

<b>Hole No.:</b> HCE-041	<b>Depth:</b> 162.00 m	<b>Horizontal Length:</b> 0.00 m	<b>Project:</b> 1710
<b>Location Data:</b>			
<b>Property:</b>	Selwyn Project	<b>Claim Name:</b>	NOD 61
<b>Mining District:</b>	Selwyn Basin	<b>Grant Number:</b>	YB49425
<b>Province/Territory:</b>	Yukon		
<b>UTM Co-Ordinates &amp; Altitude of Drill Hole Collar:</b>			
<b>UTM Easting:</b>	483731.82 m	<b>True Azimuth:</b>	2.0 °
<b>UTM Northing:</b>	6931079.12 m	<b>Hole Angle:</b>	-55.5 °
<b>Elevation (m):</b>	1223.50 m	<b>NTS Name:</b>	No Title
		<b>UTM Datum:</b>	NAD 83
		<b>UTM Grid Zone:</b>	9
		<b>NTS Number:</b>	105I11
<b>Grid Co-Ordinates of Drill Hole Collar:</b>			
<b>Grid Easting (m):</b>	0.00 m	<b>Grid Name:</b>	HP 06
<b>Grid Northing (m):</b>	0.00 m	<b>Grid Type:</b>	100m
<b>Grid Azimuth:</b>	65.0 °		
<b>Dimond Drilling Contract:</b>			
<b>Drilled By:</b>	CYR-01	<b>Date Drilling Start:</b>	09-Jul-15
		<b>Date Finish:</b>	13-Jul-15
<b>Diamond Drill Core:</b>			
<b>Logged By:</b>	EH	<b>Date Logging Start:</b>	13-Jul-15
		<b>Date Finish:</b>	15-Jul-15
<b>Legend for Core Logging Codes:</b> PAX			
<b>Core Size:</b>	HQ3	<b>Cemented:</b>	No
<b>Casing Depth:</b>	5.60 m	<b>Casing Pulled:</b>	No
<b>Water Depth:</b>	0.00 m	<b>Overburden Depth:</b>	5.60 m
<b>Level:</b>		<b>Section:</b>	
		<b>Drift:</b>	

# Selwyn Project

## Diamond Drill Log

### Survey Data for Hole

# HCE-041

#### **Hole Comments:**

Thu, Jul 09 --- DS: Spun on drill to drill HCE-041(HCE-SRK-01). Setup and burnt anchor rod. NS: Normal drilling, drilled down to depth of 21m with 6m of casing. Current lithology unknown as core is up at drill waiting to be flown down.

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Fri, Jul 10 --- DS: Blocky ground most of the day, regular drilling. Test at 51m. Drilled 33m down to 54m depth. NS: Blocky drilling most of the shift. Performed airlift test. Drilled 24m down to 78m depth. Current lithology is USMS,

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Sat, Jul 11 --- DS: Blocky rock all day, pulled 2 times for 3 meters. Used 1 blue, 1 gold. Drilled 24m down to 102m. Attempted packer test 3 times without success using SRK packer. NS: Blocky ground, used 1 blue, 1 gold. Performed airlift test using airlift packer, but switched ears from SCML packer to SRK packer. Believe that the problem lies with the NQ sized ears on SRK packer, as once switched, SRK packer worked fine. Drilled 18m down to 120m. Current lithology is CCMS.

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Sun, Jul 12 --- DS: Normal drilling, drilled 42m down to 162m in CCMS. Got setup for airlift and packer tests. NS: Performed airlift, packer test, pulled rods to put on shoe, put shoe on and reamed down, put 2" PVC down for future ATV probing.

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Mon, Jul 13 ---

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-55.5	2.0
24.00	-55.2	2.8
51.00	-55.0	4.4
102.00	-54.6	6.2
150.00	-54.4	8.4

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Hole Number:  
**HCE-041**

**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	5.60	OVBR									
« 0.00- 5.00 No core was recovered » « 5.00- 5.30 Allochthonous sediment possibly of glacial origin (?) »											
5.60	86.00	USMS	E5573960	84.00	85.00	1.00					
USMS – Upper Siliceous Mudstone			E5573961	85.00	86.00	1.00					
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% »,  « 5.60- 86.00 A high strain zone of foliation cleavage domain, dextral asymmetric folds; boudinage structures; barite overprinting in places »  « 10.60- 14.50 FLT with fault gouge; rubble; shear sense; low cohesive strength; parallel with S1; barite infills; with some silicification; hemimorphite in places as coating; some fault breccia contains 0.3% Zn by Niton. « FLT » dips 39° to southwest 190° »  « 15.00- 18.00 FLT with significant core loss; fault gouge; parallel with S1; pyrite barite hydrothermal breccia; rubble; shear sense; no cohesive strength; the FLT dips 76° to southwest 209° »  « 19.70- 22.30 FLT with some core losss; fault gouge; no cohesive strength; rubble; shear sense; dextral; < @ 19.80 Multi-element anomalous pyrite hydrothermal breccia, graphitic slickenside › »  « 33.00- 35.10 FLT - mylonite zone, shear sense; minor fault gouge; low cohesive strength; broken; a=25° TCA; stretched; porphyroblasts; L-tectonite;											

