

MICHELLE PROJECT

PROPERTY:MICHELLE

HOLE: MCH-08-10

Easting	Northing	Elev.	Depth (m)
368380 m	7208351 m	1656 m	288.65

Contractor: ELITE
Drill: ZZ

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
140	189	-50	compass	590	196.6	-47.5	Icefield
190	190.4	-50.2	Icefield	640	197.6	-47.6	Icefield
240	191.3	-50.0	Icefield	690	198.5	-47.6	Icefield
240	191.3	-49.6	Icefield	740	199	-47	Icefield
290	192.6	-49.0	Icefield	790	200	-46.7	Icefield
340	191.7	-48.2	Icefield	840	201.4	-46.2	Icefield
340	192.9	-48.6	Icefield	890	202.4	-45.5	Icefield
390	192.8	-48.0	Icefield	940	202.7	-44.7	Icefield
440	193.6	-48.1	Icefield				
490	194.4	-48.0	Icefield				
540	195.6	-47.8	Icefield				

Core size: BTW
Casing depth: 3.50 (m) out

Drilling dates: August 3-6, 2008

Logged by: S. Eaton

Target: Peak Structures A and B

[illegible]

SAMPLES	
Numbers:	G005672-G005683
Total:	12
Date sent:	September

COMMENTS	

PROPERTY			Hole: MCH-08-10										Zone:		Peak		CLAIM:		MICHELLE 22					Page 1 of 6																																
MICHELLE CALAMINE			Northing:		7207382										Easting:		368380					Elevation:		1656 m		Depth:		288.65 m																												
			Drilling Dates:		August 3 - 6, 2008										Logged By:		S. Eaton & M. Kammerer					Casing:		OUT		Dip		45°																												
			Length:		288.65 m					Core Diameter:					BTW		Casing Depth:									3.5 m					Azimuth		178°																							
From	To	Interval	UNIT	ALTERATION AND MINERALIZATION																		GEOTECHNICAL						SAMPLES				ASSAYS																								
(m)	(m)	(m)		HYDROZINCITE				LIMONITE			CALCITE		DOLOMITE		FRACTURES				BEDDING		From	To	Rec.	Rec.	RQD	RQD	From	To	Interval	Sample	Zn	Pb	Ag	Ga																						
				0	W	M	S	MODE	TYPE	INT.	MODE	INT.	MODE	INT.	TYPE	DENS.	INT.	ANGLE	ANGLE	TYPE	ANGLE	(m)	(m)	(m)	%	(m)	%	(m)	(m)	(m)	Number	%	%	g/t	ppm																					
0.00	3.66	3.66	LST	99	0	1	0	-	-	-	<#	m	rim	tw	S	F	w	-	-	-	-	0.00	5.18	4.22	81%	0.47	9%																													
Broken and rubbly, light grey limestone with abundant calcite. Core surfaces occasionally react to zinc zap. Where core is moderately intact, homogenous limestone with calcite-healed fractures and local calcite-healed breccia exist. 2-3 mm thick, crystalline dolomite rim around calcite veins and breccia clasts.																						5.18	8.23	2.98	98%	2.22	73%																													
																						8.23	11.28	2.97	97%	2.18	71%																													
																						11.28	14.33	3.05	100%	2.46	81%																													
																						3.66	5.18	1.52	SAND	100	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	14.33	17.37	2.98	98%	2.16	71%								
Light grey-brown, uniform sand of fluvial? origin (karst void filled with sediment from sub-surface watercourse?)																						17.37	20.42	3.00	98%	2.53	83%																													
																						20.42	23.47	3.24	106%	1.91	63%																													
																						23.47	26.51	3.04	100%	2.30	76%																													
																						26.51	29.56	3.05	100%	2.42	79%																													
5.18	27.72	22.54	LST	100	t	0	0	-	-	-	<>#	m	rim	w	-	-	-	-	-	-	-	29.56	32.61	3.05	100%	2.49	82%																													
