

DIAMOND DRILL LOG TW04-06

Hole Location: On Metric Grid L15+55E, 26+00N  
UTM NAD 27 Zone 17 473701.55 East; 5363023.41 North

Drill Hole length: 299.00 Metres

Overburden: 22Metres at -55°

Drill Hole Azimuth: 360°

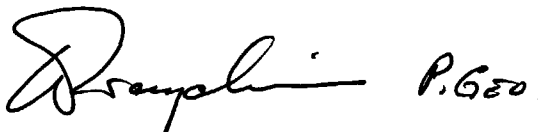
Drill Hole Dip: -55°

Core Size: NQ

Claims DDH Drilled On: P8061 (252 Metres)  
P3004028 (47 Metres)

Dates Drilled: July 9<sup>th</sup> to July 12<sup>th</sup> 2004-10-04

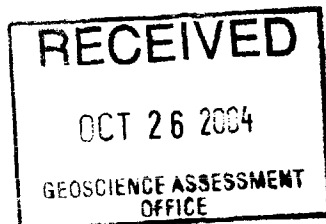
Dates Logged: July 22<sup>nd</sup> 2004-10-04

Logged By: William Waychison 

Location With Respect To Post: 185 metres East and 196 Metres North to Post # 1 of Claim P8061

Storage: Core stored at Porcupine Joint Venture Owl Creek Core Farm, Timmins Ontario

Drilling By: Bradley Brothers  
Highway 101 West  
P.O. Box 485  
Timmins, Ontario  
P4N 7E7  
(705) 268-1456



2. 2864 1



# Porcupine Joint Venture

Hole #	Easting	Northing	Elevation	Length	Date	Test	Core Size	Logged By	U/S	Casing Pulled?	Cemented?	Target	Location \ Comments:
TW04-06	473701.55	5363023.41	284.73	299	22-Jul-2004	EZ Shot	NQ	BWaychison	S	N	Y	mafic vol/porphy ct	

DISTANCE	AZIMUTH	DIP	REMARKS
0.00	360	-55	
32.00	359.1	-54.7	
83.00	358.1	-55.4	
134.00	359.3	-55.8	
185.00	0.3	-56.6	
236.00	2.6	-57.3	
299.00	7.2	-57.1	

DDH COMMENTS REMARKS	Start Date	End Date
logged by WW; WR: E355093= 32.9-33m; WR: E355094= 67.1-67.2m; WR: E355095= 112.0-112.1m; E355096= 200.25-200.35;	09-Jul-2004	12-Jul-2004

 P. Geo.

FROM	TO	ROCK-TYPE	C.A.	RQD	REMARKS	FROM	TO	WIDTH	SAMPLE #	QC?	AU G/T	% QTZ	% QS	% Py	% Po	% Asp	Remarks
0.00	22.00	CAS,OB			Casing: overburden	94.50	95.50	1.00	E312492	Y	0.005		2				
22.00	44.10	FZ,UM2,PS,SFX,CL,TC			dk grn-blk, fg, gen magnetic, str cl & mod-str tc, num cl'tic bxd gouge fault sec's esp (15x) @24-24.8m w/ 10x thereafter, relic ps & loc sfx as@24.2 & 40-42m; wk cnt fol often following ps w/ cbinfil'g, fol 55; WR: E355093= 32.9-33m	95.50	96.20	0.70	E312493	Y	0.01	90					
						96.20	97.30	1.10	E312494	Y	0.009		3				
						97.30	98.00	0.70	E312495	Y	0.067		30	0.4			
						98.00	99.00	1.00	E312496	Y	0.014		35	0.4			w& gy qz
44.10	48.80	UM2,PS,TC,CL			dkgy blk, fg, magnetic, str tc & mod cl, min irr w ca-cb str, ps, wk fol50ca	99.00	100.50	1.50	E312498	Y	0.02		12	0.4			
						100.50	102.00	1.50	E312499	Y	0.025		25	0.4			
48.80	51.50	FZ,UM2,TC,CL			dk gy-blk, fg, magnetic, str tc & mod cl, brkn/ grnd core w/ gouge, wk fol 55ca	102.00	103.50	1.50	E312500	Y	0.013		30	0.4			
						103.50	104.80	1.30	E312601	Y	0.051		20	0.4			
51.50	63.10	UM2,SFX,TC,CL			dk gy-blk, fg, magnetic, str tc & mod cl, loc sfx as @ 54.-54.5, 62.5m, wk fol 45ca@62.3m	104.80	106.35	1.55	E312602	Y	0.013		45	0.3			suggy w qz
						106.35	107.50	1.15	E312603	Y	0.005		40	0.3			vuggy wqz
63.10	65.00	FZ,UM2,BX,TC,TC			brkn/grnd core w/ min fault gouge, approx 5-% recover, str tc mod cl altn, wk-negli fol	107.50	108.20	0.70	E312604	Y	0.015		15	0.3			
						108.20	109.20	1.00	E312605	Y	0.022		50	0.4			
65.00	70.00	FP12,FZ,POR,CL			l pink gy, mg, crackle bxd w/ cl infil'g to crushed w/ FP frags in dk grn-blk cl'tic grnd, 0.5-1% diss py, min wqz str, WR: E355094= 67.1-67.2m;lct @ shallow ang & aprx 15ca	109.20	110.20	1.00	E312607	Y	0.005						5cm ch fault gouge & a altn mafic dyke
						117.05	117.50	0.45	E312608	Y	0.028						
70.00	77.40	MP7,CL			dk gy-blk, mg, msv, Magnetic, 1-2mm l-med grn euh felds phenos w/ loc resorbed edges often forming glomerophenos, non fol,	117.50	117.70	0.20	E312609	Y	0.016	100					cl walls & min ribbons within vn
						117.70	119.00	1.30	E312610	Y	0.016		2.5	0.7			
						119.00	120.00	1.00	E312611	Y	0.049		12	0.7			
						120.00	121.00	1.00	E312613	Y	0.038		2	0.5			

