

Hole No.: HCE-038	Depth: 104.80 m	Horizontal Length: 0.00 m	Project: 1710
Location Data:			
Property:	Selwyn Project	Claim Name:	DON 116
Mining District:	Selwyn Basin	Grant Number:	Y 64981
Province/Territory:	Yukon		
UTM Co-Ordinates & Altitude of Drill Hole Collar:			
UTM Easting:	484142.85 m	True Azimuth:	10.5 °
UTM Northing:	6931003.63 m	Hole Angle:	-55.0 °
Elevation (m):	1225.72 m	NTS Name:	No Title
		UTM Datum:	NAD 83
		UTM Grid Zone:	9
		NTS Number:	105I11
Grid Co-Ordinates of Drill Hole Collar:			
Grid Easting (m):	0.00 m	Grid Name:	HP 06
Grid Northing (m):	0.00 m	Grid Type:	100m
Grid Azimuth:	70.0 °		
Dimond Drilling Contract:			
Drilled By:	NL-03	Date Drilling Start:	07-Jul-15
		Date Finish:	08-Jul-15
Diamond Drill Core:			
Logged By:	EH	Date Logging Start:	08-Jul-15
		Date Finish:	11-Jul-15
Legend for Core Logging Codes: PAX			
Core Size:	NQ3	Cemented:	No
Casing Depth:	9.10 m	Casing Pulled:	Yes
Water Depth:	0.00 m	Overburden Depth:	9.10 m
Level:		Section:	
		Drift:	

Selwyn Project

Diamond Drill Log

Survey Data for Hole

HCE-038

Hole Comments:

Tue, Jul 07 --- DS: Move drill, coil hose and move to setup to fly coiled hose out. Move pump setup and string water line to drill. Set anchor to 9m. Set casing to 9m and drilled down to to 69m. Current lithology ACTM at 67m.

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Wed, Jul 08 --- DS: Drill down to 105m. Shut down at 4:30 in CCMS. ACTM intersected from 64-89.9m, then faulted out. End of hole test, pack up and get ready to move. NS: 2 hours of packing up and getting ready to move. Standby for rest of night waiting on daylight for padbuilders to finish rodrack on pad.

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-55.0	10.5
51.00	-55.1	11.2
105.00	-53.3	11.8

Selwyn Project Diamond Drill Log

Hole Number:
HCE-038

Selwyn Chihong Mining Ltd.
#2701- 1055 West Georgia
Vancouver, British Columbia
Canada, V6E 0B6

From (m)	To (m)	Rocktype & Description	Sample ID	From (m)	To (m)	Width (m)	Pb (%)	Zn (%)	Ag (ppm)	Cd (ppm)	Pb% / Zn%
0.00	9.10	OVBR									
« 0.00- 8.20 No core was recovered » « 8.20- 9.10 Autochthonous pebbles of FLMD »											
9.10	15.80	FLMD									
<p><i>FLMD – Flaggy Mudstone Formation</i></p> <p><i>Dark grey mudstone in the upper portions of the unit grading into light grey mudstone to siltstone. Contains abundant wispy bioturbation which ranges from randomly-oriented at the top of the unit to bedding-parallel throughout the majority of the unit. Darker upper section has a strong fetid odour along broken surfaces. « btrb 0.10-2.00cm », « cg xtl crns ca 1.00-5.00% 5.00-150.00cm », « crns py 1.00-5.00% 0.10-0.50mm »,</i></p> <p><i>« 9.10- 12.30 Oxidization zone of iron oxides. Deformed flaggy textures »</i></p>											
15.80	61.50	USMS	E5573610	60.50	61.50	1.00					
<p><i>USMS – Upper Siliceous Mudstone</i></p> <p><i>Consists of interlaminated dark grey to black mudstone and light to medium grey chert. Regionally, a 1m thick graptolite zone occurs 15m below the top of the upper unit, this is usable as a horizon. The USMS is divided into 3 units. The Lower Unit contains abundant limestone concretions and Galena and sphalerite micro-concretions occur locally near the base of this unit. « gra , lm chrt -20.00% », « cg xtl sph crns ca 5.00-20.00cm », « bed chrt 10.00-15.00% »,</i></p> <p><i>« 15.80- 61.50 High strain zone with stretched boudinages, L-tectonite and asymmetric folded bands and veins. Foliations = 39° TCA; cleavages = 29° TCA @ 36.4m »</i></p> <p><i>« 46.30- 51.20 Shear sensed cleavage domain with 35cm quartz calcite vein »</i></p>											

