

<b>Hole No.:</b> HCE-047	<b>Depth:</b> 154.10 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>	482869.50 m	<b>True Azimuth:</b>	144.0 °
<b>UTM Northing:</b>	6931126.12 m	<b>Hole Angle:</b>	-80.0 °
<b>Elevation (m):</b>	1215.54 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>	205.0 °		
<b>Dimond Drilling Contract:</b>			
<b>Drilled By:</b>	NL-03	<b>Date Drilling Start:</b>	22-Jul-15
		<b>Date Finish:</b>	25-Jul-15
<b>Diamond Drill Core:</b>			
<b>Logged By:</b>	H. Grimson	<b>Date Logging Start:</b>	25-Jul-15
		<b>Date Finish:</b>	28-Jul-15
<b>Legend for Core Logging Codes:</b> PAX			
<b>Core Size:</b>	NQ3	<b>Cemented:</b>	No
<b>Casing Depth:</b>	18.00 m	<b>Casing Pulled:</b>	Yes
<b>Water Depth:</b>	0.00 m	<b>Overburden Depth:</b>	18.00 m
<b>Level:</b>		<b>Section:</b>	
		<b>Drift:</b>	

# Selwyn Project

## Diamond Drill Log

### Survey Data for Hole

## HCE-047

#### **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 @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.

Fri, Jul 24 --- DS: Drilled from 75-120m. Drilled most of day with some reaming. Survey at 102m. NS: Drilled from 120-153m. Blocky, had to repair pressure pump twice. Survey at 150m.

Sat, Jul 25 --- DS: HCE-048 shut down. Pull rods, casing stuck very bad (tried to recover for 3.5hrs) on able to get 6m back (4XNW casing left in hole and casing shoe). Repair equipment: feul problems, changed filter and water seperator and lift pump. Finish tear down, move drill to HCE-812 (HCE-048), start setup and installed water line. NS: Finished setup of HCE-048, put in 6m casing and drilled to 9m. Knock the crown off at 7.5. Repairs to feul tank and hydraulic hose, 2 anchor rods. Current lithology unknown as core still at drill.

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-80.0	144.0
27.00	-79.4	145.5
51.00	-78.9	146.3
102.00	-76.7	146.5
150.00	-74.8	149.6

# Selwyn Project Diamond Drill Log

Hole Number:  
**HCE-047**

**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	18.00	OVBR	E5574611	17.70	18.00	0.30					
0.6m of cobble followed by 0.3m of planar limestone rubble. Casing to 18m.											
18.00	115.30	ACTM	E5574612	18.00	18.70	0.70					
ACTM – Active Member			E5574613	18.70	20.20	1.50					
<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 &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.</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>			E5574614	20.20	21.70	1.50					
			E5574615	21.70	22.70	1.00					
			E5574616	22.70	23.70	1.00					
			E5574617	23.70	26.80	3.10					
			E5574618	26.80	28.40	1.60					
			E5574619	28.40	29.60	1.20					
			E5574620	29.60	31.10	1.50					
			E5574621	29.60	31.10	1.50					
			E5574622	31.10	32.60	1.50					
			E5574623	32.60	34.10	1.50					
			E5574624	34.10	35.60	1.50					
			E5574625	35.60	37.20	1.60					
			E5574626	37.20	38.70	1.50					
			E5574627	38.70	39.70	1.00					
			E5574628	39.70	40.70	1.00					
			E5574629	40.70	42.00	1.30					
			E5574630	42.00	42.00	0.00					
			E5574631	42.00	45.00	3.00					
			E5574632	45.00	47.40	2.40					
			E5574633	47.40	51.00	3.60					
			E5574634	51.00	52.00	1.00					
			E5574635	52.00	54.00	2.00					
			E5574636	54.00	55.10	1.10					
			E5574637	55.10	56.00	0.90					
			E5574638	56.00	56.80	0.80					
			E5574639	56.80	57.40	0.60					
			E5574640	57.40	57.40	0.00					
			E5574641	57.40	58.10	0.70					
			E5574642	58.10	60.00	1.90					
			E5574643	60.00	61.80	1.80					

