

<b>Hole No.:</b> HCE-034	<b>Depth:</b> 159.00 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>	DON 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>	483161.81 m	<b>True Azimuth:</b>	7.0 °
<b>UTM Northing:</b>	6931074.52 m	<b>Hole Angle:</b>	-55.0 °
<b>Elevation (m):</b>	1219.72 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>	NL-04	<b>Date Drilling Start:</b>	02-Jul-15
		<b>Date Finish:</b>	07-Jul-15
<b>Diamond Drill Core:</b>			
<b>Logged By:</b>	EH	<b>Date Logging Start:</b>	04-Jul-15
		<b>Date Finish:</b>	08-Jul-15
<b>Legend for Core Logging Codes:</b> PAX			
<b>Core Size:</b>	HQ3	<b>Cemented:</b>	Yes
<b>Casing Depth:</b>	20.90 m	<b>Casing Pulled:</b>	Yes
<b>Water Depth:</b>	0.00 m	<b>Overburden Depth:</b>	20.90 m
<b>Level:</b>		<b>Section:</b>	
		<b>Drift:</b>	

# Selwyn Project

## Diamond Drill Log

### Survey Data for Hole

# HCE-034

#### **Hole Comments:**

Thu, Jul 02 --- DS: Complete hole at depth of 159m in CCMS. Pull rods and remove core barrel, lower rods with shoe and casing advancer, lower plastic pipe to bottom, pull HQ rods. Tear down rig and start sliding her around to reorient North (005°) to drill HCE-SRK-03 to drill HCE-034 NS: Finish spinning drill, align drill, setup shack, install anchor, start casing, start coring. Problems with anchor. Drilled to depth of 9m in overburden. Current lithology unknown.

Fri, Jul 03 --- DS: Run casing to 12m, drilling to 18m. Run PQ rod for casing from 3m to 12 m. Tough going, pull out PQ, change shoe and start going back down. Start going down with new PQ shoe bit, hole tight, lots of sand and clay from caving. NS: Ream PQ casing from 9m to 18m. Reaming and washing sand and clay using heavy mud. Got casing to 18m, pull back 9m and ream back to bottom. Put in HQ down hole and drilled out shoe bit. Restarted coring! Used one pail number 1, one pail gold, one pail blue. Down to 30m in unknown lithology (core still at drill)

Sat, Jul 04 --- DS: Drilled 33m down to depth of 63m. Used one pail vegetable oil, one pail #1, 1 pail blue, 1 pail gold. Bullied rods for bit change at end of shift at 6:00AM. NS: Drilled to 75m, setup and started air lift test. Very broken rock from 63-75m. Put new bit down hole at 63m and reamed 30m to bottom. Current depth of 75m in USMS or ACTM (drill geologist said they observed mineralization, but have not seen core as of yet)

Sun, Jul 05 --- DS: Drilled 21m down to 96m depth. Drilled in fault all day. Used 1 550, 1 bottle of vegetable oil. Standby for fog for 3 hours until could be mobilized to drill. NS: Drilled 24m down to 120m. Stopped at 2:30am and pull back 14 rods, flushed hole and setup for packer test, put rods back to bottom. Very faulted and broken rock. Current lithology unknown as core is now being flown to road and driven back to camp.

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-55.0	7.0
33.00	-53.8	7.9
84.00	-52.9	6.6
135.00	-52.2	6.9
159.00	-51.9	7.2

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Hole Number:  
**HCE-034**

**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	20.90	OVBR									
« 0.00- 4.10 No core was recovered »											
« 4.10- 20.90 Allochthonous sediment, poorly sorted, subangular to angular, loose, possibly from glaciation (?) »											
20.90	75.00	USMS	E5573410	72.60	74.00	1.40					
USMS – Upper Siliceous Mudstone			E5573411	74.00	75.00	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% »,  « 20.90- 75.00 Dextral shear sense deformation zone comprising asymmetric folded calcite veins cross cut by calcite filled cleavages, locally with L-tectonite and rotated pyrite porphyroblasts»  « @ 33.30 Dextral shear sensed folded calcite vein a=50° TCA cut by cleavages a=31° TCA, with calcite shadowed pyrite porphyroblasts »  « 27.00- 30.00 FLT with minor fault gouge and abundant broken pieces, low cohesive strength; parallel with foliations; locally with healed fult breccia »  « 30.00- 33.00 FLT - healed fault breccia with shear sense deformation, stretched porphyroblasts and L-tectonite; graphitic slickensides; recrystallized limestone »  « 40.60- 44.50 FLT with abundant fault gouge and broken pieces; no cohesive strenth; heavy calcite veining in limestone; possible a=24° TCA; overprinting an existing healed fault breccia »											