FROM	TO	ROCK-TYPE	C.A.	RQD	REMARKS	FROM	TO	WIDTH	SAMPLE #	QC?	AU G/T	% QTZ	% QS	% Py	% Po	% Aspy	Remarks
77.40	90.20	FP12,FP12,POR,CL			light pink-gy, mg, FP occas cut by sim lighter colored short sec FPas @80.85-80.95, 82.3-82.75, 85.5-85.9m, has 2 felds w & pink, crackle bxd w/ cl infil'g & bxd w/ FP frags in a dk gy cl'tic grnd, negli fol, neg py, tr cpy along cl frac @78.2m	121.00	122.00	1.00	E312614	Y	0.062		0.5	0.4			
						130.00	131.10	1.10	E312615	Y	0.037		7	0.3			
						131.10	132.60	1.50	E312616	Y	0.028		10	0.7			
						132.60	134.00	1.40	E312618	Y	0.02						
90.20	93.10	MP7,CL			dk gy-blk, mg, msv, magnetic Diabase as @70-77.4m, felds show resorbed edges & often form glomerophenos, non fol, qz-ak str @ lct	145.50	146.50	1.00	E312619	Y	0.008						
						146.50	147.70	1.20	E312620	Y	0.049			1			
						147.70	149.05	1.35	E312621	N	0.055			1			
93.10	95.30	MP,M,CL,AK			dk grn-gy, f-mg, mod cl & mod perv ak (stained), non-magnetic, msv & non fol	149.05	150.05	1.00	E312622	N	0.012						
95.30	96.20	QV,M			white qz - beige ak (stained) vein, upct apprx 30ca, min cl along frac subpar ca, negli py	177.10	178.50	1.40	E312623	N	0.093		15	0.7			
						178.50	179.00	0.50	E312624	N	0.383		9	3			
96.20	97.30	MP,M,CL,AK			as 93.1-95.3m, non-magnetic, mod perv ak & cl, blocky/brkn core, min wq-ak str infil'g irr ang frags, non- fol	179.00	180.20	1.20	E312625	N	0.423		12	5			
						180.20	180.70	0.50	E312627	N	0.117		25	1			
						180.70	181.50	0.80	E312628	N	0.037	100					
97.30	109.20	FP12,FZ,CL			as 65-70m, non-magnetic, l pink gy, mg, crackle bxd w/ cl infil'g to crushed w/ FP frags in dk grn-blk cl'tic grnd, also frac'd & infi'd w/ white qz vn'g & w/ qz vn'g containing FP frags, tr py, loc wq vn'g is vuggy, non fol,	181.50	183.00	1.50	E312629	N	0.031	100					
						183.00	183.80	0.80	E312630	N	0.187	100					num UM frags w/ str
						183.80	184.25	0.45	E312631	N	0.115	100					
109.20	117.50	MP,M,AK			med gy, f-mg, non-magnetic, mod perv ak (stained) altn, msv non-fol; WR: E355095= 112.0-112.1m	184.25	184.80	0.55	E312632	N	0.042		20				
						184.80	185.80	1.00	E312633	N	0.065		32				
117.50	117.70	QV,QV			wq-beige ak (staned) vein, ch margins & min ribbon texture, negli py	185.80	187.20	1.40	E312634	N	1.097		25	2.5			
						187.20	188.20	1.00	E312636	N	0.272		18	0.5			
117.70	132.60	FP12,CL,HE			l pink gy, min fg qz phenos but gen less than 0.5mm & 1/4 size of feld phenos, wk cl altn esp along frags, wk perv he altn esp towards lower ct where all med pink, msv non-fol, tr-0.5% py	188.20	189.70	1.50	E312637	N	0.217		15	0.3			
						189.70	190.50	0.80	E312638	N	0.16		6	0.7			
						190.50	191.50	1.00	E312640	N	0.049		10	0.5			
132.60	136.10	MP,M,CL,AK			dk grn-gy, f-mg, non-magnetic, mod cl & wk-mod perv ak (stained), msv & non-fol	191.50	192.50	1.00	E312641	Y	0.061		6	3.5			
						192.50	193.10	0.60	E312643	Y	0.123		8	5			
136.10	143.00	FP12			as above 117.7-132.6m, wk cl altn esp along frags, wk perv he altn & along/near select frags, overall crackle bxd w/ min cl bx w/ rx frags, non-magnetic, 05-1% fg diss py, non fol, lct bxd	193.10	194.10	1.00	E312644	Y	0.005		8	2.5			
						194.10	195.50	1.40	E312645	Y	0.017		7	1			
						195.50	196.40	0.90	E312646	Y	0.029		15	0.5			
						196.40	197.60	1.20	E312647	Y	0.005		16	2.5			
						197.60	198.50	0.90	E312649	Y	0.012		3	1			

