

<b>Hole No.:</b> HCE-055	<b>Depth:</b> 229.00 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 62
<b>Mining District:</b>	Selwyn Basin	<b>Grant Number:</b>	YB49426
<b>Province/Territory:</b>	Yukon		
<b>UTM Co-Ordinates &amp; Altitude of Drill Hole Collar:</b>			
<b>UTM Easting:</b>	483463.88 m	<b>True Azimuth:</b>	0.0 °
<b>UTM Northing:</b>	6931029.56 m	<b>Hole Angle:</b>	-70.0 °
<b>Elevation (m):</b>	1234.82 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>	19-Aug-15
		<b>Date Finish:</b>	22-Aug-15
<b>Diamond Drill Core:</b>			
<b>Logged By:</b>	EH	<b>Date Logging Start:</b>	29-Aug-15
		<b>Date Finish:</b>	30-Aug-15
<b>Legend for Core Logging Codes:</b> PAX			
<b>Core Size:</b>	NQ3	<b>Cemented:</b>	No
<b>Casing Depth:</b>	10.40 m	<b>Casing Pulled:</b>	Yes
<b>Water Depth:</b>	0.00 m	<b>Overburden Depth:</b>	10.40 m
<b>Level:</b>		<b>Section:</b>	
		<b>Drift:</b>	

# Selwyn Project

## Diamond Drill Log

### Survey Data for Hole

# HCE-055

#### Hole Comments:

Wed, Aug 19 --- DS: Standby for pad to be built. Completed at ~5:30, minor standby for helicopter to be mobilized to start move. Setup on pad HCE-830 to drill HCE-055. NS: Setup of drill continued, drilled to depth of 15m with 9m of casing. Current lithology unknown as core is at drill.

=====  
Thu, Aug 20 --- DS: Drilled 66m down to 81m depth, minor conditioning of hole, had to pull rods for bit change and lower back down. Took reflex tests at 21m, 51m. Nightshift, no major issues, drilled 57m down to 138.0m total depth. Have observed core down to 63.0m in FLMD. Will get remainder of core flown out to road this morning.

=====  
Fri, Aug 21 --- DS: Drilled 42m down to 180m. Blocky ground, had to pull rods due to core in barrel and lower back down. Minor conditioning hole. Reflex at 150m. NS: In a big fault all night, very blocky, pulled tubes like crazy due to large amount of 'clay seams' intersected. Reflex at 207m. Drilled 27m down to 207m. Currently in a faulted mudstone, intersected ACTM from 145.6m-192.0m, then have been in that fault ever since. Will inspect later this morning to see if we've exited from the fault.

=====  
Sat, Aug 22 ---

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-70.0	0.0
51.00	-70.5	1.4
102.00	-70.8	3.2
150.00	-70.2	4.3
207.00	-69.9	6.0

# Selwyn Project Diamond Drill Log

Hole Number:  
**HCE-055**

**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	10.40	<b>OVBR</b>									
<p>« 0.00- 9.00 No core was recovered »</p> <p>« 9.00- 10.40 Without fine sediment but several pieces of allochthonous pebbles »</p>											
10.40	77.90	<b>FLMD</b>									
<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>« 10.40- 77.80 Flaggy bioturbations are nearly parallel with the core axis; with shear sense deformations of such as echelon calcite arrays; orientated pressure shadowed pyrite porphyroblasts; L-tectonite; barite alteration and anomalous Zn up to 0.15% Zn by Niton. For the anomalous Zn on the near surface oxidization zone: previously it was interpreted as a product of glaciation, which does not completely convince me. From the nearly one and half years' logging, I found that the Zn anomalous values in the oxidization zone in either « FLMD » or in « USMS » are not random, but probably related to the underneath « ACTM »; without « ACTM », no anomalous Zn was detected in the oxidization zone. I think that the fracture fillings geochemical survey should/could/would be considered as a pathfinder for shallow buried « ACTM »; if this survey does not work, then soil geochemical survey would even be worse to use »</i></p>											
77.90	132.60	<b>USMS</b>									
<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</i></p>											