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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%
		« 60.20- 75.00 FLT with fault gouge; no cohesive strength; not parallel with foliation; no visible alteration with weak Zn mineralization though. The fault possibly dips 45° to southwest »									
<b>75.00</b>	<b>75.80</b>	<b>FLT</b>	E5573412	75.00	75.80	0.80					
		« 75.00- 75.80 FLT with fault gouge; no coheisve strength; not parallel with foliations; having made the upper ACTM faulted out; with 5% Zn fault fragments; The barite quartz breccia, the indicator of top « ACTM » was truncated out. This fault has not brought alteration and mineralization up into the system, but just destroyed the top ACTM »									
<b>75.80</b>	<b>108.10</b>	<b>ACTM</b>	E5573413	75.80	76.10	0.30					
		ACTM – Active Member	E5573414	76.10	76.80	0.70					
			E5573415	76.80	77.50	0.70					
		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.	E5573416	77.50	78.10	0.60					
			E5573417	78.10	78.60	0.50					
			E5573418	78.60	79.40	0.80					
			E5573419	79.40	79.90	0.50					
			E5573420	79.90	80.30	0.40					
			E5573421	79.90	80.30	0.40					
		=====	E5573422	80.30	81.40	1.10					
		The ACTM has 8 different facies:	E5573423	81.40	83.20	1.80					
		=====	E5573424	83.20	84.30	1.10					
			E5573425	84.30	84.80	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.	E5573426	84.80	86.10	1.30					
			E5573427	86.10	87.30	1.20					
			E5573428	87.30	88.40	1.10					
		- WHITISH GREY ZN-PB MUDSTONE FACIES: Is a laminated cherty rock containing up	E5573429	88.40	89.60	1.20					
		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	E5573430	89.60	89.60	0.00					
		containing massive sphalerite and galena with minor pyrite. They range in width from 0.5 to 10mm.	E5573431	89.60	90.00	0.40					
			E5573432	90.00	90.70	0.70					
			E5573433	90.70	91.70	1.00					
			E5573434	91.70	92.70	1.00					
			E5573435	92.70	93.70	1.00					
			E5573436	93.70	94.70	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>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></p> <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>			E5573437	94.70	95.70	1.00					
			E5573438	95.70	96.70	1.00					
			E5573439	96.70	98.00	1.30					
			E5573440	98.00	98.00	0.00					
			E5573441	98.00	99.00	1.00					
			E5573442	99.00	100.10	1.10					
			E5573443	100.10	101.20	1.10					
			E5573444	101.20	102.20	1.00					
			E5573445	102.20	103.50	1.30					
			E5573446	103.50	104.80	1.30					
			E5573447	104.80	105.70	0.90					
			E5573448	105.70	106.90	1.20					
			E5573449	106.90	108.10	1.20					

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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%
		« 75.80- 78.10 LOW TO MODERATE GRADE. Foliated, highly silica flooded, barite overprinted, moderately laminated sparry limestone »									
		« 78.10- 79.40 LOW GRADE. Moderate to strongly silicified sparry limestone and micritic limestone intercalated, overprinted by sphalerite veinlets »									
		« 79.40- 79.90 LOW TO MODERATE GRADE. FLT with fault gouge and fault breccia - a late fault after mineralization »									
		« 79.90- 80.30 LOW TO MODERATE GRADE. Silicified, Sedex Zn mineralized sparry limestone overprinted by sphalerite and galena veinlets »									
		« 80.30- 81.40 LOW TO MODERATE GRADE. FLT with broken pieces; low cohesive strength; not parallel with the foliation; locally with extensional features »									
		« 81.40- 84.30 MODERATE TO HIGH GRADE. Pb-Zn feeder zone (?) - silica barite altered, vuggy, hydrothermal breccia with angular to subangular fragments, strong leaching features, but silver content is low »									
		« 84.30- 86.10 TRACE TO LOW GRADE. FLT, reactivated, fault gouge, broken pieces; low cohesive strength; not parallel with the foliation »									
		« 86.10- 88.40 MODERATE GRADE. Silica flooded, barite-galena overprinted, moderately laminated sparry limestone with up to 7mm wide barite veining »									
		« 88.40- 89.60 MODERATE GRADE. Weakly silicified Sedex Zn mineralized sparry limestone, ductile deformed »									
		« 89.60- 90.00 MODERATE GRADE. SRK sample - SRK-UCS-HCC-34-01. »									
		« 90.00- 96.70 LOW TO MODERATE GRADE. Weakly silicified, however Sedex									

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		<p><i>Zn mineralized sparry limestone with asymmetric micro-folds ‹ @ 90.90 fault breccia dipping 39° to south southwest › »</i></p> <p><i>« 96.70- 100.10 TRACE. Massive USMS style lithology without lamination lacking mineralization »</i></p> <p><i>« 100.10- 105.70 FLT with fault gouge; no cohesive strength; not parallel with foliations; late faulting after mineralization; with shear sense deformation with barite veining but lacking Zn »</i></p> <p><i>« 105.70- 108.10 BARREN. Basal micritic limestone, no alteration, no mineralization, no lamination »</i></p>									
108.10	159.00	CCMS	E5573450	108.10	109.10	1.00					
		CCMS – Calcareous Mudstone	E5573451	108.10	109.10	1.00					
			E5573452	109.10	110.10	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><i>« lm ca 5.00-10.00mm », « nodules py -3.00% 2.00-20.00mm »,</i></p> <p><i>‹ @ 115.80 Cleavage dips 39° to south southwest; foliation 1 dips 52° to 60° (northeast); foliation 2 dips 68° to 41° (north northeast) ›</i></p> <p><i>‹ @ 111.70 Stretched L-tectonite, pyrite porphyroblasts filled with calcite ›</i></p> <p><i>‹ @ 116.80 Pyrite calcite bands dip 42° to 78° (northeast) ›</i></p> <p><i>‹ @ 123.90 Cleavages dip 23° to 125° (southeast) ›</i></p> <p><i>« 120.00- 144.60 Foliation cleavage zone »</i></p>									



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