# Selwyn Project Diamond Drill Log

Hole Number:  
**HCE-047**

**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%
<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>« 18.00- 18.70 BARREN limestone, massive, 10cm (overall) calcite veins, narrow carbonaceous mudstone interval »</p> <p>« 18.70- 20.20 LOW GRADE (?); carbonaceous « gg » and fine grained rubble at top of interval, followed by mixed limestone and mudstone clasts; odor produced with HCl »</p>			E5574644	61.80	62.80	1.00					
			E5574645	62.80	63.80	1.00					
			E5574646	63.80	64.80	1.00					
			E5574647	64.80	65.60	0.80					
			E5574648	65.60	66.10	0.50					
			E5574649	66.10	67.10	1.00					
			E5574650	67.10	68.10	1.00					
			E5574651	67.10	68.10	1.00					
			E5574652	68.10	69.00	0.90					
			E5574653	69.00	70.50	1.50					
			E5574654	70.50	72.00	1.50					
			E5574655	72.00	73.40	1.40					
			E5574656	73.40	74.90	1.50					
			E5574657	74.90	76.40	1.50					
			E5574658	76.40	77.30	0.90					
			E5574659	77.30	78.20	0.90					
			E5574660	78.20	78.20	0.00					
			E5574661	78.20	79.00	0.80					
			E5574662	79.00	79.70	0.70					
			E5574663	79.70	80.40	0.70					
			E5574664	80.40	81.40	1.00					
			E5574665	81.40	82.80	1.40					
			E5574666	82.80	83.80	1.00					
			E5574667	83.80	84.80	1.00					
			E5574668	84.80	85.80	1.00					
			E5574669	85.80	86.80	1.00					
			E5574670	86.80	86.80	0.00					
			E5574671	86.80	87.80	1.00					
			E5574672	87.80	88.80	1.00					
			E5574673	88.80	89.50	0.70					
			E5574674	89.50	90.40	0.90					
			E5574675	90.40	91.30	0.90					
			E5574676	91.30	92.30	1.00					

# Selwyn Project

  

## Diamond Drill Log

Hole Number:  
**HCE-047**
**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%
« 20.20- 24.70	24.70	BARREN; medium-fine grained massive pale grey limestone ±weak fabric; broken zone »	E5574677	92.30	93.30	1.00					
			E5574678	93.30	94.40	1.10					
			E5574679	94.40	95.40	1.00					
« 24.70- 26.80	26.80	BARREN; 40cm recovery, flakey graphitic clasts and gougey mudstone »	E5574680	95.40	96.40	1.00					
			E5574681	95.40	96.40	1.00					
			E5574682	96.40	97.30	0.90					
« 26.80- 28.40	28.40	BARREN; laminated coarse limestone »	E5574683	97.30	98.20	0.90					
			E5574684	98.20	99.00	0.80					
			E5574685	99.00	100.00	1.00					
« 28.40- 29.60	29.60	BARREN; micritic massive limestone »	E5574686	100.00	100.90	0.90					
			E5574687	100.90	102.00	1.10					
			E5574688	102.00	103.00	1.00					
« 29.60- 36.90	36.90	BARREN; massive medium grey limestone, thin calcite veining (<5%); fractured region »	E5574689	103.00	104.00	1.00					
			E5574690	104.00	104.00	0.00					
			E5574691	104.00	105.00	1.00					
« 36.90- 47.40	47.40	LOW GRADE; FLT region, low angle vuggy calcite-barite crystal veins (near parallel TCA to oblique) cut carbonaceous limestone, frequent regions of cemented gg healed breccia and re-opened RZ±gg in graphitic mudstone regions; no visible mineralization »	E5574692	105.00	106.00	1.00					
			E5574693	106.00	107.00	1.00					
			E5574694	107.00	107.80	0.80					
« 47.40- 56.80	56.80	MODERATE GRADE; FLT and rubble zone with angular clasts and localized cemented-gg-calcite healed breccia, calcite veining with suspended angular mudstone clasts; intact core with low angle laminations that often run near-parallel TCA. Elevated grade from 55.1-56.8m defined by fine grained disseminated sphaleritic laminations that have weathered texture (pitted/ low cohesion) graphitic alignment planes »	E5574695	107.80	108.60	0.80					
			E5574696	108.60	109.40	0.80					
			E5574697	109.40	110.30	0.90					
« 56.80- 57.40	57.40	BARREN; massive limestone »	E5574698	110.30	111.20	0.90					
			E5574699	111.20	112.10	0.90					
			E5574700	112.10	112.10	0.00					
« 57.40- 61.80	61.80	MODERATE GRADE; jointed+rubbled with preserved limestone, low angle open fractures parallel to mineralized laminations, rubble is variably mineralized; locally very weathered appearance. »	E5574701	112.10	113.10	1.00					
			E5574702	113.10	114.30	1.20					
			E5574703	114.30	115.30	1.00					
« 61.80- 66.10	66.10	HIGH GRADE; calcareous limestone; mainly disseminated mineralization, laminations run near-parallel TCA. Secondary galena. RZ- very broken and jointed region »									