Light grey to taupe, medium to coarse grained limestone with frequent textural variations, including: 1) calcite fracture zones and calcite matrix in breccia are common but have limited continuity; 2) saccharoidal texture; 3) homogenous sections; 4) banding. Sparry calcite void infilling is common. Crystalline dolomite rims found on perimeter of calcite void and fracture fillings. Weak sections of iron-staining and alteration.																						32.61	35.66	2.90	95%	2.24	73%																													
																						35.66	38.76	3.04	98%	1.57	51%																													
																						38.76	41.76	2.77	92%	2.03	68%																													
																						41.76	44.81	1.39	46%	0.82	27%																													
14.83	16.60	0.77	LST	100	0	0	0	-	-	-	<	f	rim	t	S	W	tw	10	-	-	-	44.81	47.85	2.95	97%	2.01	66%																													
SUB-INTERVAL																						47.85	50.90	3.01	99%	2.05	67%																													
Very weak iron staining on fractures. Millimetre scale alteration of limestone. No reaction to zinc zap.																						50.90	53.95	3.02	99%	2.80	92%																													
																						53.95	56.99	3.03	100%	2.16	71%																													
																						56.99	60.05	3.06	100%	2.79	91%																													
																						16.60	19.01	2.41	LST	100	0	0	0	-	-	-	<>	f	rim	w	S	w	w	15	85	-	-	60.05	63.09	3.03	100%	2.50	82%							
SUB-INTERVAL																		40				63.09	66.14	3.03	99%	2.22	73%																													
Fine grained limestone, with rare ooliths in last 15 cm.																						66.14	69.20	2.99	98%	2.52	82%																													
																						69.20	72.24	3.05	100%	2.63	87%																													
																						72.24	75.29	3.05	100%	2.57	84%																													
																						19.62	23.57	3.95	LST	100	t	0	0	-	-	-	<>cf	m	rim	w	S	F	f	30	65	B	70	75.29	78.34	2.92	96%	1.86	61%							
Light grey to taupe, banded limestone. Light brown colour appears to be syngenetic (colour is well contained by beds and core does not looked stained).																						78.34	81.38	3.00	99%	2.38	78%																													
																						81.38	84.43	2.99	98%	2.54	83%																													
																						84.43	87.48	3.05	100%	2.35	77%																													
																						87.48	90.53	3.03	99%	2.32	76%																													
27.72	50.25	22.53	LST-Fe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90.53	93.57	3.02	99%	2.77	91%																													
				See sub-intervals for details																		93.57	96.62	3.00	98%	2.52	83%																													
Limestone as above with common iron-stained fractures and weak to very strong iron-alteration of limestone (rusty colour). Iron-alteration is concentrated around strongest fractures (alteration weakens distally to these fractures).																						96.62	99.67	3.05	100%	2.77	91%																													
																						99.67	102.72	3.01	99%	2.86	94%																													
																						102.72	105.77	3.04	100%	2.69	88%																													