FROM	TO	ROCK-TYPE	C.A.	RQD	REMARKS	FROM	TO	WIDTH	SAMPLE #	QC?	AU G/T	% QTZ	% QS	% Py	% Po	% Aspy	Remarks
143.00	146.50	FZ,MP,BX,CL,AK			dk grn-gy, f-mg, non-magnetic, blocky w/ 65% recovery & fault gouge bx cemented by cl'tic rx flour @145m, mod cl & wk-mod perv ak (stained), msv & non-fo	198.50	200.00	1.50	E312650	Y	0.072		6	4			
						200.00	201.00	1.00	E312651	Y	0.046		7	3.5			
						201.00	202.20	1.20	E312652	Y	0.075		5	2.5			
146.50	149.05	FZ,FP12,HE,CL			pink, mod-str he FP, wk cl altn w/ cl & cl'tic rx flour infil'g fracs & bxd FP, core brkn/bky, non-fo	202.20	203.20	1.00	E312653	Y	0.031		4	0.5			
						203.20	204.50	1.30	E312654	Y	0.006		7	0.7			
149.05	156.70	MP7,M,CL			dk gy-blk, f-mg, msv, 0.5-1mm altd med grn felds laths forming gabbroic/diabasic text, min cl altn w/ cl along fracs & occas cb str infil'g fracs, magnetic other than upper 1.5m, non-fo	204.50	205.50	1.00	E312655	Y	0.005		7	0.4			
						205.50	206.20	0.70	E312656	Y	0.005		3.5	0.3			
						206.20	206.50	0.30	E312657	Y	0.005	100					
156.70	157.50	UM2,PS,CL			dk grn-blk, fg, magnetic, wk ps's, mod cl & ak, brkn core, wk to non fol	206.50	208.00	1.50	E312658	Y	0.01		12	0.3			
						208.00	209.65	1.65	E312660	Y	0.005	100					
157.50	158.60	MP7,HE			as 149-156.7, dk gy-blk, f-mg, magnetic, brkn core, non-fo	209.65	211.00	1.35	E312661	Y	0.051		22	0.5			
						211.00	212.00	1.00	E312662	Y	0.017		8	0.3			
158.60	170.00	UM2,SFX,CL,AK			dk grn-blk, fg, mod-str cl & ak (stained), wk tc altn, num ak-cb serp cnt str, loc sfx as @163.7, @165, @166.5m, msv & non-fo	224.50	225.80	1.30	E312663	Y	0.145		12	0.8			
						225.80	226.80	1.00	E312664	Y	0.082		15	0.5			
170.00	180.70	FZ,UM2,SFX,CL,AK			dk grn-gy, str cl & mod-str ak (stained) altn, wk tc, num highly cnt ak-cb str/knots & wqz-cb str, cl'tic fault gouge w/ crushed rx @ 177m, fault @20ca, wk-mod fol, tr-2% py, relic sfx @178.1m	226.80	228.05	1.25	E312665	Y	0.016	100					bx w/ rx frags & sty
						228.05	229.00	0.95	E312667	Y	0.247		6	1.5			
						229.00	230.10	1.10	E312668	Y	0.026		12	2.5			
180.70	184.25	QV,BX			white qz vein w/ min cb, bx vein w/ cl'tic rx frags & smears, negli py, non-fo	230.10	231.00	0.90	E312669	Y	0.04		3	1.5			
						231.00	232.00	1.00	E312670	Y	0.237		10	3			
184.25	191.50	FZ,UM2,CL,AK			dk grn-gy, str cl & mod-str ak (stained) altn, wk tc, num highly cnt ak-cb str/knots & wqz-cb str, mod-str fol but very cnt & not measureable, tr-2% py	232.00	232.80	0.80	E312671	Y	0.1		10	2			
						232.80	233.80	1.00	E312672	Y	0.011		6	0.4			
						233.80	234.80	1.00	E312673	Y	0.033		10	0.2			
191.50	194.10	FP10,UM2,SE,AK			med taupe gy, fg, non-magnetic, mod sr & wk-mod ak altn, min wq-ak str, fg diss py 1-5%, min cl'tic UM2 frag/sec between 193.1-193.5m	234.80	235.80	1.00	E312674	Y	0.023		18	0.4			
						235.80	236.80	1.00	E312675	Y	0.015		9	0.5			
194.10	196.70	UM2,FP12,CL,CL			dk-med grn gy, fg, num irr ang ak-cb str, min wq-ak str, non-magnetic, tr-1% py, wk fol 60ca, min FP @ 194.6-194.8m;	236.80	238.30	1.50	E312677	Y	0.016		18	0.5			
						238.30	239.35	1.05	E312679	Y	0.025		18	0.4			
						243.50	245.00	1.50	E312680	Y	0.1		8	0.4			
196.70	203.20	FP11,UM,SE,CL			med gy, mg, QFP w/ visib qz phenos, mod-str se & wk ak altn, occas small frags of UM2 or short sec's of UM2, wk-negli fol, py 1-4%; WR: E355096= 200.25-200.35;	245.00	245.60	0.60	E312681	Y	0.302		8	0.4			
						245.60	246.05	0.45	E312682	Y	0.074	100		0.4			bx w/ frags of wall rx min sty

FROM	TO	ROCK-TYPE	C.A.	RQD	REMARKS	FROM	TO	WIDTH	SAMPLE #	QC?	AU G/T	% QTZ	% QS	% Py	% Po	% Aspy	Remarks
203.20	206.20	UM2,M,AK,SE			med taupe gy with minor grn, f-mg, xaline cb, wk perv fu, mod perv ak & se, min wqak str, wk-negli fol, tr py	246.05	247.50	1.45	E312683	Y	0.409		22	0.5			
						247.50	249.00	1.50	E312685	Y	0.018		8	0.4			
206.20	206.50	QV			w qz ak-cb vein, irr cts, w/ min rx frags, negli py,	254.70	255.90	1.20	E312686	Y	0.016		6	0.3			
206.50	208.00	UM2,M,SE,AK			med beige gy, mod se, msv w/ num wq-cb str, tr py, wk-negli fol	255.90	257.10	1.20	E312687	Y	0.029		6	0.3			
						257.10	258.00	0.90	E312688	Y	0.108		5	3			apprx 20% UM as 3 fra
208.00	209.65	QV,BX			w qz-cb vein, num, bxd w/ sev rx frags & sty, tr py	258.00	259.00	1.00	E312689	Y	0.55		9	5			
209.65	214.75	UM2,SFX,FU,AK			l-med grn, mod perv fu & wk-mod ak (stained) altn, num wq-cb str dev pseudo bxd texture, clear sfx @213.35m, tr py, wk fol 75ca@210.9m	259.00	260.00	1.00	E312690	Y	0.254		26	2			
						260.00	260.80	0.80	E312692	Y	0.443		10	4			
						260.80	261.90	1.10	E312693	Y	0.013		5	0.5			
214.75	215.60	FP12,M,SE,SE			l grn-gy, gritty, f-mg, msv w/ min wq-cb str, .5-1% diss fg py, wk-negli fol	261.90	262.80	0.90	E312694	Y	0.158		12	5			
215.60	217.90	UM2,FU,AK			l-med grn, as 209.65-214.75m, mod perv fu & wk-mod ak (stained) altn, num wq-cb str dev pseudo bxd texture, tr py, wk-mod fol 60-70ca	262.80	264.00	1.20	E312695	Y	0.091		3	0.3			
						264.00	265.10	1.10	E312696	Y	0.011		1	0.3			
						265.10	266.55	1.45	E312697	Y	0.208		15	3			
217.90	219.40	FP12,SE,AK			l taupe gy, f-mg, mod se, min wq-cb str, tr py, wk fol 80ca@219.1M	266.55	267.90	1.35	E312699	Y	0.06		12	0.7			
219.40	221.70	UM2,FP,FU,AK			l-med grn, as 209.65-214.75m, mod perv fu & wk-mod ak (stained) altn, num wq-cb str, tr py, msv w/ wk fol-mod altn apprx 65ca@220.7m, short sec FP w/ wk fu altn & fewer wq-cb str @220.35-220.55m	267.90	279.00	11.10	E312700	Y	0.021		12	0.4			
221.70	226.80	FZ,UM2,FU,AK			as above but more mod-str fol w/ cnt fol apprx 65-80ca, l-med grn, mod perv fu & mod ak, 0.5-1% py, num thin wq-cb str,												
226.80	228.05	QV,BX			w qz-cb vein, bx w/ min rx frags, negli py												
228.05	232.80	FP10,FRAG,SE,AK			l taupe gy, f-mg, min sml frags of fu UM2 gen 1x3mm but 20x40mm @lct, 1-5% fg py, min wq-ak (stained) str, msv w/ wk-negli fol												
232.80	235.85	UM2,BX,SFX,FU,AK			med grn, f-mg, mod-str fu & ak altn, num irr wq-cb str devel'g pseudo bx appearance, tr py, min relic sfx @233.8m, trans lower ct, wk-negli fol												
235.85	239.35	UM2,BX,SE,AK			med taupe gy, f-mg, mod-str se & mod-str ak (stained) altn, tr py, num irr ak (stained) str devel'g pseudo bx appearance, wk-negli fol												

