

<b>Hole No.:</b> HCE-046	<b>Depth:</b> 60.00 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 28
<b>Mining District:</b>	Selwyn Basin	<b>Grant Number:</b>	YB49392
<b>Province/Territory:</b>	Yukon		
<b>UTM Co-Ordinates &amp; Altitude of Drill Hole Collar:</b>			
<b>UTM Easting:</b>	482865.93 m	<b>True Azimuth:</b>	5.0 °
<b>UTM Northing:</b>	6931183.57 m	<b>Hole Angle:</b>	-88.0 °
<b>Elevation (m):</b>	1206.38 m	<b>NTS Name:</b>	No Title
		<b>UTM Datum:</b>	NAD 83
		<b>UTM Grid Zone:</b>	9
		<b>NTS Number:</b>	150I11
<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>	NI-03	<b>Date Drilling Start:</b>	21-Jul-15
		<b>Date Finish:</b>	22-Jul-15
<b>Diamond Drill Core:</b>			
<b>Logged By:</b>	EH	<b>Date Logging Start:</b>	23-Jul-15
		<b>Date Finish:</b>	25-Jul-15
<b>Legend for Core Logging Codes:</b> PAX			
<b>Core Size:</b>	NQ3	<b>Cemented:</b>	No
<b>Casing Depth:</b>	18.40 m	<b>Casing Pulled:</b>	No
<b>Water Depth:</b>	0.00 m	<b>Overburden Depth:</b>	18.40 m
<b>Level:</b>		<b>Section:</b>	
		<b>Drift:</b>	

# Selwyn Project

## Diamond Drill Log

### Survey Data for Hole

## HCE-046

#### **Hole Comments:**

Tue, Jul 21 --- DS: Drilled at HCE-045 from 1022-111m (EOH) in CCMS. Packed up and moved to new set up HCE-815 (HCE-046) and set anchor at 12m. String hoseline. NS: Drilled HCE-046 to final depth of 60m (EOH). Survey at 30m and standby at EOH. Intersected ACTM from 18-52.6m.

Wed, Jul 22 --- DS: Shut down HCE-046. Survey @EOH and tear down. Move to setup HCE-822 (HCE-047). Set anchor and then down due to motor issues. NS: Down due to motor issues

Tue, Jul 21 --- DS: Drilled at HCE-045 from 1022-111m (EOH) in CCMS. Packed up and moved to new set up HCE-815 (HCE-046) and set anchor at 12m. String hoseline. NS: Drilled HCE-046 to final depth of 60m (EOH). Survey at 30m and standby at EOH. Intersected ACTM from 18-52.6m.

Wed, Jul 22 --- DS: Shut down HCE-046. Survey @60m (EOH). Pull out and tear down. Move to setup HCE-822 (HCE-047). Set anchor to 12m. Down due to motor issues. NS: Down due to motor issues.

Thu, Jul 23 --- DS: Drilled from 18-42m. Waited for helicopter to fly pump, set up pump, 1.5hr for anchor (the anchor from previous shift did not set), start drilling, survey at 27m; NS: Drilled from 42 to around ~75m. Bad recovery until 60m, pulled bit at 70m, short runs all night, survey at 51m. Currently lithology unknown as core still at drill. Core observed at 24m in possible ACTM.

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-88.0	5.0
30.00	-87.6	16.8
60.00	-88.1	25.4

# Selwyn Project Diamond Drill Log

Hole Number:  
**HCE-046**

**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	18.40	OVBR									
« 0.00- 18.00 No coar was recovered. » « 18.00- 18.40 Allochthonous pebbles »											
18.40	52.40	ACTM	E5574510	18.40	19.40	1.00					
ACTM – Active Member			E5574511	19.40	20.10	0.70					
<p><i>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.</i></p> <p>=====</p> <p><i>The ACTM has 8 different facies:</i></p> <p>=====</p> <p>- <b>GREY CHERT FACIES:</b> <i>Consists of laminated medium light grey to medium dark grey chert. Mineralization: 95-99% quartz and up to 5% secondary calcite.</i></p> <p>- <b>WHITISH GREY ZN-PB MUDSTONE FACIES:</b> <i>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 &amp; 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.</i></p> <p>- <b>THIN BEDDED CHERTY MUDSTONE FACIES:</b> <i>Consists of rhythmic intercalated laminae of chert, carbonaceous mudstone and minor micrite. This facies contains significant amounts of Zn and Pb sulphides.</i></p> <p>- <b>CHERTY MUDSTONE FACIES:</b> <i>Consists of a greyish black monotonous siliceous,</i></p>			E5574512	20.10	21.10	1.00					
			E5574513	21.10	21.90	0.80					
			E5574514	21.90	23.10	1.20					
			E5574515	23.10	24.30	1.20					
			E5574516	24.30	24.80	0.50					
			E5574517	24.80	25.80	1.00					
			E5574518	25.80	26.80	1.00					
			E5574519	26.80	28.00	1.20					
			E5574520	28.00	29.20	1.20					
			E5574521	28.00	29.20	1.20					
			E5574522	29.20	30.30	1.10					
			E5574523	30.30	31.10	0.80					
			E5574524	31.10	31.80	0.70					
			E5574525	31.80	32.60	0.80					
			E5574526	32.60	33.60	1.00					
			E5574527	33.60	34.60	1.00					
			E5574528	34.60	35.70	1.10					
			E5574529	35.70	36.80	1.10					
			E5574530	36.80	36.80	0.00					
			E5574531	36.80	37.90	1.10					
			E5574532	37.90	39.00	1.10					
			E5574533	39.00	40.00	1.00					
			E5574534	40.00	41.00	1.00					
			E5574535	41.00	42.10	1.10					
			E5574536	42.10	42.90	0.80					
			E5574537	42.90	43.70	0.80					
			E5574538	43.70	44.50	0.80					
			E5574539	44.50	45.30	0.80					

