

## DRILL HOLE LOG

Hole: MCH 07-01

Zone:

8W

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Northings: 7208.214

Easting: 372.817

Elevation:

Drilling Dates: JULY 22-23/07

Logged by:

M.P. PHILLIPS

Length: 99.67m

Core Size:

Casing: 6.70 (m) in/out

Depth:	0.0	29.67
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Dip:  $45^\circ$   $42^\circ$ Azim:  $270^{\circ}$ 

Visual Log			From	To	Interval	Unit	Alteration and Mineralization										From	To	Interval	Sample				
V	S	(m)	(m)	(m)	(m)		GN	SL	SM	PY	LI	CA		FR	BD	ZN	(m)	(m)	(m)	Number				
			0.00	±5.79	5.79	CASN																		
0.00 recovery, casing to 6.70m. 5.79m = estimate start bedrock.																								
			±5.79	8.23	2.44	LIMS	X	0	0	0	0	0	B5			L45	0							
LS - vltgy, thin bd; fr - +60° - 40°; Ca - small blebs & bd blebs - both fossils(?)																								
			8.23	11.28	3.05	LIMS	X	0	0	0	0	0	B5			L40	0							
LS - as above; 15cm band 1-2% black cbn(?) specks; Ca - small blebs & bd blebs - bd & minor. vt																								
			11.28	14.33	3.05	LIMS	X	0	0	0	0	0	B5			L65	0							
LS - vltgy, with irreg med dk gy; bleb 2cm; Ca - irregular																								
			14.33	17.37	3.04	LIMS	X	0	0	0	0	0	B10			L60	0							
LS - vltgy with wk med ltgy; stk. Ca - irregular bd blebs; fr - +40° - 30°																								
			17.37	20.42	3.05	LIMS	X	0	0	0	0	0	#15			L60	0							
LS - vltgy & ltgy; lm - med bd; Ca - 'hr matrix - ca flooding'																								
			20.42	23.47	3.05	LIMS	X	0	0	0	0	0	#30			L50	0							
LS - v. ltgy & light gy, thin - med tk bd; ~1.25m band. br clasts in white ool matrix - primary feature;																								



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 Northing: \_\_\_\_\_ Easting: \_\_\_\_\_ Elevation: \_\_\_\_\_  
 Drilling Dates: \_\_\_\_\_ Logged by: \_\_\_\_\_  
 Length: \_\_\_\_\_ Core Size: \_\_\_\_\_ Casing: \_\_\_\_\_ (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)		6L	SL	SM	PY	LI		CA	HE		FR	BD	ZN	(m)	(m)	(m)	Number
			23.47	26.52	3.05	LIMS	X	0	0	0	0	0	B3	0		L40	0					
LS - vltgy, thin & tk bd; Ca - small bleb, thin irreg bd, & vt																						
			26.52	29.57	3.05	LIMS	X	0	0	0	0	<T	B3	0		W60	0					
LS vltgy & ltgy banded & vague mottled, thin mod tk bd; fr - ior, pale orange weathered & minor tpt Li; Ca - blebs, lense bleb & 2cm vn																						
			29.57	32.61	3.04	LIMS	X	0	0	0		<T	B3	0		W60°	0					
LS - vltgy & ltgy banded & mottled, med thin & thin bd; fr - +60° & -10°, wk crackle type; Ca - small bleb, irreg lm; Li - transported coat wk with - and fr																						
			32.61	35.66	3.05	LIMS	X	0	0	0	0	<T	B2	0		L40°	0					
LS - vltgy & ltgy inter bd & mottled, lm v thin & med bd, fr - loss locally; Li - transported; Ca - small bleb, irreg vt																						
			35.66	38.71	3.05	LIMS	X	0	0	<T	0	<T	B2	<T		L65°	0					
LS - vltgy & ltgy, bd & mottled, v thin - med thin bd; fr - 45°(s) skt locally; A-S; Ca - small blebs (fossils); fr - 45° trace SM, 36.34 - 36.6 - HE - fine dis & fr hc																						
			38.71	41.76	3.05	LIMS	X	0	0	0	0	<T	B2D?			L45°	0					
LS - vltgy & wk ltgy, bd - wk mottled, v thin & tk bd; fr - 20-30°(s) & -60°(w) near 67m weathered (crumbly); ZN - v wk weathering on fr since top of hole. Ca - small blebs occ. lense bleb on bd; Li - tpt																						
			41.76	44.81	3.05	LIMS	95	0	0	0	0	<T	B3	0		L45°	0					
			41.76	41.90	0.14	LSWT	5									A						
LS - vltgy & ltgy bd & mottled; Li - fr - insitu tpt; Ca - as above																						