# Selwyn Project Diamond Drill Log

Hole Number:  
**HCE-047**

**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%
		« 66.10- 69.00 MODERATE GRADE; calcareous limestone, low angle faint laminations (and joints that follow same orientation), frequent rubble »									
		« 69.00- 78.20 BARREN; massive limestone, rubble »									
		« 78.20- 79.70 HIGH GRADE; silicified limestone, weakly calcareous, disseminated sphalerite and thick dark grey spaleritic bands+fluid escape structures with anastamosing nature and secondary galena; laminations are low angle <20° TCA »									
		« 79.70- 81.40 LOW-MODERATE GRADE; silicified limestone, fabric defined anastamosing healed microfaults, variably calcareous, galena "sparkles"; broken/rubble present »									
		« 81.40- 82.80 MODERATE-HIGH GRADE; calcareous limestone, silicified high grade massive regions, very sheared and mineralized structures »									
		« 82.80- 87.80 MODERATE GRADE, calcareous limestone with trace-high grade mineralization and several narrow ~20cm mudstone intervals; calcareous, strongly laminated, »									
		« 87.80- 91.30 HIGH GRADE; non-weakly calcareous, carbonaceous medium-dark grey mudstone with low angle laminations and shear structures (near parallel TCA), secondary sphalerite and galena; massive mineralization and calcite overprinting »									
		« 91.30- 96.40 TRACE; massive limestone, 5-10% calcite veining, vuggy±barite crystalization »									
		« 96.40- 98.20 HIGH GRADE; weakly calcareous silicified limestone that is massive to faintly laminated (low grade) and cut by high grade fine grained sphalerite structures (mm-5mm wide) and secondary fine grained galena and orange sphalerite crystals »									
		« 98.20- 100.90 BARREN-TRACE; limestone; massive ± faint laminations,									

# Selwyn Project Diamond Drill Log

Hole Number:  
**HCE-047**

**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%
		<p><i>minor mineralized bands &lt;10cm wide »</i></p> <p>« 100.90- 109.40 MODERATE GRADE; intercalated dark grey calcareous mudstone and less mineralized massive limestone; moderately laminated and banded at low angles TCA with deformation and sheath folds/structures. Abundant galena (veins/stringers, infill) »</p> <p>« 109.40- 113.10 LOW GRADE; massive calcareous limestone, minor calcite veinlets, disseminated mineralization is variable »</p> <p>« 113.10- 114.30 HIGH GRADE; carbonaceous graphitic mudstone, jointed and rubble, dark grey-black mudstone jointed and rubble, disseminated fine grained sphalerite (dominantly pervasive mineralization) with minor low angle TCA laminations »</p> <p>« 114.30- 115.30 HIGH GRADE, medium grey limestone, disseminated fine grained sphalerite, crackle stylolitic fractures, massive mineralization and with localized highly deformed laminations (near parallel TCA), graphitic slickenlines along open fractures »</p>									
<b>115.30</b>	<b>154.10</b>	<b>CCMS</b>	E5574704	115.30	117.00	1.70					
		CCMS – Calcareous Mudstone	E5574705	117.00	118.00	1.00					
		<p><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></p> <p>« lm ca 5.00-10.00mm », « nodules py -3.00% 2.00-20.00mm »,</p> <p>« 115.30- 117.20 graphitic joint zone, local rubble 46°»</p> <p>« 117.80- 120.50 rubble with abundant calcite veins+stringers (~10%) 49°»</p>									





Hole Number:  
**HCE-047**

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

Printed on: 2015/11/17