FROM	TO	ROCK-TYPE	C.A.	RQD	REMARKS	FROM	TO	WIDTH	SAMPLE #	QC?	AU G/T	% QTZ	% QS	% Py	% Po	% Aspy	Remarks
239.35	242.70	UM2,M,FU,AK			med gr, mg w/ xaln cb's, mod-str perv fu & ak altn, min wqa-ak str, msv w/ negli fol, tr py												
242.70	245.60	UM2,M,SE,AK			l taupe gy, mg w/ xaln cb's, mod se & ak altn, loc wk fu altn, min wqz-ak str, tr py, msv w/ wk fol,												
245.60	246.05	QV,BX			w qz-cb vein w/ irr cts & frags of wall rx, min sty, tr py												
246.05	257.10	IM2,FP10,M,SFX,SE,C			med dk brown gy, mg w/ xaln cbs & loc cb porphyroblasts, mod ak altn, mod se & cl altn, min wqz-ak loc conc & devel'g pseudo bxd appearance, tr py, loc relic sfx @ 255.1m, wk fol, Felsite dyke w/ 0.5% py @ 255.9-265.25												
257.10	260.80	FP10,BL,AK			l taupe colored, fg, wk bleaching & sulfidization w/ 1-5% fg diss euh py, wk ak altn, min wq-ak-cb str, wk-negli fol, min frags/blocks of UM2 as 246.05-257.1m w/in upper 1m;												
260.80	261.90	UM2,PS,CL,CB			med-dk grn gy, fg, ps, mod-str cl & wk-mod cb, non-magnetic, wk-negli fol												
261.90	262.80	FP10,BL,AK			as 257.1-260.8m;l taupe colored w/ 5% py, num wqz cb str, wk-negli fol,												
262.80	265.10	UM2,PS,CL,TC			dk grn blk, fg, non-magnetic, ps, num qz-cb-serp frags/str, 1% py, wk fol but cnt fol												
265.10	266.55	FP10,BL,AK			as 257.1-260.8, py 3%, num (15%) w qz str, negli fol												
266.55	282.80	UM2,CL,TC			dk gy-blk, fg, only loc magnetic, str cl & wk-mod tc altn, loc irr num wqz-cb-serp str highlighting fol, py tr-1%, gen mod fol 35ca@272.2m; short fault gouge @268.3m, @282.8m,												
282.80	299.00	UM2,PS,TC,CL			dk gy-blk, fg, magnetic, ps w/ cb-serp irr str often w/ +/- ch highlighting ps, wk fol also often following ps, loc blocky, min short gouge fault/slips w/ striae surfaces, wk fol 50ca; EOH@299m												

## QC REPORT

QC code	Sample No	Au gpt	Original # / Grade	QC TYPE	Acquire Code
E312497		0.01	E312496 0.014	DUPLICATE	FD
E312606		0.01	E312605 0.022	DUPLICATE	FD

FROM	TO	ROCK-TYPE	C.A.	RQD	REMARKS	FROM	TO	WIDTH	SAMPLE #	QC?	AU G/T	% QTZ	% QS	% Py	% Po	% Aspy	Remarks
2002	E312612	0.01			BLANK	STD											
1012	E312617	2.54			STANDARD	STD											
2002	E312626	0.01			BLANK	STD											
	E312635	1.14	E312634	1.097	DUPLICATE	FD											
1005	E312639	15.82			STANDARD	STD											
2002	E312642	0.01			BLANK	STD											
	E312648	0.01	E312647	0.005	DUPLICATE	FD											
1012	E312659	2.50			STANDARD	STD											
	E312666	0.01	E312665	0.016	DUPLICATE	FD											
1012	E312676	2.50			STANDARD	STD											
2002	E312678	0.01			BLANK	STD											
	E312684	0.32	E312683	0.409	DUPLICATE	FD											
2002	E312691	0.01			BLANK	STD											
1012	E312698	2.42			STANDARD	STD											

*Dayton P.GEO.*

## ROCK CODE LEGEND for TW04-06

CAS, OB	Casing, Overburden
FP10	Felsite Dyke
FP11	Quartz-Feldspar Porphyry
FP12	Feldspar Porphyry
FZ	Fault Zone
MP	Mafic Intrusive Rocks
MP7	Diabase
QV	Quartz Vein
UM2	Peridotitic Komatiite



## TEXT ABBREVIATIONS FOR TW04-06

altn	alteration	irr	irregular
ang	angle	lct	lower contact
approx	approximately	loc	locally
blk	black	med	medium
brkn	broken	mg	medium grain
bxd	brecciated	min	mineral
ca-cb	calcium carbonate	min	minor
ca-cb	core axis	mod	moderate
ca-cb	core axis	msv	massive
cbinfl'g	carbonate infilling	negli	negligible
cl	chlorite	num	number
cl'tic	chloritic	occas	occasionally
cnt	count	perv	pervasive
conc	concentration	phenos	phenocrysts
cts	contacts	ps	polysutured
dev	developed	rx	rock
devel'g	developing	sec's	sections
diss	disseminated	serp	serpentine
dk	dark	sev	several
dkgy	dark grey	sim	similar
esp	especially	sml	small
felds	feldspar	str	strong
fg	fine grained	str	stringer
f-mg	fine to medium grained	subpar	subparallel
fol	foliation	tc	talc chlorite
FP	feldspar porphyry	text	texture
fracs	fractures	upct	upper contact
frags	fragments	visib	visible
gen	generally	vn'g	veining
grn	green	w	with
grn	green	wk	weak
grnd	groundmass	wk	weak
gy	grey	wqz	white quartz
he	hematite	xaline	crystalline
infi'd	in filled		