PROPERTY			Hole: MCH-08-10				Zone: Peak				CLAIM: MICHELLE 22				Page 2 of 6																						
MICHELLE CALAMINE			Northing: 7207382				Easting: 368380				Elevation: 1656 m		Depth: 288.65 m																								
			Drilling Da August 3 - 6, 2008				Logged By: S. Eaton & M. Kammerer						Dip: 45°																								
			Length: 288.65 m		Core Diameter: BTW		Casing Depth: 3.5 m		Casing: OUT		Azimuth: 178°																										
From (m)	To (m)	Interval (m)	UNIT	ALTERATION AND MINERALIZATION																GEOTECHNICAL						SAMPLES				ASSAYS							
				HYDROZINCITE				LIMONITE			CALCITE		DOLOMITE		FRACTURES				BEDDING																		
								MODE	TYPE	INT.	MODE	INT.	MODE	INT.	TYPE	DENS.	INT.	ANGLE	ANGLE	TYPE	ANGLE	From (m)	To (m)	Rec. (m)	Rec. %	RQD (m)	RQD %	From (m)	To (m)	Interval (m)	Sample Number	Zn %	Pb %	Ag g/t	Ga ppm		
27.69	29.00	1.31	Fe-LST	0	W	M	S																														
SUB-INTERVAL				95	5	0	0	<	T	t	<	w	-	-	S K	F	f	14	40	-	-	105.77	108.81	2.96	97%	2.78	91%	27.69	29.00	1.31	G005672	0.23	0.00	< 1	< 50		
Strong, planar, iron-coated fractures at about 14° to core axis. 15 cm section of strong stockwork iron-stained fractures with weak limonite at fracture intersections.																						108.81	111.86	3.04	100%	2.36	77%										
																								111.86	114.91	2.86	94%	1.47	48%								
																									114.91	117.96	1.94	64%	0.66	22%							
29.00	32.93	3.93	LST	100	t	0	0	-	-	-	< > #	ms	rim	w	S K	M	m	-	-	B	60	117.96	121.01	2.97	97%	2.19	72%	35.66	37.30	1.64	G005673	0.06	0.00	< 1	< 50		
SUB-INTERVAL																						121.01	124.05	2.64	87%	1.54	51%										
Weakly iron-altered zone. Some calcite veins have very pale orange tint. Fractures vary from parallel to about 70° to core axis. Short banded section at 30.76 m.																						124.05	127.10	3.00	98%	2.74	90%										
																								127.10	130.15	3.02	99%	1.56	51%								
																									130.15	133.20	3.03	99%	2.91	95%							
32.93	38.11	5.18	Fe-LST	50	47	3	0	-	-	-	<	m	<	?	S	M	f	10-15	-	-	-	133.20	136.25	2.92	96%	2.27	74%										
SUB-INTERVAL																						136.25	139.29	3.05	100%	2.74	90%										
Iron-stained fractures (moderately to strongly reactive to zinc zap) occur in weak, pervasively iron-altered limestone. Pervasive weak reaction to zinc zap. Dominant fracture angle is shallow to core axis (10-15°) and undulates. Abundant pale orange calcite-dolomite veins.																						139.29	142.34	2.86	94%	2.48	81%										
																								142.34	145.39	3.05	100%	2.65	87%								
																									145.39	148.44	3.05	100%	2.80	92%							
38.11	40.46	2.35	LST	100	0	0	0	-	-	-	cf <	ms	rim	w	S	F	m	90	45	B	70	148.44	151.49	3.05	100%	2.67	88%										
SUB-INTERVAL																						151.49	154.53	2.78	91%	2.29	75%										
Very weakly iron-altered carbonate (calcite-dolomite) veining in light grey limestone. No reaction to zinc zap. Calcite-dolomite healed fractures undulate and are irregular, but are dominantly 45 to 90° to core axis. Very weak, short section of banding (70° to core axis).																						154.53	157.58	3.02	99%	2.79	91%										
																								157.58	160.63	2.90	95%	2.41	79%								
																									160.63	163.68	3.01	99%	2.43	80%							
40.46	41.76	1.30	LST	50	49	1	0	cf	T	t	<	w	-	-	S	W	w	50	-	-	-	163.68	166.73	3.05	100%	2.95	97%										
SUB-INTERVAL																						166.73	169.77	3.05	100%	2.96	97%										
Weak pervasive reaction to zinc zap throughout interval. Weakly iron-stained fractures oriented at 50° to core axis. Rare limonite-coated cavities respond moderately to zinc zap.																						169.77	172.82	3.03	99%	2.93	96%										
																								172.82	175.87	2.99	98%	2.66	87%								
																									175.87	178.92	3.01	99%	2.89	95%							
41.76	44.81	3.05	LST	75	24	1	0	-	-	-	cf <	w	-	-	S	F	w	40	-	-	-	178.92	181.97	3.05	100%	2.90	95%	41.76	44.81	3.05	G005674	0.33	0.02	2	< 50		
SUB-INTERVAL																						181.97	188.06	6.04	99%	5.71	94%										
Interval starts in strongly iron-altered, gravelly gouge with some sand and silt. Very poor recovery within that section (0.20/1.66m). Likely corresponds to iron gouge seen in MCH-08-09 (41.76 - 43.55 m). Remainder of interval is weakly to moderately iron-altered and fracture limestone (dominantly grey in colour). Weak to moderate reaction to zinc zap on fractures. Dominant fracture orientation 40° or less to core axis.																						188.06	191.11	3.01	99%	2.97	97%										
																									191.11	194.16	3.05	100%	2.99	98%							
																									194.16	197.21	2.98	98%	2.91	95%							
44.81	45.84	1.03	Fe-LST	10	88	2	0	-	-	-	-	-	-	-	S	M	f	20	45	-	-	197.21	200.26	3.01	99%	2.18	71%	44.81	45.84	1.03	G005675	0.55	0.02	< 1	< 50		
SUB-INTERVAL																						200.26	203.30	1.64	54%	0.00	0%										
Moderately to strongly iron-altered (rusty brown) limestone with iron- and pyrite-filled fractures and cavities. Pyrite is strongly weathered with rare bronze flecks. Weakly to moderately pervasive reaction to zinc zap.																						203.30	206.35	2.31	76%	2.20	72%										
																									206.35	209.40	2.88	94%	2.79	91%							
																									209.40	212.45	3.05	100%	2.57	84%							

