

DRILL HOLE LOG

Hole: MCH 07-04 Zone: BW
 Northing: 7208.214 Easting: 372744 Elevation: -
 Drilling Dates: JULY 26-27/07 Logged by: M.P. PHILLIPS
 Length: 130.15 m Core Size: BTW Casing: 7.62 (m) in/out

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Visual Log			From	To	Interval	Unit	Alteration and Mineralization														From	To	Interval	Sample	
V	S	(m)	(m)	(m)	(m)		GL	SL	SM	PY	LI		CA			FR	BD	ZN	(m)	(m)	(m)	Number			
			0.0	6.25	6.25	CASN	-	-	-	-	-		-			-	-	-							
			± 1.25m LMSN - red drilled rock																						
			6.25	8.23	1.98	LIMS		0	0	0	0	<T		<3			L	-	0						
			LS - vlt. qtz, calc. lt qtz patches to lat; Ca - frs blk to 10mm; Li - fr.																						
			8.23	11.28	3.05	LIMS		0	0	0	0	<T		<2			0	3	5	0					
			LS mottled med lt qtz dominant with blebs small patch lt qtz; Ca - frs blebs																						
			11.28	12.52	1.24	LIMS	X	0	0	0	0	<W		<1			L	7	0	0	11.28	12.52	1.24	G086901	
			LS - as above grades into mostly lt qtz - in places lm - vth in bd; fr - wk Li looks in part insitu boxwork; btm cnt start stronger Li fr.																						
			12.52	14.33	1.81	LIMS	X	<?				0	<W		<L			M	B	0	0	12.52	14.33	1.81	902
			LS - lt qtz, calc to lat blebs small patches med lt grey; fr - stk + 25° - 35° occ. cavities at fr junctions, light coating Li - transported & insitu expy, possible gl?																						
			14.33	17.37	3.04	LIMS	X	0	0	<W	0	<S		<W			S	-	0	0	14.33	17.37	3.04	903	
			LS - mottled med lt qtz & minor med qtz - mostly discolored by oxidation; fr - stk + 20° - 50°; strong insitu Li, weak speckling SM; alt. bands ~ 50cm wide stronger & weaker fr;																						
			17.37	18.47	1.10	LIMS		0	0	<W	0	<S		<W			S	-	0	0	17.37	18.47	1.10	G086904	
			LS - lt qtz discolored by oxidation; fr - xl lined calc; strong Li coating cavities & weak speckling SM; btm 30cm fr - W to M; fr - + 15° - 40°																						

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Casing:

(m) in/out

Depth:

Dip:

Azim:

Visual Log			From	To	Interval	Unit	Alteration and Mineralization																From	To	Interval	Sample
V	S	(m)	(m)	(m)	(m)		GL	SL	SM	PY	LI		CA			FR	BD	ZN	(m)	(m)	(m)	Number				
			18.47	19.66	1.19	LIMS	X	0	0	<L	0	<W	<4			0	60	0	18.47	19.66	1.19	G086905				
LS - med qz, to med lt qz to lt qz; Cu - vt 1-5 mm;																										
			19.66	20.42	0.76	LIMS	X	0	0	<L	0	<W	<4			M	-	0	19.66	20.42	0.76	906				
LS mottled light qz & med lt qz; fr - minor Li. cavities most dry fr with light Li & weak - low speckling of sm;																										
			20.42	22.95	2.53	LIMS	X	0	0	<L	0	<W	<2			M	-	0	20.42	22.95	2.53	907				
LS - mottled, lt qz; fr - med at top 1c to 5 towards 6tm, strongest fr. stk +15° - 15° minor bx weak - fair li, low speckling sm; 21.05 - 21.25 - fr zone - centric. 70° shr - ft weak.																										
			22.95	23.47	0.52	LIMS	X	0	0	0	0	<L	<7			L	-	0	22.95	23.47	0.52	G086908				
LS - mottled, light qz & med lt qz; fr - stk wk, +15° - 40°;																										
			23.47	26.52	3.05	LIMS	X	0	0	0	0	<L	<7			L	-	0								
LS - med light gray & lt qz, mottled; tke bd																										
			26.52	29.57	3.05	LIMS	X	0	0	0	0	<L	<5			L	60	0								
LS - as above, 30cm band Lm - v thin; Li - looks mostly tpt;																										
			29.57	32.61	3.04	LIMS	X	0	0	0	0	<L	<3			L	60	0								
LS - as above, Lm - v thin - 20cm, most then - med bd; Li - rare bx most tpt;																										