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From (m)	To (m)	Rocktype & Description	Sample ID	From (m)	To (m)	Width (m)	Pb (%)	Zn (%)	Ag (ppm)	Cd (ppm)	Pb% / Zn%
61.50	65.10	FLT	E5573611	61.50	65.10	3.60					
« 61.50- 65.10 FLT with fault gouge, no cohesive strength; parallel to S1=41° TCA; Top « ACTM » was chopped out; the barite hydrothermal breccia was also faulted out. Significant core loss, with some leftovers derived from ACTM »											
65.10	89.90	ACTM	E5573612	65.10	66.00	0.90					
ACTM – Active Member			E5573613	66.00	66.50	0.50					
<p>The ACTM consists of a repetitive, possibly rhythmic, sequence of intercalated carbonaceous mudstone, cherty mudstone, chert and limestone and locally contains economically significant Zn and Pb sulphides (see bold marked facies), mainly in its sections with well developed lamination. Because of its heterogeneity, the member is distinctive and easily identified.</p> <p>=====</p> <p>The ACTM has 8 different facies:</p> <p>=====</p> <p>- GREY CHERT FACIES: Consists of laminated medium light grey to medium dark grey chert. Mineralization: 95-99% quartz and up to 5% secondary calcite.</p> <p>- WHITISH GREY ZN-PB MUDSTONE FACIES: Is a laminated cherty rock containing up to 70% sulphides. Mineralization: quartz, sphalerite and galena are the major minerals with only minor amounts of pyrite and locally calcite. Sedimentary diagenetic structures are common and well displayed in the facies, such as: lamination, pseudo-beds, calcite nodules & limestone nodules and abundant water escape structures. Most obvious structure in facies is cross-cutting veins containing massive sphalerite and galena with minor pyrite. They range in width from 0.5 to 10mm.</p> <p>- THIN BEDDED CHERTY MUDSTONE FACIES: Consists of rhythmic intercalated laminae of chert, carbonaceous mudstone and minor micrite. This facies contains significant amounts of Zn and Pb sulphides.</p>			E5573614	66.50	67.60	1.10					
			E5573615	67.60	68.20	0.60					
			E5573616	68.20	69.00	0.80					
			E5573617	69.00	70.00	1.00					
			E5573618	70.00	71.20	1.20					
			E5573619	71.20	72.30	1.10					
			E5573620	72.30	72.90	0.60					
			E5573621	72.30	72.90	0.60					
			E5573622	72.90	74.00	1.10					
			E5573623	74.00	75.00	1.00					
			E5573624	75.00	76.00	1.00					
			E5573625	76.00	77.10	1.10					
			E5573626	77.10	78.00	0.90					
			E5573627	78.00	78.50	0.50					
			E5573628	78.50	79.40	0.90					
			E5573629	79.40	79.80	0.40					
			E5573630	79.80	79.80	0.00					
			E5573631	79.80	80.90	1.10					
			E5573632	80.90	82.00	1.10					
			E5573633	82.00	83.10	1.10					
			E5573634	83.10	84.20	1.10					
			E5573635	84.20	84.80	0.60					
			E5573636	84.80	85.20	0.40					
			E5573637	85.20	85.70	0.50					
			E5573638	85.70	86.90	1.20					
			E5573639	86.90	88.60	1.70					
			E5573640	88.60	88.60	0.00					

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		<p>- <i>CHERTY MUDSTONE FACIES: Consists of a greyish black monotonous siliceous, carbonaceous mudstone. It is most typically found overlying the thin bedded calcareous mudstone facies.</i></p> <p>- <i>THIN BEDDED CALCAREOUS MUDSTONE FACIES: Consists of laminated carbonaceous mudstone containing 20-40% calcite, 40-55% quartz and 10-20% muscovite. Sulphides occur in laminae. In the XY area it is usually the lowest facies in the section to contain laminated sulphides.</i></p> <p>- <i>CALCAREOUS MUDSTONE FACIES: Consists of grey to greyish black monotonous, calcareous siliceous carbonaceous mudstone. There are no feathery calcite beds or pyrite-calcite blebs in the facies, making it easily distinguishable from the CCMS.</i></p> <p>- <i>GRADED LIMESTONE FACIES: Is a laminated argillaceous limestone with intercalated carbonaceous limestone laminae. The main rock type in the facies is laminated limestone with laminae up to 0.1-7mm thick.</i></p> <p>- <i>LIGHT GREY BASAL LIMESTONE FACIES - LGLS: Consists of laminated argillaceous limestone. In the Anniv area it marks the end of the ACTM. It's not always present in the stratigraphy.</i></p> <p>- <i>BASAL FACIES: This is a highly contorted and locally foliated carbonaceous mudstone. Unlike the other facies it is not repeated higher in the member. It appears locally to contain the slip zone of a major slump. The facies has only been observed in the YX area. It is 0.1-2m thick. The facies consists of massive carbonaceous siliceous mudstone with lenses and laminae of contorted, slightly carbonaceous chert.</i></p> <p>« 65.10- 66.00 HIGH TO MODERATE GRADE. Micro-faulted extremely silicified sparry limestone with barite-Zn-Pb-Ni-Cu-Mn veining and alteration, moderately laminated »</p>	E5573641	88.60	89.90	1.30					