**ABBREVIATIONS FOR TW04-06**

<b>Textural Fields</b>	<b>Structural Fields</b>	<b>Alteration Fields</b>	<b>Veining Fields</b>	<b>Mineral Fields</b>
AMY Amygdaloidal	BD Bedded	AB Albitization	AB Albite	AB Albite
BLD Bladed	BND Banded	AM Amphibolization	AK Ankerite	AC Actinolite
BX Breccia	BKY Blocky	AK Ankertization	CA Calcite	AG Silver
COB Cobble	BOU Boudinaged	BI Biotization	CB Carbonate	AH Anhyrite
CST Clast	BX Breccia	BL Bleached	EP Epidote	AK Ankerite
FBX Flow Breccia	BXD Brecciated	C Carbonaceous	HE Hematite	AS Arsenopyrite
FELD Feldspathic	CT Contact	CA Calcification	MT Magnetite	AU Gold
FRAG Fragmental	CNT Contorted	CB Carbonatization	PY Pyrite	BA Barite
GLOM Glomerophytic	CRN Crenulated	CL Chloritization	QZ Quartz	BI Biotite
HTRO Heterolithic	DSC Disc	DO Dolomitization	TO Tourmaline	CA Calcite
HYAL Hyaloclastite	FD Fold	EP Epidotization	AB-CB Albite-Carbonate	CL Chlorite
LAP Lapilli	FL Flow	FU Fuchsite	AK-QZ Ankerite-Quartz	CP Chalcopyrite
LITH Lithic	FLT Fault	GZ Grey Zone	(includes Dome grey ankerite vein)	CR Chromite
M Massive	FOL Foliation	(carbonaceous alteration zone)	QZ-AK Quartz-Ankerite	DO Dolomite
MX Matrix-supported	FRA Fracture	HE Hematization	QZ-CA Quartz-Calcite	EP Epidote
PIL Pillowed	G Gouge	K Potassic	QZ-CB Quartz-Carbonate	FU Fuchsite
PBX Pillow Breccia	JNT Joint	KA Kaolinitization	QZ-FU Quartz-Fuchsite	GA Galena
PEB Pebble	LAM Laminated	LX Leucoxene	QZ-TO Quartz-Tourmaline	GF Graphite
POR Porphyritic	LN Lineation	MG Magnesite	<b>Percent Code</b>	GT Garnet
PM Polymictic	SHR Shear	SE Sericitization	<b>Veining Texture Fields</b>	HE Hematite
PRB Porphyroblastic	SLK Slickenside	SI Silicification	BX Breccia Vein	IL Ilmenite
PS Polysutured	SLP Slip	SR Serpentinization	GQ Grey Quartz	JP Jasper
QTE Quartzose	VUG Vuggy	TC Talcose	MV Massive Vein	LM Limonite
SCH Schistose	<b>Other Fields</b>	TO Tourmalinization	RB Ribboned Vein	MC Malachite
SFX Spinifex	AZ Alteration Zone	<b>Alteration Intensity Code</b>	STR Stringers	MN Manganese Oxides
SPH Spherulitic	FG Fine Grained	W Weak	SHT Sheeted Vein	MO Molybdenite
TUF Tuffaceous	MG Medium Grained	M Moderate	STW Stockwork	MT Magnetite
UNS Unsubdivided	CG Coarse Grained	S Strong	STY Styloitic Vein	MU Muscovite/Hydromuscovite
VAR Variolitic	DISS Disseminated	<b>Colour Fields</b>	SHV Shear vein	OL Olivine
VES Vesicular	FMG Fine-Medium Grained	BK Black	TNV Tension vein	PO Pyrrhotite
<b>Pyroclastics/Epiclastics</b>	FCG Fine-Coarse Grained	BL Blue	WQ White Quartz	PY Pyrite
AGG Agglomerate >64mm	INT Intermediate	BR Brown		QZ Quartz
TBX Tuff Breccia >64mm	LOC,L Locally (Local) Eg Lmag	GN Green		SB Stibnite
LAPT Lapilli Tuff >4mm	MAG Magnetic	GY Grey		SD Siderite
CRYT Crystal Tuff 1/16-2mm	MOD Moderate	GNGY Green/Grey		SE Sericite
CAT Coarse Ash Tuff <1/16mm-2mm	PV Pervasive	OLGN Olive Green		SH Scheelite
FAT Fine Ash Tuff <1/16mm	RBL Rubble	OR Orange		SP Sphalerite
PYRO Pyroclastics	SM Semi-Massive	PK Pink		TC Talc
PYRO Pyroclastics	ST Strong	RED Red		TO Tourmaline
	VST Very Strong	TAN Tan		TR Tremolite
	WK Weak	WH White		VG Sible gold noted (historical)
				VG1 ce (1or 2 pin prick specks)
				VG2 bit (3-10 pin prick specks)
				VG3 + pin prick specks or equivalent)

## Work Report Summary

Transaction No: W0460.01652 Status: APPROVED  
 Recording Date: 2004-OCT-22 Work Done from: 2004-JUL-09  
 Approval Date: 2004-OCT-27 to: 2004-JUL-12

**Client(s):**

130666 KINROSS GOLD CORPORATION  
 300210 PLACER DOME (CLA) LIMITED/PLACER DOME (CLA) LIMITEE

**Survey Type(s):**

ASSAY PDRILL

**Work Report Details:**

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
G 6060131	\$15,812	\$15,812	\$0	\$0	\$1,600	1,600	\$14,212	\$14,212	
P 1180855	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2007-MAR-25
P 3001492	\$0	\$0	\$800	\$800	\$0	0	\$0	\$0	2006-DEC-10
P 3004028	\$2,949	\$2,949	\$1,600	\$1,600	\$0	0	\$1,349	\$1,349	2006-OCT-23
	\$18,761	\$18,761	\$3,200	\$3,200	\$1,600	\$1,600	\$15,561	\$15,561	

External Credits: \$0

**Reserve:**

\$15,561 Reserve of Work Report#: W0460.01652

\$15,561 Total Remaining

Status of claim is based on information currently on record.



