

<b>Hole No.:</b> HCE-029	<b>Depth:</b> 282.00 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>	482870.15 m	<b>True Azimuth:</b>	345.0 °
<b>UTM Northing:</b>	6931130.95 m	<b>Hole Angle:</b>	-61.0 °
<b>Elevation (m):</b>	1214.97 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>	45.0 °		
<b>Dimond Drilling Contract:</b>			
<b>Drilled By:</b>	NL-03	<b>Date Drilling Start:</b>	25-Jun-15
		<b>Date Finish:</b>	29-Jun-15
<b>Diamond Drill Core:</b>			
<b>Logged By:</b>	K. Paterson	<b>Date Logging Start:</b>	27-Jun-15
		<b>Date Finish:</b>	02-Jul-15
<b>Legend for Core Logging Codes:</b> PAX			
<b>Core Size:</b>	NQ3	<b>Cemented:</b>	No
<b>Casing Depth:</b>	24.10 m	<b>Casing Pulled:</b>	No
<b>Water Depth:</b>	0.00 m	<b>Overburden Depth:</b>	24.10 m
<b>Level:</b>		<b>Section:</b>	
		<b>Drift:</b>	

# Selwyn Project

## Diamond Drill Log

### Survey Data for Hole

## HCE-029

#### Hole Comments:

Fri, Jun 19 --- Mobilize to camp, minor repairs on trucks, assessing situation of drills

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Sat, Jun 20 --- Getting definition drill ready to fly

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Sun, Jun 21 --- Getting definition drill ready to fly

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Mon, Jun 22 --- Getting definition drill ready to fly, getting loads of drill rod ready to fly.

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Tue, Jun 23 --- Working on pump shacks, all three are ready to fly (one extra) and HQ drill (NL-02)

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Wed, Jun 24 --- Working on HQ gear and drill. Mobilized pump and ran hoseline to setup. Ready for drill move June 25.

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Thu, Jun 25 --- DS: Moved drill to pad HCE-814 to drill HCE-029, setup, start anchor, set up pump and water line. NS: Set casing to 24m and drilled to total depth of 60m. Current lithology: BSSM @ depth of 57.7m

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Fri, Jun 26 --- DS: Drilled most of morning from 60-102m, seals blew in chuck, removed and replaced head, all fluid contained with enviro mat then placed in garbage bags, stand by 1hr due to repeater being down and loss of contact; NS: Drilled down to total depth of 163m, no issues, test at 153m. Current lithology is CCMS @ 158m

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Sat, Jun 27 --- DS: Drilled most of the day from 162-192m, had to ream several times throughout the day. NS: Drilled from 192-225m. Current lithology is CCMS.

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Sun, Jun 28 --- DS: Drilled 18m down to total depth of 243m. Bad ground all day, had to ream several times. Spent 1 hour fighting to get through fault. Pulled rods to change bit at 228m. NS: Drilled 33m down to total depth of 276m. Pulled for stuck tube. Current lithology is CCMS at depth of 276m. Shut down drill at 282m (last 6m up at drill). Will packup and move to pad HCE-804 to drill HCE-031 June 29 PM.

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Mon, Jun 29 --- DS: Drilled 6m, shut down hole at 282m in CCMS. EOH Test at 282m, pull rods, casing was stuck, managed to receive 12m with 12m left in hole with shoe. Packed up pump and hose line, moved pump to new setup and ran hose line to new pad. Moving to pad HCE-804 to drill hole HCE-031. NS: No helicopter (out on fire rescue mission in Nahanni Park).

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-61.0	345.0
30.00	-61.0	345.8
51.00	-60.9	346.5
102.00	-58.2	349.1
150.00	-56.3	354.1
153.00	-56.9	354.1

