE: 1-INCH 40 CHAINS

DISPOSITION OF CROWN LANDS

PATENT, SURFACE AND MINING RIGHTS
" , SURFACE RIGHTS ONLY
" , MINING RIGHTS ONLY
LEASE, SURFACE AND MINING RIGHTS
" , SURFACE RIGHTS ONLY
" , MINING RIGHTS ONLY
LICENCE OF OCCUPATION
ROADS
IMPROVED ROADS
KING'S HIGHWAYS
RAILWAYS
POWER LINES
MARSH OR MUSKEG
MINES
CANCELLED C.

NOTES

400' surface rights reservation along the shores of all lakes and rivers

SAND & GRAVEL

(g1) MTC PIT No. 1E - 13
(g2) MTC PIT No. 1E - 11
(g3) MTC PIT No. 1E - 12
(G) QUARRY PERMIT
(g4) MNR GRAVEL RESERVE 1E 10
(g5) MNR GRAVEL RESERVE 1E 11

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

PLAN NO. G-3741

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

FOREST ACTIVITY INFORMATION
THIS TOWNSHIP/AREA FALLS WITHIN THE

AND MAY BE SUBJECT TO FORESTRY OPERATIONS
THE M.N.R. UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT
P.O. BOX 5003

[redacted]

3741
2.17311
BATEMAN TWP.
G-3741
200
S2NOAMED103 2.17311 BATEMAN

869749

869748

1197092

EAST BAY
OF
RED LAKE

1197093

563139

561172

563143

147-049

90'

600'

9600N

9200N

8800N

8400N

8000N

7600N

7200N

6800N

6400N

6000N

5600N

5200N

4800N

OE

N

0 200' 400' 800' 1200'
feet

Witness Post

Claim Post

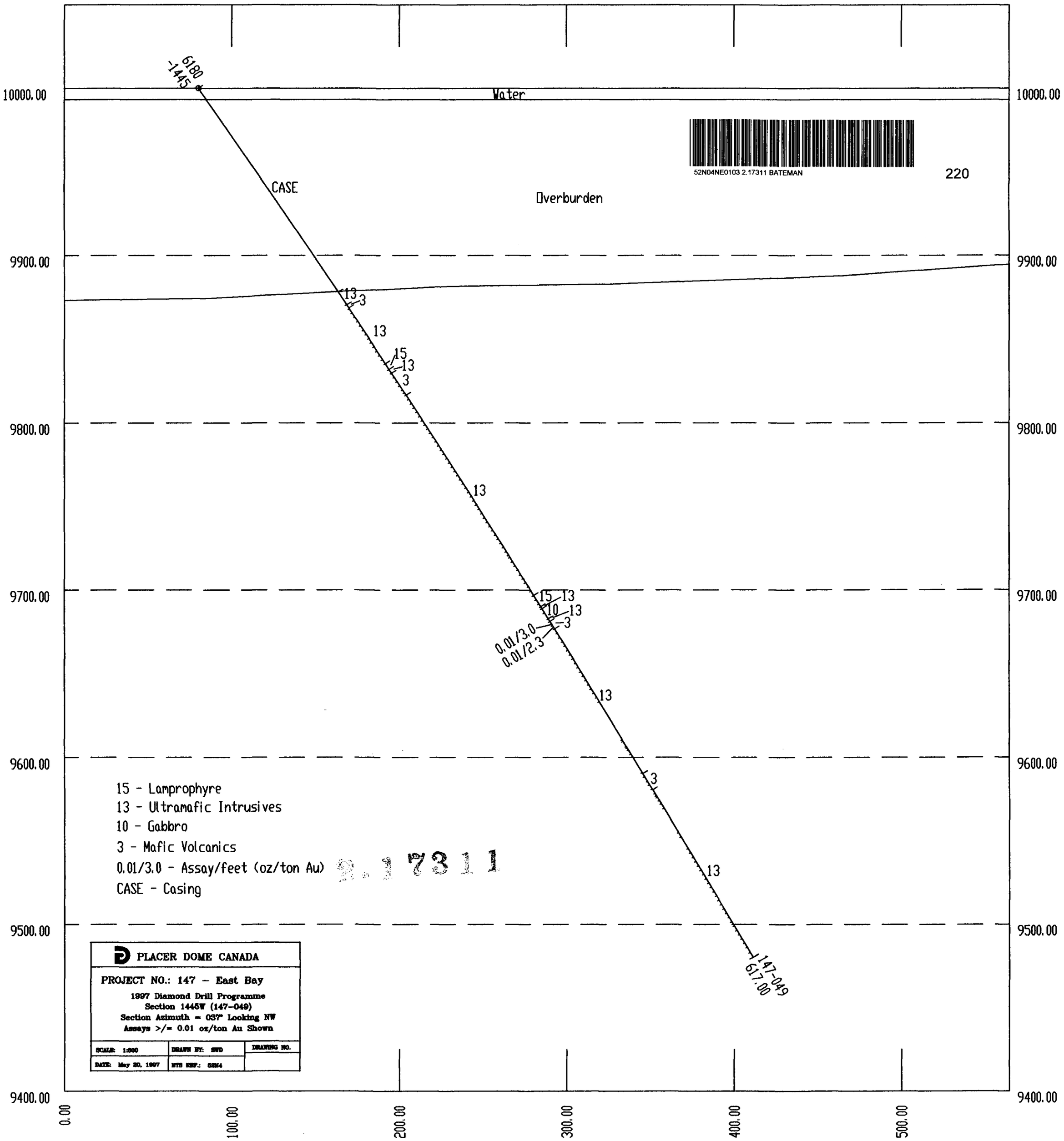
Drillhole Trace

PLACER DOME CANADA

Project 147
East Bay
1997 Diamond Drilling
Location Map

May 14, 97	dwg by kas
Scale: 1:4800	eb.dwg

210


6180
-1445
Water
10000.00
9900.00
9800.00
9700.00
9600.00
9500.00
9400.00
CASE
Overburden
52N04NE0103 2.17311 BATEMAN
220
13
3
13
15
13
3
13
15
13
10
13
3
0.01/3.0
0.01/2.3
13
3
13
147-049
617.00
0.00
100.00
200.00
300.00
400.00
500.00
15 - Lamprophyre
13 - Ultramafic Intrusives
10 - Gabbro
3 - Mafic Volcanics
0.01/3.0 - Assay/feet (oz/ton Au)
CASE - Casing
2.17311
PLACER DOME CANADA
PROJECT NO.: 147 - East Bay
1997 Diamond Drill Programme
Section 1445W (147-049)
Section Azimuth = 037° Looking NW
Assays >/= 0.01 oz/ton Au Shown
SCALE: 1:600
DRAWN BY: SWD
DRAWING NO.
DATE: May 20, 1997
NTS REF.: 52N4