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	66.00- 66.50	TRACE. Extremely silicified massive mudstone with 5 cm sphalerite lamina »									
	66.50- 67.60	BARREN TO TRACE. Silicified sparry limestone without visible Zn mineralization »									
	67.60- 68.20	TRACE. Cleavaged foliated siliceous mudstone »									
	68.20- 70.00	TRACE. Silicified massive limestone completely lacking Zn replacement, locally brecciated, calcite veined, 4% pyrite »									
	70.00- 72.30	MODERATE GRADE. Extremely silicified sparry limestone with mudstone, with strong Zn replacement; shear sense deformation »									
	72.30- 72.90	TRACE. Unaltered sparry limestone »									
	72.90- 76.00	LOW TO MODERATE GRADE. Shear sense deformed extremely silicified mudstone and limestone with moderate laminations and moderate Zn flooding »									
	76.00- 77.10	TRACE TO LOW GRADE. Weakly silicified limestone and mudstone experienced with shear sense deformation »									
	77.10- 78.00	LOW TO MODERATE GRADE. Shear sense deformed extremely silica flooded mudstone and limestone with some Zn replacement »									
	78.00- 78.50	BARREN TO TRACE. Unaltered micritic and sparry limestone »									
	78.50- 79.40	MODERATE GRADE. Micro-faulted (water escape structures) extremely laminated sparry limestone »									
	79.40- 79.80	BARREN, Unaltered limestone, massive »									
	79.80- 80.90	LOW TO MODERATE. Extremely silica-flooded fine laminated									

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<i>sparry limestone locally with mudstone »</i> <i>« 80.90- 84.20 TRACE. Unaltered sparry limestone, locally Zn calcite brecciated »</i> <i>« 84.20- 84.80 LOW GRADE. Foliated graphitic mudstone flanking sparry limestone with barite filling in the foliation »</i> <i>« 84.80- 85.20 BARREN, Unaltered limestone »</i> <i>« 85.20- 85.70 LOW TO MODERATE GRADE. Silica flooded, barite veined, laminated sparry limestone, foliated »</i> <i>« 85.70- 86.9 TRACE. Stylolite cut limestone, unaltered »</i> <i>« 86.90- 89.90 FLT cutting in ACTM core loss, fault gouge, non cohesive strength, parallel to S1=54° TCA »</i>											
89.90	96.20	FLT	E5573642	89.90	91.60	1.70					
<i>« 89.60- 96.20 FLT with fault gouge, no cohesive strength; parallel with S1=61° TCA, faulting basal micritic limestone out, graphitic slickenside, with high Zn leftover fragments from ACTM »</i>			E5573643	91.60	92.60	1.00					
			E5573644	92.60	93.60	1.00					
			E5573645	93.60	94.70	1.10					
			E5573646	94.70	96.20	1.50					
96.20	104.80	CCMS	E5573647	96.20	97.60	1.40					
CCMS – Calcareous Mudstone			E5573648	97.60	97.60	0.00					
<i>Massive, calcareous, carbonaceous, dark grey mudstone. Most of the member is massive, but rare poorly defined bedding and pyrite-calcite micro-concretions are present. Most diagnostic structures are feathery calcite beds (=thin calcite-cemented concretions, many of them contain pyrite cores) and calcite pseudo-beds (= fibrous calcite vein parallel to bedding).</i> <i>« lm ca 5.00-10.00mm », « nodules py -3.00% 2.00-20.00mm »</i> , <i>« 96.20- 104.80 Low strain zone with weak shear sense deformation »</i>											



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