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 Drilling Dates: \_\_\_\_\_ Logged by: \_\_\_\_\_  
 Length: \_\_\_\_\_ Core Size: \_\_\_\_\_ Casing: \_\_\_\_\_ (m) in/out

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Visual Log			Alteration and Mineralization															From To Interval Sample			
V	S	(m)	From (m)	To (m)	Interval (m)	Unit	CL	SL	SM	PY	LI	CA	HE	FR	BD	ZN	(m)	(m)	(m)	Number	
			44.81	47.85	3.04	LIMS					LT	B4	DT		L55°	5					
LS - v ltgy & ltgy mottled, med thin & tk bd; Ca - small blebs (fossils); LI - transported, HE - fine hexagonal xl;																					
			47.86	50.90	3.05	LIMS					LT	B3	LT		L50°	5					
			48.66	49.00	0.34	LSBR	10				LT		0		X	-	0				
LSBR - bc-br clasts in a ca matrix (recrystallized along fr; zone ± 30° LS - v ltgy & ltgy mottled; above & below 49.74 - 49.82 fr with fine grained he; fr - 25° dominant - around br zones - A intensity																					
			49.74	49.82	0.08	LSBR						-D1		X	-	0					
strong 50° sh+ fr. with 15mm br-fine clasts in cy with dis HE xls LSBR = fault																					
			50.90	53.95	3.05	LIMS	X					>3	LT		L40°	0					
LS - ltgy, thin-med thin; fr sh+ 15°(s) - with very fine he crystals																					
			53.95	57.00	3.05	LIMS	X					B2	LT		L50°	0					
LS - v ltgy & ltgy, v thin & 75cm band 'br matrix' - ca flooding Ca - small blebs & vt; fr - 20° light coating v fine he.																					
			57.00	60.05	3.05	LIMS	X				LT	X4	LT		L45°	0					
LS - v ltgy to light gy, thin & med tk bd; Ca - bd (5-10cm), blebs & vt. LI - ex he? on exd. fr.																					
			60.05	63.09	3.05	LIMS	X			LT	LT	BW	LT		M45°	0					
LS - v ltgy & ltgy interbd, v thin & med thin bd; LI - ex he?; fr + 20°(s) - 20°w SM - very fine, acicular on fr.																					



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Hole: MCH 07-01 Zone: \_\_\_\_\_  
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 Drilling Dates: \_\_\_\_\_ Logged by: \_\_\_\_\_  
 Length: \_\_\_\_\_ Core Size: \_\_\_\_\_ Casing: \_\_\_\_\_ (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	HE	FR	BD	ZN	(m)	(m)	(m)	Number					
			63.09	66.14	3.05	LIMS	X	0	0	0	0	LT	B4	0		L50	0								
			LS - v. ltgy & ltgy, interbd & mottled, thin & med tk bd; Ca - blcks, bd & vt Li - ex hc?																						
			66.14	69.19	3.05	LIMS	X	0	0	LT	0	LT	B3	0		M	-	0							
			67.76	67.90	0.14	LSWT	5			D.k						L									
			LS - v. ltgy & ltgy, tk bd & mottled; fr - M. locally, L, shd 2.8 Ca - blk bd & vt; Li ex hc?; LSWT - crumbly, br?; sm-fine asicular																						
			69.19	72.24	3.05	LIMS	X	0	0	LT	0	LT	P	0		M	-	0							
			69.95	70.33	0.38	LSBR	12									S	-								
			LS - kr. fr to bottom & pervasive sup att. LSBR - ± 3-3cm. bc-br bands - weak fault																						
			70.33	71.38	1.05	LIMS	X						0			A									
			72.15	72.24	0.09	LSBR										X									
			kr fr - below 70.80 kr fr - X & strong sup att; br < 1cm clogs in cy matrix - w																						
			72.24	75.29	3.05	LIMS		0	0	0	0	LT	P	0		S	-	0							
			72.78	73.10	0.32	FAUL										X									
			LS - pink. huc - weathering; Li - ex hc?; towards 72.78 kr fr. FAUL - ls clogs as 1-2mm in a sandy cy matrix, mod. fault																						
			73.10	74.62	1.52	LSBC										S									
			74.62	74.84	0.22	FAUL										X									
			LSBC - interbanded fr-S-X and bc-br. FAUL - clogs < 3mm av 1mm in crushed ls matrix, strong fault																						
			74.84	75.29	0.45	LSBC										S									
			LSBC - weak-strong bc, rare narrow. br.																						