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Visual Log			From	To	Interval	Unit	Alteration and Mineralization																From	To	Interval	Sample
V	S	(m)	(m)	(m)	(m)		GL	SL	SM	PY	LI		CA			FR	BD	ZN	(m)	(m)	(m)	Number				
			32.61	35.66	3.05	LIMS	X	0	0	0	0	<T		<3			W70	0								
			LS - lt gy & med ltgy mottled & thin-med bd; below 33.55 shf covt < 1mm pale orange to white st to bd; av 50°, a few fr with tr Li have some orientation;																							
			35.66	36.90	1.24	LIMS	X	0	0	0	0	<T		<3			W	-	0							
			CHER						2																	
			LS - med gy & med dkgy mottled blks & small patches; CH blebs to 1cm; near btm cnt 65° 15mm crushed rock - ft.																							
			36.90	38.71	1.81	LSFR		0	0	0	0	<W		<1			X	-	0							
			37.25	37.35	0.10	FAUL											X									
			trans cnt, tan colored - weathered; < 1cm bdf; Lt; Cart < 1mm; fr - shf 45° to wk stk + 45° ± 10°																							
			38.71	39.63	0.92	FAUL	X	0	0	0	0	<T		0			X	-	0							
			LWSCH						X																	
			38.71-39.0-dk gray chert & sandst Ls - highly fra in plants br, let sharp 15°; 39.0-39.63-br - highly br. av 1-2mm clests chert in lscy. der br to btm cnt;																							
			39.63	41.76	2.13	LIMS	X	0	0	0	0	<L		<9			W45	0								
			LS - mottled ltgy & med lt gray; Cart to 5mm stk; at top 20cm band M-S fr 35° appears rt to bd; LI - most Ph; LS - med-med tk bd.																							
			41.76	44.81	3.05	LIMS	X	0	0	0	0	<L		<7			L60	0								
			LS - lt gy to med-gy, mottled; Lm to med bd; Covt 1-5mm, stk.																							
			44.81	47.85	3.04	LIMS	X	0	0	0	0	<L		<7			W70	0								
			LS - mottled ltgy to medgy; Cbyt - < 5mm stk, cut by < 1mm shf occ stk cart - fr 50°; 2x 20 ± 35° to 5mm shr-br; LI - occ insitu, most tpt.																							

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Visual Log			Alteration and Mineralization																From	To	Interval	Sample	
V	S	(m)	(m)	(m)	(m)	Unit		AL	SL	SM	PY	LI		CA			FR	BD	ZN	(m)	(m)	(m)	Number
			47.85	50.90	3.05	LIMS	X	0	0	0	0	< T		# 10			L	-					
LS - mottled, med qtz & brown ltqz; Ca-br matrix, blebs vt, vt ~ 0.5 mm. 30-45° appear to cut older material, blebs vt;																							
			50.90	53.95	3.05	LIMS	X	0	0	0	0	< L		# 10			L	60	0				
CHER 2																							
LS - mottled, med ltqz & ltqz; CH - matrix filling?; Ca-br matrix, vtol cm & 0.5 mm shd vt ~ 30° li br + less cat L.																							
			53.95	57.00	3.05	LIMS	99	0	0	0	0	< L		# 5			M	-	0				
CHER 1																							
LS as above; fr - 20°-30° ± ca & wk li in places. fr - strong to br; Li tpt; ; fr - wk but abundant;																							
			57.00	60.05	3.05	LIMS	X	0	0	0	0	< W		# 10			W	-	0				
30°																							
LS - mottled ltqz & med ltqz; Ca-br matrix, blebs vt 0.5-5mm; fr - 30° icr. Li?																							
			60.05	63.09	3.04	LIMS	X	0	0	0	0	< L		# 10			W	-	0				
25°																							
LS - as above; Ca-br matrix, vt 1-5mm; near top irregular 70cm band bc-br on 35°(?) fr;																							
			63.09	66.14	3.05	LIMS	X	0	0	< T	0	< W		< 7			M	45	0	63.09	66.14	3.05	4086909
50°																							
LS - as above; below 63.9 icr fr, often Li coated cavities, ore fr - sm & strong li; fr - very wk irregular non planar (qash fr);																							
			66.14	66.60	0.46	LIMS	X	0	0	0	0	< W		< 7			W	-	0	66.14	66.60	0.46	910