PROPERTY				Hole:				MCH-08-10				Zone:				Peak				CLAIM:				MICHELLE 22				Page 3 of 6																									
MICHELLE CALAMINE				Northing:				7207382				Easting:				368380				Elevation:				1656 m		Depth		288.65 m																									
				Drilling Date:				August 3 - 6, 2008				Logged By:				S. Eaton & M. Kammerer										Dip		45°																									
				Length:				288.65 m				Core Diameter:				BTW				Casing Depth:				3.5 m				Casing:				OUT		Azimuth		178°																	
From		To		Interval		UNIT		ALTERATION AND MINERALIZATION																GEOTECHNICAL						SAMPLES				ASSAYS																			
(m)		(m)		(m)				HYDROZINCITE				LIMONITE				CALCITE		DOLOMITE		FRACTURES				BEDDING		From		To		Rec.		Rec.		RQD		RQD		From		To		Interval		Sample		Zn		Pb		Ag		Ga	
45.84		47.37		1.53		LST Bx		0	W	M	S	MODE	TYPE	INT.	MODE	INT.	MODE	INT.	TYPE	DENS.	INT.	ANGLE	ANGLE	TYPE	ANGLE	(m)		(m)		(m)		%		(m)		%		(m)		(m)		(m)		Number		%		%		g/t		ppm	
SUB-INTERVAL								98	2	0	0	-	-	-	# cf	ms	rim	w	S	W	t	10	-	-	-	212.45	215.49	2.83	93%	2.72	89%																						
Infrequent, weak, iron-stained fractures in limestone breccia with calcite matrix. Rare iron-coated cavities. Weak reaction to zinc zap on fractures and cavities.																																																					
47.37		48.95		1.58		Fe-LST Bx		60	37	3	0	-	-	-	cf #	ms	rim	w	S	M	f	20	-	-	-	224.64	227.69	2.53	83%	1.34	44%	47.37	48.95	1.58	G005676	0.07	0.01	< 1	< 50														
SUB-INTERVAL																									227.69	230.73	2.90	95%	2.61	86%																							
Limestone breccia with moderate iron-stained fractures and weak to moderate iron-alteration of limestone (rusty brown). Moderate reaction to zinc zap on fractures, very weak pervasive reaction. Prominent fracture set at 20° to core axis (5 members).																																																					
48.95		50.25		1.3		LST		90	10	0	0	-	-	-	#	ms	rim	w	S	W	tw	60	-	-	-																												
SUB-INTERVAL																																																					
Very weak iron-alteration of carbonate (Ca-Do) breccia matrix. Pale orange colour.																																																					
50.25		111.02		60.77		LST		100	t	0	0	-	-	-	< # cf	rim	t	S	variab	-	-	-	-	-	-																												
SUB-INTERVAL																																																					
Continuation of variably textured limestone unit. Localized weak iron fractures and alteration. Trace stylolitic fractures with pyrobitumin infill. Strongest iron-alteration intervals mentioned in sub-sections below. Towards end of interval, some medium grey sections with abundant calcite-healed fractures and cavities. Other than that, texture becomes more homogenous in the second half.																																																					
54.4		55.38		0.98		Fe-LST		100	t	0	0	-	-	-	< #	f	-	-	S	W	tw	60	10	-	-																												
SUB-INTERVAL																																																					
Iron staining in fracture network and halos around fractures. Halos and calcite-dolomite veins are weakly pink-rusty in colour.																																																					
61.19		71.14		9.95		LST		98	2	0	0	-	-	-	<	tw	rim	t	S	F	tw	20-30	-	-	-																												
SUB-INTERVAL																																																					
Homogenous limestone section with very few features. Iron-stained fracture networks at 62.93-64.20 m (dominant fractures at 20-30° to core axis), 66.64-67.41 m (12° to core axis), 68.33-68.63 m (15° to core axis) and 69.95-70.33 m (15° to core axis). Weak reaction to zinc zap on fractures in these sections, otherwise rare calcite-healed fractures. Very little breccia from this interval on.																																																					
88.66		87.63		0.97		LST		100	0	0	0	-	-	-	<	w	rim	t	S	W	tw	15-23	-	-	-																												
SUB-INTERVAL																																																					
Very weak iron staining on 3 fractures oriented between 15 to 23° to core axis.																																																					