42A06NW2047 2.28641 OGDEN

Date: 2004-OCT-27

GEOSCIENCE ASSESSMENT OFFICE  
933 RAMSEY LAKE ROAD, 6th FLOOR  
SUDBURY, ONTARIO  
P3E 6B5

PLACER DOME (CLA) LIMITED/PLACER DOME  
(CLA) LIMITEE  
130 ADELAIDE STREET WEST  
P.O. BOX 43, SUITE 3201  
TORONTO, ONTARIO  
M5H 3P5 CANADA

Tel: (888) 415-9845  
Fax: (877) 670-1555

**Submission Number:** 2.28641  
**Transaction Number(s):** W0460.01652

Dear Sir or Madam

**Subject: Approval of Assessment Work**

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at [steve.beneteau@ndm.gov.on.ca](mailto:steve.beneteau@ndm.gov.on.ca) or by phone at (705) 670-5855.

Yours Sincerely,



Ron C. Gashinski  
Senior Manager, Mining Lands Section

**Cc:** Resident Geologist

Kinross Gold Corporation  
(Claim Holder)

Placer Dome (Cla) Limited/Placer Dome (Cla)  
Limitee  
(Assessment Office)

Assessment File Library

Placer Dome (Cla) Limited/Placer Dome (Cla)  
Limitee  
(Claim Holder)

Christine M. Saari  
(Agent)

Date / Time of Issue: Mon Nov 08 16:32:08 EST 2004

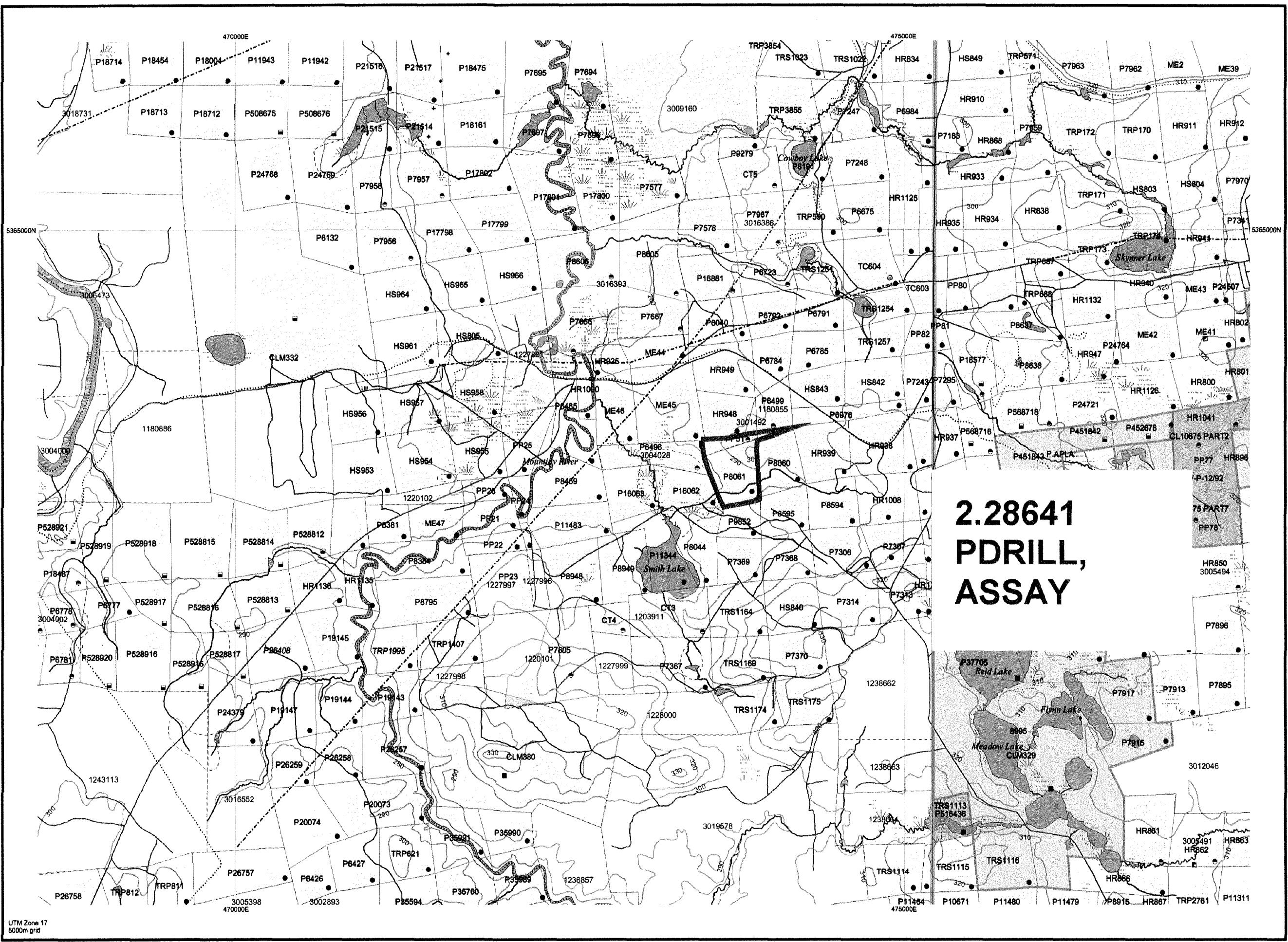
TOWNSHIP / AREA  
OGDEN

PLAN  
G-3979

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division  
Land Titles/Registry Division  
Ministry of Natural Resources District

Porcupine  
COCHRANE  
TIMMINS

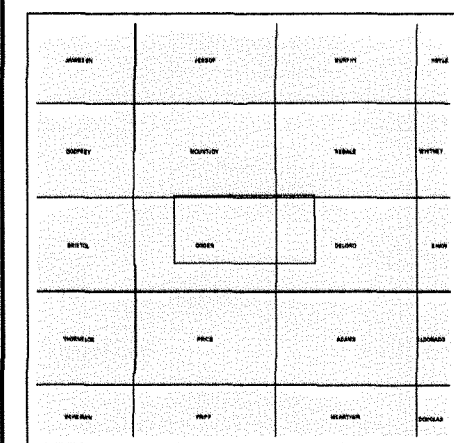


TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shafts
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

Land Tenure

- Freehold Patent**
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Leasehold Patent**
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Licence of Occupation**
  - Uses Not Specified
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
  - Land Use Permit
  - Order In Council (Not open for staking)
  - Water Power Lease Agreement