# Selwyn Project Diamond Drill Log

Hole Number:  
**HCE-055**

**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>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% »,</p> <p>« 77.90- 82.50 USMS with « CCMS » style lithology, without higher and lower contexts, logging could be tricky »</p> <p>« 82.50- 132.60 High strain zone with shear sense deformations »</p> <p>« @ 121.70 Quartz barite vein with minor Ni and Mn anomalous values »</p> <p>« 95.40- 100.00 A tectonic melange, mylonitized, sheared, a scrumpled USMS lithology, graphitic »</p> <p>« 104.10- 108.40 Barite alteration with Zn anomaly up to 0.25% Zn by Niton »</p> <p>« 116.70- 123.00 FLT with shear zone <math>\alpha=38^\circ</math> TCA, mior fault gouge; low coheisve strength; mylonitized; graphitic steplike slickensides with barite alteration »</p>									
<b>132.60</b>	<b>145.50</b>	<b>FLT</b>	E5575910	139.40	141.00	1.60					
		« 132.60- 145.50 FLT - a shear zone with abundant calcite veins, graphitic slickenside $\alpha=49^\circ$ TCA; no cohesive strength; rubble; broken; mylonitized; anastomosed/stockworked; most likely faulted the upper ACTM out; with high Zn ACTM fragments in the FLT zone; locally barite altered »	E5575911	141.00	142.00	1.00					
			E5575912	142.00	145.50	3.50					
<b>145.50</b>	<b>192.10</b>	<b>ACTM</b>	E5575913	145.50	146.20	0.70					
		<p>ACTM – Active Member</p> <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</p>	E5575914	146.20	146.90	0.70					
			E5575915	146.90	147.40	0.50					
			E5575916	147.40	148.40	1.00					
			E5575917	148.40	149.60	1.20					
			E5575918	149.60	150.60	1.00					
			E5575919	150.60	151.10	0.50					

# Selwyn Project Diamond Drill Log

Hole Number:  
**HCE-055**

**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%
		heterogeneity, the member is distinctive and easily identified.	E5575920	151.10	152.10	1.00					
		=====	E5575921	151.10	152.10	1.00					
		The ACTM has 8 different facies:	E5575922	152.10	152.50	0.40					
		=====	E5575923	152.50	153.00	0.50					
		- GREY CHERT FACIES: Consists of laminated medium light grey to medium dark grey chert. Mineralization: 95-99% quartz and up to 5% secondary calcite.	E5575924	153.00	153.50	0.50					
			E5575925	153.50	154.20	0.70					
			E5575926	154.20	154.80	0.60					
			E5575927	154.80	155.50	0.70					
			E5575928	155.50	156.00	0.50					
		- 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.	E5575929	156.00	157.00	1.00					
			E5575930	157.00	157.00	0.00					
			E5575931	157.00	159.10	2.10					
			E5575932	159.10	159.50	0.40					
			E5575933	159.50	160.50	1.00					
			E5575934	160.50	161.50	1.00					
			E5575935	161.50	162.50	1.00					
			E5575936	162.50	164.00	1.50					
			E5575937	164.00	165.00	1.00					
		- 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.	E5575938	165.00	165.70	0.70					
			E5575939	165.70	166.80	1.10					
			E5575940	166.80	166.80	0.00					
			E5575941	166.80	168.00	1.20					
		- CHERTY MUDSTONE FACIES: Consists of a greyish black monotonous siliceous, carbonaceous mudstone. It is most typically found overlying the thin bedded calcareous mudstone facies.	E5575942	168.00	169.30	1.30					
			E5575943	169.30	170.00	0.70					
			E5575944	170.00	171.10	1.10					
			E5575945	171.10	172.10	1.00					
		- 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.	E5575946	172.10	172.70	0.60					
			E5575947	172.70	173.70	1.00					
			E5575948	173.70	174.70	1.00					
			E5575949	174.70	175.30	0.60					
			E5575950	175.30	176.30	1.00					
		- CALCAREOUS MUDSTONE FACIES: Consists of grey to greyish black monotonous, calcareous siliceous carbonaceous mudstone. There are no feathery calcite beds	E5575951	175.30	176.30	1.00					
			E5575952	176.30	177.00	0.70					

# Selwyn Project Diamond Drill Log

Hole Number:  
**HCE-055**

**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%
		or pyrite-calcite blebs in the facies, making it easily distinguishable from the CCMS.	E5575953	177.00	178.00	1.00					
			E5575954	178.00	179.00	1.00					
			E5575955	179.00	180.00	1.00					
		- 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.	E5575956	180.00	181.00	1.00					
			E5575957	181.00	183.10	2.10					
			E5575958	183.10	183.90	0.80					
			E5575959	183.90	184.90	1.00					
		- 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.	E5575960	184.90	184.90	0.00					
			E5575961	184.90	186.00	1.10					
			E5575962	186.00	187.00	1.00					
			E5575963	187.00	188.10	1.10					
		- 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.	E5575964	188.10	189.40	1.30					
			E5575965	189.40	191.20	1.80					
			E5575966	191.20	192.10	0.90					
		« 145.50- 146.20 TRACE TO LOW GRADE. Crackle breccia with micritic limestone fragments cemented by calcite vein, locally vuggy, calcite drusy crystals; minor disseminated Zn; some galena filling in foliaitons as hydrothermal veins with barite and calcite»									
		« 146.20- 146.90 LOW TO MODERATE GRADE. FLT with no coheisve strength; fault gouge; core loss; high Zn fragments; fine material washed out, seemingly somehow affecting the Zn grade because a lot Zn as powder filling in foliaitons »									
		« 146.90- 148.40 LOW GRADE. Locally brecciated, locally veined, locally shear sense deformed, massive micritic limestone, unaltered »									
		« 148.40- 149.60 LOW GRADE. FLT gouge of black mudstone and limestone fragments »									