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### Survey Data for Hole

# HCE-029

**Selwyn Chihong Mining Ltd.**

#2701- 1055 West Georgia Street

Vancouver, British Columbia

Canada V6E 0B6

222.00	-55.6	356.0
255.00	-53.6	358.2

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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%
0.00	24.10	<b>OVBR</b>									
<i>Appears that tricone was used to bedrock interface. Have requested they don't do this in the future as we have very likely lost some ACTM due to this. A few 5cm ground, redrilled, rounded autochthonous pebbles that appear to be FLMD and a grey conglomerate.</i>											
24.10	47.90	<b>ACTM</b>	E5573110	24.10	25.60	1.50					
<i>ACTM – Active Member</i>			E5573111	25.60	27.40	1.80					
<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>			E5573112	27.40	28.40	1.00					
			E5573113	28.40	29.40	1.00					
			E5573114	29.40	30.50	1.10					
			E5573115	30.50	32.10	1.60					
			E5573116	32.10	33.10	1.00					
			E5573117	33.10	34.10	1.00					
			E5573118	34.10	35.10	1.00					
			E5573119	35.10	36.60	1.50					
			E5573120	36.60	37.60	1.00					
			E5573121	36.60	37.60	1.00					
			E5573122	37.60	38.60	1.00					
			E5573123	38.60	39.40	0.80					
			E5573124	39.40	40.50	1.10					
=====			E5573125	40.50	42.00	1.50					
<i>The ACTM has 8 different facies:</i>			E5573126	42.00	42.90	0.90					
=====											
<i>- GREY CHERT FACIES: Consists of laminated medium light grey to medium dark grey chert. Mineralization: 95-99% quartz and up to 5% secondary calcite.</i>			E5573127	42.90	43.90	1.00					
<i>- 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 &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>			E5573128	43.90	44.90	1.00					
<i>- 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.</i>			E5573129	44.90	45.90	1.00					
			E5573130	45.90	45.90	0.00					
			E5573131	45.90	46.90	1.00					
			E5573132	46.90	47.90	1.00					

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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>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><i>Overall, very poorly mineralized section of active member. Zero to trace (maximum of 0.4% Zn, 0.2% Pb by Niton) located within top 3.4m of section. Other than that, pretty much barren. Suggested ACTM by presence of trace mineralization, and appearance of basal limestone (with characteristic 'animal</i></p>									

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		<p><i>shaped' dilational/extensional vein cluster with angular terminations).</i></p> <p>« 24.10- 27.40 TRACE GRADE. Weakly mineralized medium grey moderately silicified, healed, tectonically brecciated mudstone. Healed material same as host rock with mm-cm scale clast supported character. Weak alignment at 19° TCA. Pitted out microdefects. »</p> <p>« 27.40- 30.50 BARREN. Black, carbonaceous mudstone, highly fractured/fissile with carbonaceous fracture surfaces, sections of weakly healed breccia. Section from 27.7-30.0m displaces repetitive extensional calcite veins with enveloped subangular wallrock clasts. Minor orange oxidation on fracture surfaces. »</p> <p>« 30.50- 32.10 BARREN. Thickly/coarsely (cm-10cm) laminated.interbedded black carbonaceous mudstone, ultra fine grained siliceous/cherty beds and grey coarse/granular limestone. Wavy, irregular and cm scale calcite veins mirror these beds/pseudobeds in wallrock. »</p> <p>« 32.10- 34.10 BARREN. Grey, granular , weakly and thickly wavy banded limestone. Minor black wispy carbonaceous stringers, minor 3mm scale thick crackle veins in sections. »</p> <p>« 34.10- 36.60 BARREN. Interbedded/interlaminated at 5mm-3cm scale black calcareous mudstone and grey granular to ultra fine grained limestone with white calcite veins mirroring wavy laminated sturcture. Minor weak brecciation, lamination varies from parallel to perpindicular to core axis with soft curvaceous appearance. »</p> <p>« 36.60- 39.40 BARREN. Black carbonaceous to weakly calcareous generally massive, rarely with faint internal structure. Low angle (19°) lustrous carbonaceous /graphitic fracture surfaces. Cm-4cm »</p> <p>« 39.40- 42.00 BARREN. Black siliceous mudstone with grey cherty bands with calcareous fracture fill and fringes. USMS appearance. Polished, smooth lustrous graphitic surfaces parallel S1 at 21° TCA »</p>									