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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%
		carbonaceous mudstone. It is most typically found overlying the thin bedded calcareous mudstone facies.	E5574540	45.30	45.30	0.00					
			E5574541	45.30	45.90	0.60					
			E5574542	45.90	47.10	1.20					
		- THIN BEDDED CALCAREOUS MUDSTONE FACIES: Consists of laminated carbonaceous	E5574543	47.10	47.50	0.40					
		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.									
			E5574544	47.50	48.50	1.00					
			E5574545	48.50	49.00	0.50					
			E5574546	49.00	50.00	1.00					
			E5574547	50.00	51.20	1.20					
		- 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.	E5574548	51.20	52.40	1.20					
		- 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.									
		- 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.									
		- 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.									
		« 18.40- 19.40 LOW TO MODERATE GRADE. Broken core; with minor hemimorphite, mixed lithologies »									
		« 19.40- 20.10 MODERATE GRADE. Silica flooded sparry limestone, silicified, hard to cut »									

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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%
		« 20.10- 21.40 LOW TO MODERATE GRADE. Silica flooded ductile deformed sparry limestone, decarbonated »									
		« 21.40- 21.90 LOW GRADE. Silica flooded sparry limestone moderately laminated »									
		« 21.90- 24.30 LOW TO MODERATE GRADE. Ductile deformed silica flooded mudstone and sparry limestone, finely laminated, Sedex type mineralization »									
		« 24.30- 26.80 MODERATE GRADE. Silicified laminated mudstone and sparry limestone, ductile deformed water escape structures »									
		« 26.80- 29.20 BARREN. Weakly silicified sparry limestone locally cut by calcite veining »									
		« 29.20- 30.30 TRACE TO LOW GRADE. Silicified laminated mudstone and limestone »									
		« 30.30- 31.10 HIGH GRADE. Highly silica-flooded Sedex Zn mineralized sparry limestone, overprinted by sphalerite and galena water escape structures »									
		« 31.10- 31.80 TRACE. Laminated carbonaceous mudstone, the laminations are not from Sedex but from sedimentation grading »									
		« 31.80- 34.60 MODERATE GRADE. Moderately altered sparry limestone, moderately laminated »									
		« 34.60- 39.00 MODERATE TO HIGH GRADE. Laminated silicified mudstone and limestone, water escape structures, micro faulted »									
		« 39.00- 40.00 LOW GRADE. Weakly altered micritic limestone with disseminated Zn mineralization »									

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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%
« 40.00- 42.10 LOW TO MODERATE GRADE. Laminated silicified sparry limestone with L-tectonite »											
« 42.10- 42.90 TRACE. Foliated black mudstone, massive ductile deformed »											
« 42.90- 43.70 TRACE TO LOW GRADE. Silicified laminated sparry limestone without detected Zn mineralization »											
« 43.70- 44.50 LOW TO MODERATE GRADE. Silicified laminated sparry limestone mixed with mudstone »											
« 44.50- 45.30 TRACE. Laminated sparry limestone »											
« 45.30- 45.90 MODERATE GRADE. Sedex Zn mineralized mudstone »											
« 45.90- 47.10 TRACE. Unaltered massive sparry limestone »											
« 47.10- 47.50 TRACE. Zn stylolite sparry limestone »											
« 47.50- 48.50 MODERATE GRADE. Silicified laminated sparry limestone »											
« 48.50- 50.00 TRACE TO LOW GRADE. Locally brecciated veined silicified sparry limestone »											
« 50.00- 52.40 BARREN TO TRACE. Barren micritic basal limestone with localized sparry limestone »											
<b>52.40</b>	<b>60.00</b>	<b>CCMS</b>	E5574549	52.40	53.50	1.10					
CCMS – Calcareous Mudstone			E5574550	53.50	54.50	1.00					
			E5574551	53.50	54.50	1.00					
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).											



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