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Core Size:

Casing: (m) in/out

(m) in/out

Depth:

Dip:

Azim:

Visual Log			From	To	Interval	Unit	Alteration and Mineralization															From	To	Interval	Sample
V	S	(m)	(m)	(m)	(m)		CL	SL	SM	PY	LI	CA		FR	BD	ZN	(m)	(m)	(m)	Number					
			66.60	67.85	1.25	LIMS X											66.60	67.85	1.25	G086911					
			LS - yellow gy(oxd); fr-S but irregular, sth ~ +30° +75° cavities common & Li lined cavities - 20mm x 10mm max, Li boxwork on fr & cavities; sm - very fine & low amount;																						
			67.85	69.14	1.29	LIMS X											67.85	69.14	1.29	912					
			68.8	69.14	0.34																				
			LS - yel gy(oxd); fr-shd 60° to sth +60° +30°, wk-cavities, below 68.8 fr. weaken; overall wk Li on fr & fair weak boxwork; 5cm section large cavities, xl lined & boxwork Li, one fr 3mm filling Li;																						
			69.14	70.35	1.21	LIMS X											69.14	70.35	1.21	913					
			LS - ltgy & med ltgy patches yel gy; fr - v wk sth +75° - 25° occ cavities - bx Li & sm; 6cm ent frn;																						
			70.35	72.24	1.89	LIMS X											70.35	72.24	1.89	914					
			LS - yel gy & med lt gray; Ch - ~ shd 1-3mm; 71.0 - flt br - +10° 2cm wide; fr - 60°; fair cavities bx Li & weak sm, largest cavities at fr/jct;																						
			72.24	73.25	1.01	LIMS X											72.24	73.25	1.01	915					
			LS - yel gy patches orange; 72.24 - +10° 72cm br-bc cavity, bx Li lined fr + 10° - 60° weaken towards bottom, fair cavities - minor boxwork & low sm, often on cavt, xl lined & fair Li																						
			73.25	74.00	0.75	LIMS AS											73.25	74.00	0.75	916					
						CHRT JS																			
			LS - yel gy(oxd) grading into med lt gy, ch-block;																						
			74.00	75.29	1.29	LIMS X											74.00	75.29	1.29	917					
			74.29	74.44	0.15	FAUK																			
			LS yel gy(oxd); 74.29 - 15cm flt br-crushed ex matrix, 1-5mm clasts, fr - 15° & +60° sth = ; fair-mod cavities coated in situ Li bx flt br - none min/2 - Li & sm;																						

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Nothing:

Easting:

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(m) in/out

Depth:

Dip:

Azim:

Visual Log			From	To	Interval	Unit	Alteration and Mineralization															From	To	Interval	Sample			
V	S	(m)	(m)	(m)	(m)		G	L	S	M	P	Y	L	I		C	A		F	R	B	D	Z	N	(m)	(m)	(m)	Number
			75.29	76.28	0.94	LIMS X																			75.29	76.23	0.94	G086918
LS - med lt gray yelgy (old) patches; fr - 25°s + 25°(W) ± 60°(F), weak to btm cnt; stk, fair cavities, Li coated, with low sm; Ca - vt to 5mm;																												
			76.23	76.90	0.67	LIMS X																			76.23	76.90	0.67	919
LS - med lt gray & med dk gray mottled; fr - 5cm band - fr. strong boxwork filled Li & fair cavities Li coated;																												
			76.90	78.33	1.43	LIMS 90																			76.90	78.33	1.43	920
CHER 10																												
LS - light gray mottled, cryelgy to btm cnt; fr - W shd 15° below 77.90 m. become strong 10° fr shd - stk; below 77.90 strong cavities - boxwork, Li common, weak sm.																												
			78.33	81.38	3.05	LIMS X																			78.33	81.38	3.05	921
LS - med gray, weak lt gray mottling - look change - start dolomitization 2 still LS stronger in ca vt; br matrix & stk der. to bottom; fr + 10° strongest. ± 60° stk; fr. common but wk structures; fr - tight mostly thin coating Li;																												
best Li in 20-30cm wide bands - - cavities in Ca-vn - x lined by more often coating of boxwork Li & occ. boxwork filling, these weak to btm cnt.																												
			81.38	83.50	2.12	LIMS X																			81.38	83.50	2.12	922
LS - lt gy to med dk gray - non mottled; Ca - vt, blebs, br matrix to 1cm; often vuggy, fr - density M but vwk, no cavities, + 10° to 40° stk; vwk coating Li & trace sm, Ca vt vugs - x li coated, mostly boxwork li & wk sm.																												
			83.50	84.43	0.93	LIMS X																			83.50	84.43	0.93	G086923
LS as above; to 84.25m fr S grading in br. (last supported) at btm cnt flt br 5mm wide 15° with clay matrix; fr & br cavities, boxwork coated, Li wk sm.																												

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Depth:

Dip:

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V	S	(m)	(m)	(m)	(m)		GW	SL	SH	PY	LI	CA	CB	FR	BD	ZN	(m)	(m)	(m)	Number				
			84.43	87.48	3.05	LIMS	97	0	0	KW	0	KF	K20	KP	M	60	0	84.43	87.48	3.05	G086924			
						CHEK	3																	
						LS - med yellowy & yel brn (oolitic fine grained); CH - black - black; Ca - vt to my & bi matrix, often white core & rim pale orange ca - part do?; fr +15° & 70° stk - very wk, no cavities occ boxwork li & coating li; occ vug cav - cavity																		
						heavy boxwork li;																		
			87.48	90.53	3.05	LIMS	X	0	0	0	0	KL	K15	KP	M	50	0	87.48	90.53	3.05	925			
						LS - med lt gy & med dk gy, often oolitic fine grained; Ca - as above; fr - M but very wk, light coating li, Cb - no cavities but minor dis li ex ss?																		
			90.53	92.30	1.77	LIMS	X	0	0	0	0	KL	K15	KP	L	60	0	90.53	92.30	1.77	926			
															K									
						LS - oolitic, med gy, dk gy, lim occ present; Ca - vt, my, blks, bi matrix, occ pale orange rim - dominated with ca; fr - L +10° to 70°, & wk, insitu li, btm cont section fr;																		
			92.30	93.57	1.27	LIMS	X	0	0	KT		KW	K10	KP	A	60	0	92.30	93.57	1.27	927			
						LS - yel gy (bsd); fr - dec to btm, +15° & 40° irreg, wk, insitu li, trace sm. weak vugs; Ca - in part do; LS - oolitic;																		
			93.57	95.75	2.18	FAUL		0	0	D?		PM	0	0	0	-	0	93.57	95.75	2.18	928			
						FAUL - lt brn, sheared & oxd to a ca-cy mixture, 50-60°(?) 95.20 - 95.25 crumbly - main break? Michelle vein fault?																		
			95.75	96.62	0.87	LIMS	X	0	0	0	KL	LP	?		X	-	0	95.75	96.62	0.87	929			
						LS - orange gy; fr - intense micro fr, ± 50°																		