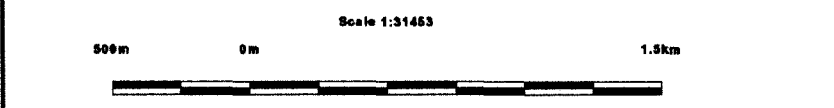


- Mining Claim
- Filled Only Mining Claims

LAND TENURE WITHDRAWALS

- Areas Withdrawn from Disposition
- Mining Acts Withdrawal Types**
  - Surface And Mining Rights Withdrawn
  - Surface Rights Only Withdrawn
  - Mining Rights Only Withdrawn
- Order In Council Withdrawal Types**
  - Surface And Mining Rights Withdrawn
  - Surface Rights Only Withdrawn
  - Mining Rights Only Withdrawn

IMPORTANT NOTICES



LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
8995	Ws	May 19, 1966	Mining Claims Shown within this area are subject to the Rights and Privileges granted to Delnite Mines Ltd. under an Easement order dated May 19, 1966.
P.APLA	Wsm	Aug 12, 2003	Pending application under the Public Acts, Surface Rights Only
W-P-12/92	Ws	Feb 24, 1992	W-P-12/92 NR Feb. 24, 1992 S.R.O. (Application under the Public Act for a Waste Disposal Site)

UTM Zone 17  
5000m grid

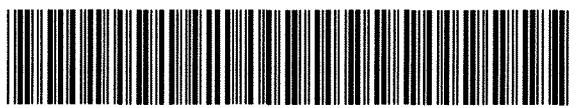
Ministry of Northern Development and Mines for additional information purposes as the information may also be obtained through the Ministry of Natural Resources.

General Information and Limitations  
Contact Information:  
Provincial Mining Recorders' Office  
Wilket Green Miller Centre 933 Ramsey Lake Road  
Sudbury ON P3E 6B5  
Home Page: [www.mndm.gov.on.ca/MNDM/MINES/LANDS/mlmnpge.htm](http://www.mndm.gov.on.ca/MNDM/MINES/LANDS/mlmnpge.htm)

Toll Free  
Tel: 1 (888) 415-9845 ext 5777  
Fax: 1 (877) 670-1444

Map Datum: NAD 83  
Projection: UTM (8 degree)  
Topographic Data Source: Land Information Ontario  
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.





2.2864 1

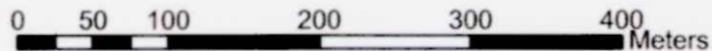
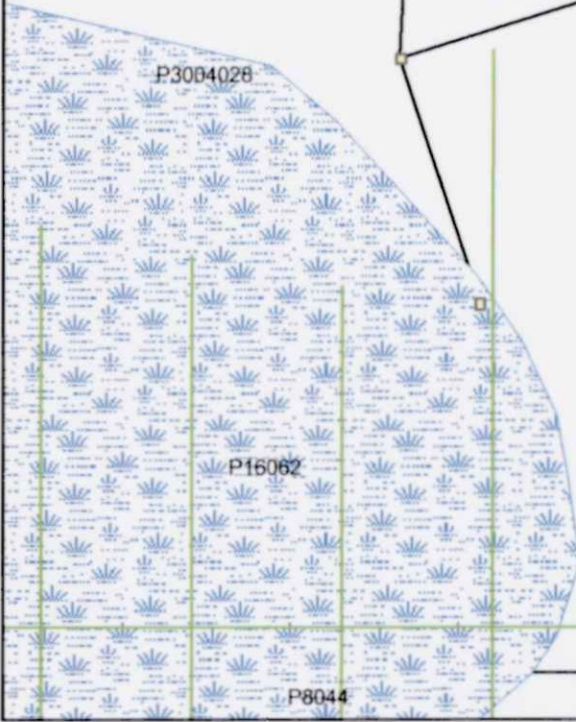
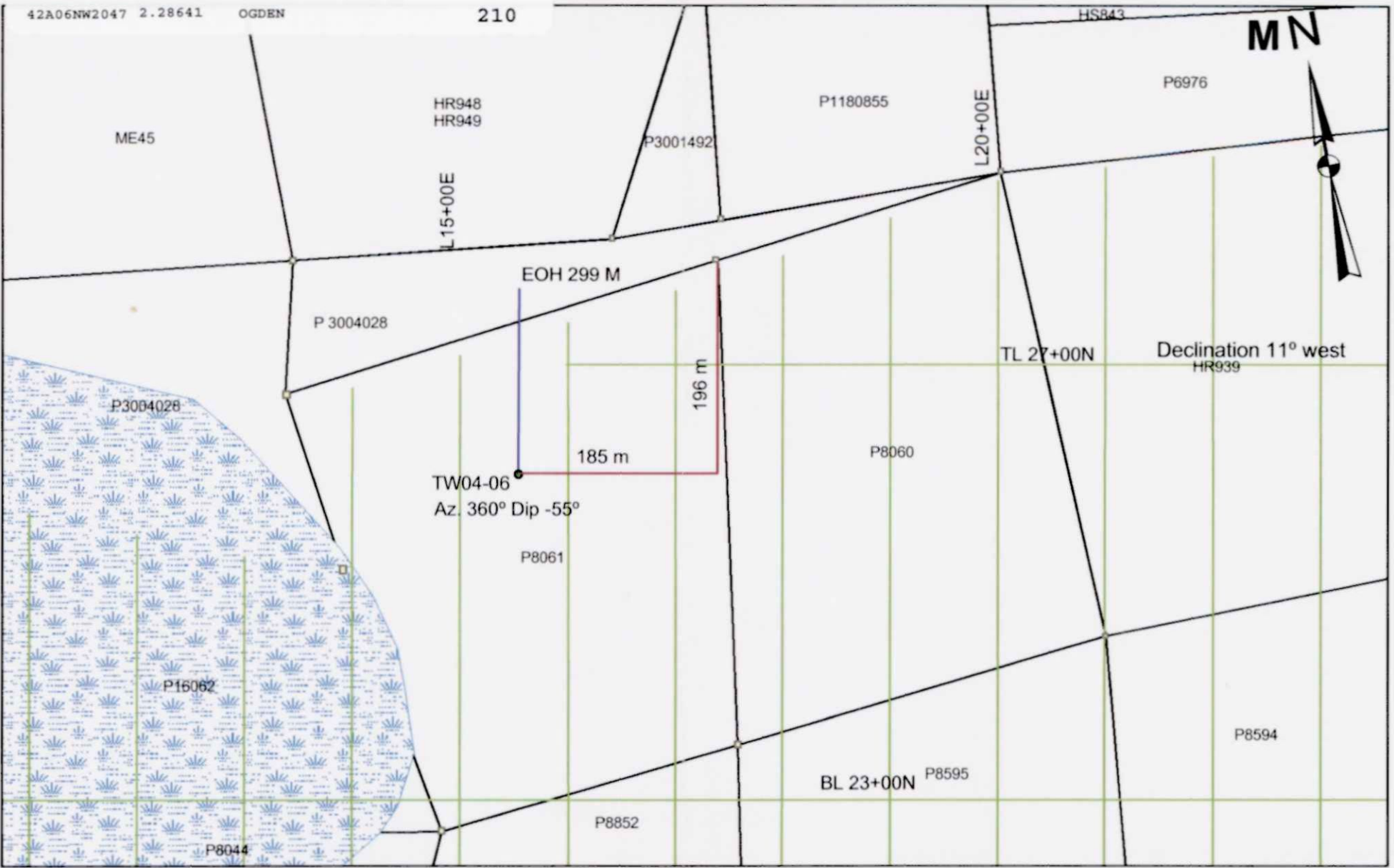
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OGDEN