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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%
		<p><i>some calcite bands are pre-tectonic; some syn-tectonic; some post-tectonic »</i></p> <p>« 69.50- 73.60 FLT - shear sense; fault gouge; broken; low cohesive strength; graphitic slickensides; it dips 60° to northeast 39° »</p> <p>« @ 55.90 Possible bedding dips 85° to northeast 88° »</p> <p>« 79.90- 83.60 FLT with fault gouge; low cohesive strength; not parallel with S1; broken; S-C fabrics; graphitic slickensides; it dips 55° to north northeast 5° »</p> <p>« @ 85.80 Cleavage dips 63° to southwest 201° »</p>									
<b>86.00</b>	<b>100.60</b>	<b>ACTM</b>	E5573962	86.00	87.10	1.10					
		ACTM Active Member	E5573963	87.10	87.40	0.30					
			E5573964	87.40	88.00	0.60					
			E5573965	88.00	89.00	1.00					
			E5573966	89.00	90.00	1.00					
			E5573967	90.00	90.60	0.60					
			E5573968	90.60	91.00	0.40					
			E5573969	91.00	92.10	1.10					
			E5573970	92.10	92.80	0.70					
			E5573971	92.10	92.80	0.70					
			E5573972	92.80	93.70	0.90					
			E5573973	93.70	94.70	1.00					
			E5573974	94.70	95.70	1.00					
			E5573975	95.70	96.00	0.30					
			E5573976	96.00	97.00	1.00					
			E5573977	97.00	98.10	1.10					
			E5573978	98.10	98.90	0.80					
			E5573979	98.90	99.90	1.00					
			E5573980	99.90	99.90	0.00					
			E5573981	99.90	100.60	0.70					

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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%
		<p>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> <p>- CHERTY MUDSTONE FACIES: Consists of a greyish black monotonous siliceous, carbonaceous mudstone. It is most typically found overlying the thin bedded calcareous mudstone facies.</p> <p>- 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.</p> <p>- 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.</p> <p>- 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.</p> <p>- 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.</p> <p>- 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</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%
		<p><i>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>◁ @ 86.00 An indicator of barite altered multiple element anomalous breccia/veining - the top end of ACTM ▷</p> <p>« 86.00- 87.10 Zn averages 3.8% and Pb 0.3% by Niton. Highly silica flooded, moderately Zn overprinted (as laminations (NOT syn-sedimentary)) sparry limestone and mudstone, barite multiple element altered ; the lamination dips 73° to southwest 202° »</p> <p>« 87.10- 87.40 Zn averages 3.8% and Pb 0.3% by Niton, SRK sample with Zn mineralization, altered sparry limestone, cleavage dips 80° to northeast 61° »</p> <p>« 87.40- 90.00 Zn averages 5.6% and Pb 0.9% by Niton, Highly silicified, moderately barite altered, locally fine laminated sparry limestone and micritic limestone with minor mudstone, with graphitic fractures and slickensides »</p> <p>« 90.00- 90.60 Zn averages 0.6% and Pb 0.0% by Niton. Not silicified, but barite altered micritic limestone with weak Zn mineralization; lamination dips 61° to southwest 207° »</p> <p>« 90.60- 91.00 Zn averages 0.9% and Pb 0.1% by Niton. Silicified, moderately laminated sparry limestone with minor galena stringers; laminations dip 43° to northeast (8 to 82°)»</p> <p>« 91.00- 92.10 Zn averages 0.8% and Pb 0.0% by Niton. Core loss; FLT breccia; angular fragments; minor Zn mineralization »</p> <p>« 92.10- 92.80 Zn averages 0.7% and Pb 0.2% by Niton. Silicified, moderately laminated sparry limestone mixed with micritic limestone »</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%
« 92.80- 93.70 Zn averages 1.0% and Pb 0.3% by Niton. FLT, brecciated, barite altered, silicified mudstone and limestone, angular fragments, dilational features »											
« 93.70- 94.70 Zn averages 0.2% and Pb 0.02% by Niton. Unaltered micritic limestone »											
« 94.70- 95.20 Zn averages 0.8% and Pb 0.1% by Niton. Highly silicified moderately laminated sparry limestone, barite altered, < @ 94.90 Foliation and cleavage domain > »											
« 95.20- 98.10 Zn averages 0.03% and Pb 0.0% by Niton. USMS style lithology without laminations »											
« 98.10- 98.90 Zn averages 0.1% and Pb 0.01% by Niton. Barite altered graphitic mudstone »											
« 98.90- 100.60 Zn averages 0.0% and Pb 0.0% by Niton. Barite overprinted micritic basal limestone »											
<b>100.60</b>	<b>162.00</b>	<b>CCMS</b>	E5573982	100.60	101.40	0.80					
CCMS – Calcareous Mudstone			E5573983	101.40	102.70	1.30					
			E5573984	102.70	102.70	0.00					
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).											
« lm ca 5.00-10.00mm », « nodules py -3.00% 2.00-20.00mm »,											
« 101.20- 102.00 FLT with fault gouge; graphitic slickensides, minor barite, low cohesive strength; parallel with S1=35° TCA »											
« 102.00- 114.00 Foliation cleavage domain prevailing orientation dips											

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		40° to northeast 76° »  ‹ @ 123.20 Foliation dips 59° to northeast 35° › ‹ @ 132.10 Calcite band dips 30° to southeast 107° › ‹ @ 140.00 Foliation/cleavage dips 51° to northeast 44° › ‹ @ 147.60 Cleavage dips 34° to southeast 131° › ‹ @ 158.10 Cleavage dips 81° to southwest 234° › ‹ @ 159.70 Foliation dips 44° to southwest 193° › ‹ @ 161.00 Foliation dips 57° to southwest 202° › ‹ @ 159.00 Pyrite band dips 60° to northeast 66° ›									
162.00	162.00	EOH									