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V	S	(m)	(m)	(m)	(m)		GL	SL	SM	PY	LI		CA	CB		FR	BD	ZN	(m)	(m)	(m)				Number	
			96.62	97.25	0.63	LIMS	X	0	0	0	0	K.M.	<5	?		S	-	0	96.62	97.25	0.63	G086930				
			LS - orange qtz (ord); fr - +70° ± 15°, wk. bx & mod. tpt Li																							
			97.25	99.67	2.42	LIMS	X	0	0	0	0	K.L.	K.10			L 60	0		97.25	99.67	2.42	G086931				
			LS - med lt qtz to med qtz, in part oolitic; Ca - vt < 2mm, av 0.5mm, stk + 55° ± -45°, most gash. - fr. from major fth; fr +15° ± -65° very wk Li																							
			99.67	102.72	3.05	LIMS	X	0	0	0	<L	<L	K.10	<L		L	-	T								
			LS - med lt qtz to med qtz; Ca - as above with < 2cm blebs, < 0.5mm vt dec to btm cnt; Do - a few pale orange vt; L2 py associated with stylolites																							
			102.72	105.77	3.04	LIMS	X	0	0	0	L	L	<T	K.5	?		L 35°	S								
			LS - lt qtz, med lt qtz, fine grained; Ca - < 2mm vt av < 0.5mm crackle filling ex fth stylolites - cbn. parting - most paper thin occ to 1mm - most py associated with this Ca - dec;																							
			105.77	108.81	3.04	LIMS	X	0	0	0	L	L	L	K.5	<T		L 65°	0								
			LS - lt qtz, rare < 2mm cbn lm, occ paper thin cbn lm; Ca - as above; fr - often open < 2mm ± xl car lined																							
			108.81	111.86	3.05	LIMS	X	0	0	0	L	T	L	K.10	<W		L 80°	T								
			LS - med qtz, occ lm, most med - tk bd; br - 5cm 55° cymatrix; < 0.5mm cart 1cr in br wall rock; occ vague narrow shrs; Ca - vt < 2mm. 1cr - br; Do - pale orange & white colored, bleb Ca, rim do;																							
			111.86	114.91		LIMS	X	0	0	0	L	L	L	S 10	<L		L	-	0							
			LS - lt qtz & med qtz; Ca - vt < 5mm - most < 0.5mm, occ. band to 20° around shv Do - < 1mm 15° vt; Py - stylolite - bd cbn																							

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V	S	(m)	(m)	(m)	(m)		GL	SL	SM	PY	LI		CA	OO		FR	BD	ZN	(m)	(m)	(m)	Number				
			114.91	117.96		LIMS X				0	< L	< L		K 2	0		W	T O								
LS - light olive gray to med H gy, in part, mottled occ v thin bd; Cavt 1-2mm +50° +10°; Py-tr, bi-ex py-bds fr;																										
			117.96	121.01		LIMS X	0	0	0	0	< W		< 1	0			S	T O								
LS - as above; fr +20°(S) - 50°(W) most tight to 20cm band fair open fr. Cavt - 0.5-2mm, xc by fr.; bi-ex py on fr.																										
			121.01	124.05		LIMS X	0	0	0	< ?	< W		< 2	< ?			S	T O								
LS - as above; fr - 15° tight, xc cavt, Cavt - 1mm - 5mm, small blebs, occ. vt-core calcite & white rim - ca - may be some do; Py - lim(expy?) & fr; on lat 15cm shr-wk bx - 60° possible fit; fr 114.91-124.05 - may be fit related																										
			124.05	127.10		LIMS 98	0	0	0	0	< W		K 2	< ?			A	T 5								
CHER 2 CH - black, blebs band 50cm; Cavt 1 & 8mm av 1mm - +15° - 20°; Py - bd L- 15° fr;																										
			127.10	130.15		LIMS 95	0	0	0	0	< T		K 2	< ?			M	T O								
CHER 5 LS - mainly med dkgy.																										
			130.15	E.O.H.																						