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HS843

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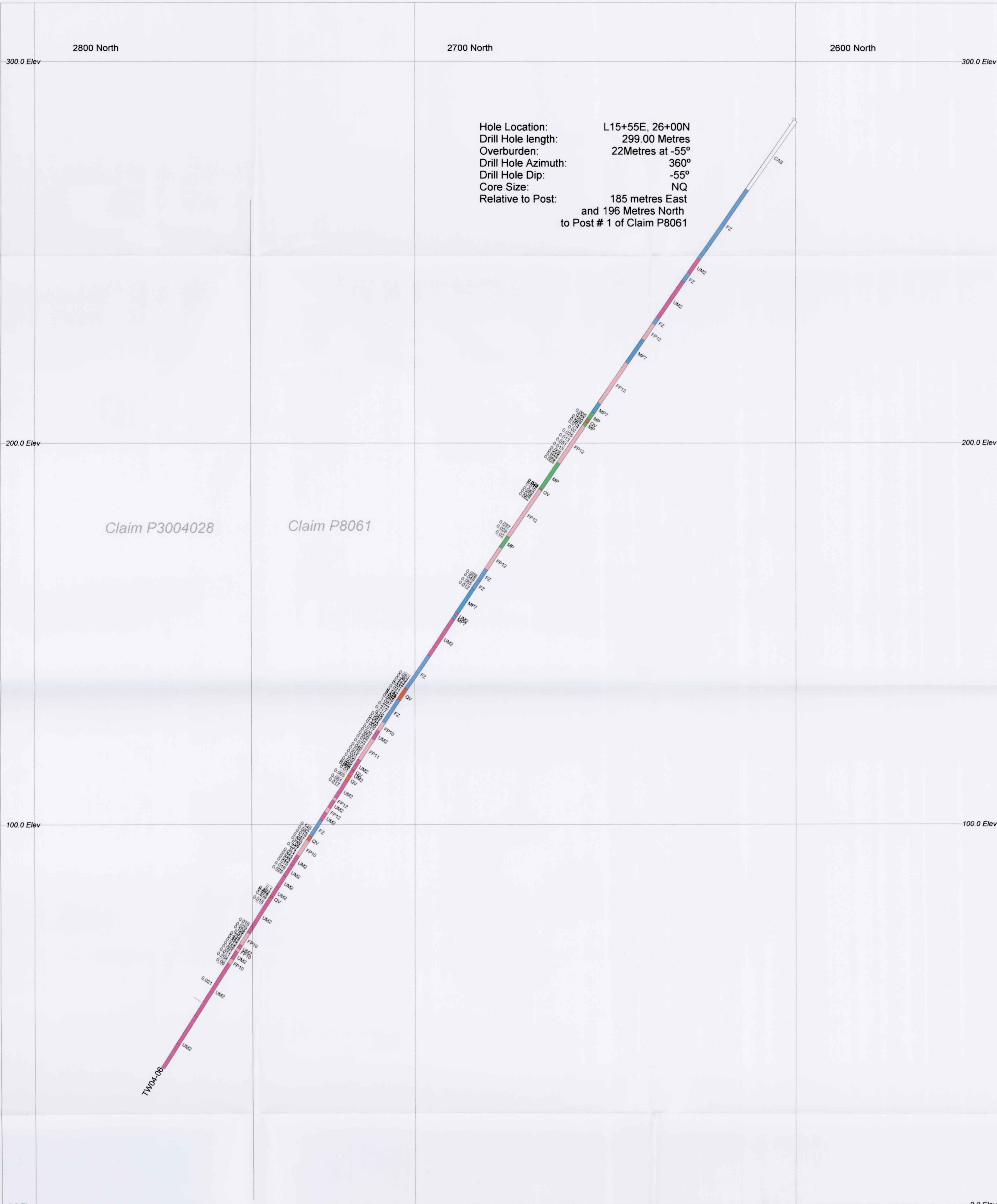


### Placer Dome (CLA) Limited

Generated By: P. Brown
Date: Sept: 30th, 2004
Scale: 5 000
Location: Timmins, ON

Porcupine Joint Venture  
 Timmins West Project  
 Location Map TW04-06





Hole Location: L15+55E, 26+00N  
 Drill Hole length: 299.00 Metres  
 Overburden: 22Metres at -55°  
 Drill Hole Azimuth: 360°  
 Drill Hole Dip: -55°  
 Core Size: NQ  
 Relative to Post: 185 metres East  
 and 196 Metres North  
 to Post # 1 of Claim P8061

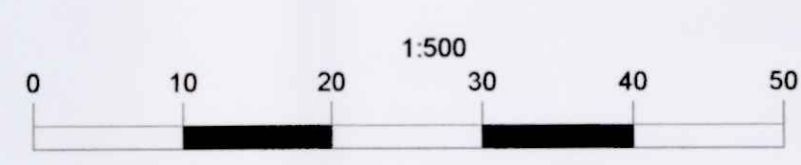
Claim P3004028

Claim P8061

TW04-06

**PJV LEGEND**

CAS, OB	Casing, Overburden
FP10	Felsite Dyke
FP11	Quartz-Feldspar Porphyry
FP12	Feldspar Porphyry
FZ	Fault Zone
MP	Mafic Intrusive Rocks
MP7	Diabase
QV	Quartz Vein
UM2	Peridotitic Komatiite



<b>Porcupine Joint Venture</b>		
NAYBOB \ KERR PROJECT, Section 15+55 East, Looking East		
Scale 1:500	Date: 06/10/04	Section Width: 50