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Hole: MCH 07-01 Zone:

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Northings:                      Eastings:                      Elevation:

Drilling Dates: \_\_\_\_\_ Logged by: \_\_\_\_\_

Length: \_\_\_\_\_ Core Size: \_\_\_\_\_ Casing: \_\_\_\_\_ (m) in/out

Depth:		
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Dip:		
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Azim:		
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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	HE		FR	BD	ZN	(m)	(m)	(m)	Number
			75.29	78.33	3.04	LIMS	X	0	0	0	0	<T		P	0		S	-	0			
			75.29	75.60	0.31	LSBC	X															
			LSBC - bc dr to btm.																			
			75.60	77.00	1.40	LIMS	X										S	-	-			
			77.00	78.25	1.25	FTZN	X										X	-	-			
			fr-10r to btm cnt, 10r, buff, huc-sup alt																			
			FTZN - at top, 10cm br-mod & below, strong, bc - strong sup.																			
			75.60 - 77.00 - fr-70°(s)																			
			78.25	78.33	1.08	LIMS	X										S					
			LS - fresh rock - little sup alt																			
			78.33 - 78.50 - highly broken & sup. alt - probably lost from lost core run.																			
			78.33	79.86	1.53	LSBC	X	0	0	0	0	<L		P	0		S	-	0			
			LSBC - wk to strong, bc; li - looks hc; fr +70° & -60°;																			
			78.86	81.38	2.52	LIMS	X	0	0	0	0	<L		P	<L		A	-	0			
			LS - vltgy & ltgy, buff, huc (oxd), +tkbd; fr A dr to btm cnt																			
			li - fr & dis - hc - scratch red & distinct crystal structure																			
			81.38	84.43	3.05	LIMS	X	0	0	0	0	<L		P	<L		M	65°	0			
			82.00	82.10	0.10	FAUL	X										A					
			LS - vltgy & ltgy often buff, huc (oxd), vthin - +tkbd; fr M - locally.																			
			over narrow widths A +30°(s) & -70°(w); 82.0 - 10cm bc - on btm 3cm.																			
			brg +25°(s) & -60°(M); li - fr & dis. = hc.																			
			84.43	87.48	3.05	LIMS	X	0	0	0	0	<L		P	<L		S		0			
			LSFR - 1																			
			LS - vltgy & ltgy & buff colored (oxd); core broken - top half fr(S) with 2-hc																			
			<4cm, bottom half 10r, fr(X); dr li(hc) on fr, dis absent; fr +50° & +15°(w)																			



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 Length: \_\_\_\_\_ Core Size: \_\_\_\_\_ Casing: \_\_\_\_\_ (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	HE		FR	BD	ZN	(m)	(m)	(m)	Number		
			87.48	90.53	3.05	LIMS		0	0	0	0	<L		P	<L		X	-	0					
			90.30	90.53	0.23	FAUL																		
			LS - highly broken core, vltgy & ltgy, patchy buff (oxd); fr. S-X-occ narrow band bc, fr +80° & -20°; L <sub>1</sub> = as previous; FAUL - ovoided clasts < 5mm in a crushed LS matrix.																					
			90.53	91.30	0.77	LIMS	X	0	0	0	0	<L		P	<L		S	-	0					
																	X							
			LS - strong fr with narrow bc common; core not as highly broken; vltgy - ltgy, interbd; at 6m int base of fr. bc-L <sub>1</sub> ; patchy buff hue - weathering																					
			91.30	93.57	2.27	LIMS	X	0	0	0	0	0		P	0		A	-	0					
						LSBC	4										S							
			slightly better core; LS - vltgy - ltgy, strong buff (oxd); fr A-S with ± 3 narrow (< 5cm) bc +20° & -15° (A)																					
			93.57	94.08	0.51	LIMS	X	0	0	0	0	<T		P	<T		S	-	0					
						LSBC	10																	
			core highly broken; vltgy & light gy, patchy buff; fr-S, at btm cnt. 6cm band bc-br. +70° & +20°; mod broken core																					
			94.08	96.62	2.54	LIMS		0	0	0	0	0		P	0		M	-	0					
			95.30	96.62		LSBC	2										S							
			LS - as above; fr-M to 95.30m. below S-occ wk bc.																					
			96.62	98.00	1.38	LIMS	X	0	0	0	0	<T		P	?		S	-	0					
						LSBC	20																	
			mod-strongly broken core; LS - as above; 30cm. highly broken core & sandy LS - bc.																					
			98.00	98.93	0.93	LIMS	X	0	0	0	0	<T		P	?		M	75°	0					
			fair-mod broken core; LS as above;																					

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