[illegible]

PROPERTY	Hole:	MCH-08-10	Zone:	Peak	CLAIM:	MICHELLE 22				Page 5 of 6			
	Northing:	7207382	Easting:	368380	Elevation:	1656 m	Depth:	288.65 m					
	Drilling Date:	August 3 - 6, 2008	Logged By:	S. Eaton & M. Kammerer			Dip:	45°					
	Length:	288.65 m	Core Diameter:	BTW	Casing Depth:	3.5 m	Casing:	OUT	Azimuth:	178°			

From			To	Interval	UNIT	ALTERATION AND MINERALIZATION														GEOTECHNICAL					SAMPLES				ASSAYS								
(m)	(m)	(m)	(m)	(m)		HYDROZINCITE				LIMONITE			CALCITE		DOLOMITE		FRACTURES				BEDDING		From	To	Rec.	Rec.	RQD	RQD	From	To	Interval	Sample	Zn	Pb	Ag	Ga	
215.32	215.84	0.52	LST	0	W	M	S	MODE	TYPE	INT.	MODE	INT.	MODE	INT.	TYPE	DENS.	INT.	ANGLE	ANGLE	TYPE	ANGLE	(m)	(m)	(m)	%	(m)	%	(m)	(m)	(m)	Number	%	%	g/t	ppm		
SUB-INTERVAL				100	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
Mottled micritic limestone with black and taupe mottling (as in 185.09-185.62 m).																																					
222.7	227.69	4.99	LST	100	t	0	0	-	-	-	-	-	-	-	S	N	w	35 to	40	-	-																
SUB-INTERVAL																																					
Well fractured limestone. From 222.70-224.64 m: well fractured with a dominant orientation of 35 to 40° to core axis. 224.64-226.16 m: fault? Medium to coarse gravel sized fragments with some finer material. Very weak reaction to zinc zap. 226.16-227.69 m: well fracture, oriented at random angles.																																					
229.97	230.73	0.76	chert	100	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	B	70															
SUB-INTERVAL																																					
Banded, black chert. Bands typically 70° to core axis.																																					
230.91	231.67	0.76	LST	100	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
SUB-INTERVAL																																					
Vuggy limestone.																																					
241.68	242.65	LST	0.97	100	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
SUB-INTERVAL																																					
Mottled, micritic, black + taupe LST. As above.																																					
267.73	268.27	0.54	LST	100	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
SUB-INTERVAL																																					
Vuggy limestone.																																					
272.49	273.05	0.56	LST	100	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
SUB-INTERVAL																																					
Vuggy limestone.																																					

PROPERTY	Hole:	MCH-08-10	Zone:	Peak	CLAIM:	MICHELLE 22			Page 6 of 6			
	Northing:	7207382	Easting:	368380	Elevation:	1656 m	Depth:	288.65 m				
	MICHELLE CALAMINE	Drilling Da	August 3 - 6, 2008	Logged By:	S. Eaton & M. Kammerer		Dip	45°				
	Length:	288.65 m	Core Diameter:	BTW	Casing Depth:	3.5 m	Casing:	OUT	Azimuth	178°		

From		To		Interval		UNIT	ALTERATION AND MINERALIZATION														GEOTECHNICAL						SAMPLES				ASSAYS						
(m)		(m)		(m)			HYDROZINCITE				LIMONITE			CALCITE		DOLOMITE		FRACTURES				BEDDING		From (m)	To (m)	Rec. (m)	Rec. %	RQD (m)	RQD %	From (m)	To (m)	Interval (m)	Sample Number	Zn %	Pb %	Ag g/t	Ga ppm
							MODE	TYPE	INT.	MODE	INT.	MODE	INT.	TYPE	DENS.	INT.	ANGLE	ANGLE	TYPE	ANGLE																	
280.5	281.4	0.9		LST	0	W	M	S	MODE	TYPE	INT.	MODE	INT.	MODE	INT.	TYPE	DENS.	INT.	ANGLE	ANGLE	TYPE	ANGLE							281.14	282.55	1.36	G005683	0.04	0.01	< 1	< 50	
SUB-INTERVAL					100	0	0	0	-	-	-	#	m	-	-	-	-	-	-	-	-	-	-														
Very weak iron alteration and local, weak, calcite-healed breccia.																																					
281.4	281.47	0.07		Li	100	0	0	0	M <	T	100	-	-	-	-	-	-	-	-	-	-	-															
SUB-INTERVAL																																					
Fracture with massive limonite infilling. Limonite is crumbled and decomposed. Fracture oriented at 45° to core axis.																																					
281.47	281.54	0.07		Fe-LST	100	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
SUB-INTERVAL																																					
Strong iron alteration of limestone (rusty brown).																																					
281.54	282.28	0.74		Fe-LST	100	0	0	0	-	-	-	#	m	-	-	-	-	-	-	-	-	-															
SUB-INTERVAL																																					
Weak iron alteration of calcite matrix in limestone breccia.																																					