# Selwyn Project Diamond Drill Log

Hole Number:  
**HCE-055**

**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%
		« 149.60- 151.10 LOW GRADE. Crackle breccia vuggy, unaltered micritic limestone with wide-spaced Zn laminae, drusy calcite crystals; barite altered, Zn also as black powdery material filling foliations»									
		« 151.10- 152.50 LOW TO GRADE. Moderately silicified micritic limestone with patchy high Zn laminae and galena stringers, also with minor disseminated Zn »									
		« 152.50- 153.00 HIGH GRADE. Sedex ore, deformed, with sphalerite filled in water escape structures in silica flooded micritic limestone »									
		« 153.00- 153.50 LOW GRADE. Unaltered masive sparry limestone with disseminated Zn: low to moderate grade but huge bulk volume disseminated Zn in limestone could make Sedex Zn potentially into a porphyry style Zn-Pb mineralization system, therefore the dissemination Zn should be given more study. »									
		« 153.50- 155.50 LOW TO MODERATE GRADE. Weak Sedex sphalerite in siliceous mudstone, strongly broken or faulted, as well as in some micritic limestone »									
		« 155.50- 159.10 TRACE TO LOW GRADE. Graded sparry limestone lacks Sedex Zn, there is a FLT around 159 m so one meter core loss »									
		« 159.10- 162.50 TRACE TO LOW GRADE. Massive micritic limestone without much visible Sedex Zn but with minor disseminated Zn; @161.3 8 cm of Zn laminae »									
		« 162.50- 165.00 TRACE. Massive USMS style lithology with sparse Zn laminae »									
		« 165.00- 165.70 LOW GRADE. Wide-spaced Sedex Zn laminae in silty mudstone »									
		« 165.70- 168.00 TRACE. Deformed massive graded sparry limestone »									

# Selwyn Project Diamond Drill Log

Hole Number:  
**HCE-055**

**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>« 168.00- 169.30 TRACE TO LOW GRADED. Black mudstone on top of micritic limestone, minor Zn laminae in the former »</p> <p>« 169.30- 171.10 TRACE. Strongly foliated mudstone without much Zn but with strong barite alteration »</p> <p>« 171.10- 172.10 LOW TO MODERATE GRADE. Calcite quartz veined FLT breccia of Sedex Zn mineralized mudstone and limestone »</p> <p>« 172.10- 174.70 TRACE TO LOW GRADE. Disseminated Zn in massive sparry limestone, unaltered »</p> <p>« 174.70- 176.30 TRACE. Graphitic massive mudstone and micritic limestone in a FLT »</p> <p>« 176.30- 183.10 TRACE TO LOW GRADE. FLT damage zone in massive USMS style lithology with minor sparse Sedex Zn laminae, core loss »</p> <p>« 183.10- 184.90 TRACE. Veined crackled micritic limestone in a FLT breccia, barite altered »</p> <p>« 184.90- 191.20 TRACE. FLT with fault gouge; core loss; no cohesive strength; no alteration nor mineralization; <math>\alpha=46^\circ</math> TCA, strongly graphitic »</p> <p>« 191.20- 192.10 BARREN. Unaltered basal micritic limestone »</p>											
<b>192.10</b>	<b>229.00</b>	<b>CCMS</b>	E5575967	192.10	193.20	1.10					
CCMS – Calcareous Mudstone			E5575968	193.20	194.20	1.00					
			E5575969	194.20	194.20	0.00					
<p>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).</p>											

# Selwyn Project Diamond Drill Log

Hole Number:  
**HCE-055**

**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>« lm ca 5.00-10.00mm », « nodules py -3.00% 2.00-20.00mm »,</p> <p>« 192.10- 198.70 FLT damage zone with broken core, fault gouge; no to low cohesive strength; no visible mineralization; <math>\alpha=50^\circ</math> TCA, controlled by foliation domain »</p> <p>« 198.70- 205.90 FLT central zone with fault gouge, core loss; no cohesive strength; nor alteration, nor veining, nor mineralization »</p> <p>« 205.90- 226.90 Foliation cleavage domain in which CCMS has been strongly foliated, locally mylonitized, foliation orientation <math>\alpha=38^\circ</math> TCA; cleavage orientation <math>\alpha=\text{nearly } 0^\circ</math> TCA; deformed calcite bands = <math>90^\circ</math> TCA »</p> <p>« 226.90- 229.00 FLT damage zone with broken core, low cohesive strength; <math>\alpha=51^\circ</math> no mineralization nor alteration »</p>									
<b>229.00</b>	<b>229.00</b>	<b>EOH</b>									