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		« 42.00- 42.90 BARREN. Grey siliceous mudstone, weak 'near flaggy' texture. Calcite fracture fill/tension gashes, mm scale. »  « 42.90- 47.90 BARREN. Basal limestone. Light-medium grey ultra fine grained, creamy textured micritic limestone. Section from 45m-45.5m is healed breccia. 46.1m-47.6m is black-dark grey calcareous mudstone before 'last gasp' of grey limestone with dilation/extensional calcite veining with angular terminations. »									
47.90	226.00	CCMS	E5573133	47.90	48.90	1.00					
CCMS – Calcareous Mudstone			E5573134	48.90	49.90	1.00					
			E5573135	49.90	49.90	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 »,  Monotonous, massive, black carbonaceous to weakly-moderately calcareous mudstone. speckled grey calcite pseudo beds+/- pyrite, ultra fine grained pyrite bands and 'perforated' white blebby/dashed calcite veins define structure here/are the measurable structures.  ‹ @ 58.20 Grey calcite+disseminated pyrite pseudo-beds Sn= 31° TCA › ‹ @ 76.40 Medium grey calcite pseudo-beds. Sn= 29° TCA › ‹ @ 81.90 Ultra fine grained pyrite band, 3mm scale Sn= 26° TCA › ‹ @ 92.80 Ultra fine grained pyrite band, 5mm scale. Sn = 30° TCA › ‹ @ 96.60 Speckled calcite+pyrite pseudoe beds Sn = 24° TCA › ‹ @ 109.60 Ultra fine grained pyrite pyrite bands, dashed calcite veins/bands. Sn = 24° TCA › ‹ @ 125.60 Dashed calcite bands. Sn = 30° TCA › ‹ @ 135.40 Speckled calcite pseudo-beds Sn = 29° TCA ›								

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		<p>◁ @ 158.00 Grey wavy cherty bands. Sn = 53° TCA ▷</p> <p>« 157.00- 175.00 USMS appearance with wavy grey cherty bands »</p> <p>« 212.90- 216.00 Area of increased grey chert bands. Calcite fracture fill, 'feathery' calcite subcm angular concretions with pyrite cores still present. »</p>									
<b>226.00</b>	<b>237.80</b>	<b>FLT</b>									
<p>Fault composed of calcite healed breccia (20%) with angular cm-5cm scale fragments, broken core (50%) and fault breccia (20%) displaying dominantly brittle deformation. Gouge/microbreccia supported angular fault breccia pieces comprise 10% of interval. Gouge rich core is observed from 233.7-234.3m. Trace mineralization is sporadic within fault gouge.</p>											
<b>237.80</b>	<b>246.00</b>	<b>BSSM</b>									
<p>BSSM – Backside Siliceous Mudstone</p> <p>Devonian Siliceous Mudstone – Upper Chert Formation</p> <p>Greyish black laminated chert and siliceous mudstone. Randomly-oriented to bedding-parallel bioturbation is common in the bottom of the unit. « lm chrt 75.00-95.00% », « btrb 0.10-2.00cm »,</p> <p>Appears to be BSSM, potentially USMS? with grey sausage textured/boudinaged chert bands at the cm scale. Unit bears trace zinc mineralization throughout, up to 0.122% Zn (of uneconomic value).</p> <p>◁ @ 238.60 Grey cherty boudins/'sausage' beds. Sn= 66° ▷</p> <p>◁ @ 241.10 Grey cherty bands. Sn= 64° ▷</p> <p>◁ @ 245.00 Grey cherty bands. Sn= 61° ▷</p>											
<b>246.00</b>	<b>254.00</b>	<b>FLT</b>									
<p>Healed breccias +/- calcite crackle veining. Healing material is carbonaceous, variable from solid core to weak microbreccia supported mudstone clasts. Does not have 'clayey' feel, but instead, gritty very fine but intact/compacted</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%
		material. Strange hole, this entire bottom section could be potentially classified as CCMS, but sausage cherty boudins dissappear immediately after structure, and appears as classic monotonous carbonaceous CCMS.									
254.00	282.00	CCMS									
CCMS – Calcareous Mudstone											
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 »,											
Classic, monotonous black carbonaceous to calcareous mudstone with feathery calcite pseudo beds.											
‹ @ 262.70 "feathery bed" orientation, subcm calcitic angular concretion. Sn= 54° ›											
« 265.20- 266.60 Calcite crackle and vein breccias with angular wallrock clasts »											
282.00	282.00	EOH									