

Hole No.: HCE-059	Depth: 315.60 m	Horizontal Length: 0.00 m	Project: 1710
Location Data:			
Property:	Selwyn Project	Claim Name:	NOD 28
Mining District:	Selwyn Basin	Grant Number:	YB49392
Province/Territory:	Yukon		
UTM Co-Ordinates & Altitude of Drill Hole Collar:			
UTM Easting:	482711.95 m	True Azimuth:	6.0 °
UTM Northing:	6931077.01 m	Hole Angle:	-65.0 °
Elevation (m):	1213.54 m	NTS Name:	No Title
		UTM Datum:	NAD 83
		UTM Grid Zone:	9
		NTS Number:	105I11
Grid Co-Ordinates of Drill Hole Collar:			
Grid Easting (m):	0.00 m	Grid Name:	HP 06
Grid Northing (m):	0.00 m	Grid Type:	100m
Grid Azimuth:	65.0 °		
Dimond Drilling Contract:			
Drilled By:	CYR-01	Date Drilling Start:	31-Aug-15
		Date Finish:	03-Sep-15
Diamond Drill Core:			
Logged By:	EH	Date Logging Start:	01-Sep-15
		Date Finish:	03-Sep-15
Legend for Core Logging Codes: PAX			
Core Size:	NQ3	Cemented:	No
Casing Depth:	31.50 m	Casing Pulled:	Yes
Water Depth:	0.00 m	Overburden Depth:	31.50 m
Level:		Section:	
		Drift:	

Selwyn Project

Diamond Drill Log

Survey Data for Hole

HCE-059

Hole Comments:

Sun, Aug 30 --- DS: Moved to set-up HCE-901 late afternoon after pad construction was complete. NS: Set ~24m of casing through boulders.

Mon, Aug 31 --- DS: Drilled from 30-60m. Reamed casing to 33m and again from 33-45m. Performed reflex tests at 30m and 51m. Replaced bit. NS: Drilled to 120m. Survey at 102m. Current lithology: FLMD at 123m.

Tue, Sep 01 --- DS: Drilled from 120-192m. Reflex survey and changed bit @152m. Conditioned hole for 1hr. NS: Drilled from 192-252m. Reflex at 201m. Good drilling. Current lithology unknown as core still at drill. Last observed the top of USMS at 183m.

Wed, Sep 02 ---DS: Drilled from 192-284m; NS: Drilled from 284-292.6m. Intersected ACTM from 260.6-292.6m. Hole shut down at crew change @315.6m.

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-65.0	6.0
51.00	-65.6	6.9
102.00	-65.8	7.2
152.00	-66.1	7.4
201.00	-67.4	12.4
252.00	-67.7	13.2
300.00	-66.4	15.5
315.00	-66.5	15.7

Selwyn Project Diamond Drill Log

Hole Number:
HCE-059

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	31.50	OVBR									
« 0.00- 12.00 no core »											
« 12.00- 25.70 mostly allochthonous pebbles from glaciation »											
« 25.70- 31.50 mostly autochthonous pebbles and conglomerate »											
31.50	92.00	BSSM									
<i>BSSM – Backside Siliceous Mudstone</i>											
<i>Devonian Siliceous Mudstone – Upper Chert Formation</i>											
<i>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 »,</i>											
<i>« Geochemically barite (sulphate) domain, structurally shear sense echelon array domain. For sedex ZN, sulphate is necessary but too late in time. A deep ocean reduced enviroment is required to produce H2S for sphalerite and galena »</i>											
<i>« 56.50- 62.40 FLT; strong barite alteration, rubble, fine grained, no cohesion strength »</i>											
<i>« 83.60- 92.00 FLT: shear zone, low cohesion strength, mylonitized, barite altered; a=18° TCA, minor Zn (100ppm) »</i>											
92.00	180.80	FLMD									
<i>FLMD – Flaggy Mudstone Formation</i>											
<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</i>											

Selwyn Project

Diamond Drill Log

Hole Number:
HCE-059

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%
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 »,											
« 107.20- 118.20 Barite halo of pale grey FLMD, calcite veins/veinlets »											
« 118.20- 126.00 Shear zone, mylonitized, strong barite alteration; $\alpha=51^\circ$ TCA »											
« @ 158.00 bioturbation orientation 40° TCA »											
« 177.00- 180.80 FLT: fault gouge, rubble, low-no cohesion strength, localized healed breccia and abundant calcite veins »											
180.80	257.70	USMS	E5576260	255.80	256.80	1.00					
USMS – Upper Siliceous Mudstone			E5576261	256.80	257.70	0.90					
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 , 1m chrt -20.00% », « cg xtl sph crns ca 5.00-20.00cm », « bed chrt 10.00-15.00% »,											
« 180.80- 210.30 High strain zone of shear sense deformation »											
« 210.30- 211.00 FLT: healed fault breccia, fault gouge, low cohesive strength, broken shear zone, $\alpha=31^\circ$ TCA, recrystallization of limestone »											
« 210.30- 221.40 FLT: damage zone, broken, low cohesion strength, graphitic fault gouge, mylonitized, $\alpha= 26^\circ$ TCA»											
« @ 228.60 sinistral shear sense »											

Selwyn Project Diamond Drill Log

Hole Number:
HCE-059

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%			
« 240.70- 252.30 FLT: shear zone, fault gouge, broken, low cohesion strength, abundant carbonate+SiO2, foliated and mylonitized »														
257.70	292.60	ACTM	E5576262	257.70	258.30	0.60								
ACTM – Active Member			E5576263	258.30	259.60	1.30								
<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 & 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>			E5576264	259.60	260.70	1.10								
			E5576265	260.70	261.70	1.00								
			E5576266	261.70	262.80	1.10								
			E5576267	262.80	264.00	1.20								
			E5576268	264.00	264.80	0.80								
			E5576269	264.80	265.40	0.60								
			E5576270	265.40	266.00	0.60								
			E5576271	265.40	266.00	0.60								
			E5576272	266.00	267.00	1.00								
			E5576273	267.00	268.00	1.00								
			E5576274	268.00	269.00	1.00								
			E5576275	269.00	270.00	1.00								
			E5576276	270.00	271.00	1.00								
			E5576277	271.00	272.00	1.00								
			E5576278	272.00	272.70	0.70								
			E5576279	272.70	273.80	1.10								
			E5576280	273.80	273.80	0.00								
			E5576281	273.80	274.80	1.00								
			E5576282	274.80	275.80	1.00								
			E5576283	275.80	276.80	1.00								
			E5576284	276.80	277.80	1.00								
			E5576285	277.80	278.80	1.00								
			E5576286	278.80	279.80	1.00								
			E5576287	279.80	280.80	1.00								
			E5576288	280.80	281.80	1.00								
			E5576289	281.80	282.80	1.00								
			E5576290	282.80	282.80	0.00								
			E5576291	282.80	283.70	0.90								
			E5576292	283.70	284.70	1.00								
E5576293	284.70	285.20	0.50											

Selwyn Project Diamond Drill Log

Hole Number:
HCE-059

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>« 257.70- 258.30 TRACE-LOW GRADE; foliated mudstone, black, massive, carbonaceous, localized pyrite bands »</p> <p>« 258.30- 259.60 TRACE; shear zone of mudstone and limestone, minor Zn laminae, core loss »</p> <p>« 259.60- 260.70 TRACE-LOW GRADE; broken FLT breccia with foliated</p>			E5576294	285.20	286.20	1.00					
			E5576295	286.20	287.20	1.00					
			E5576296	287.20	288.20	1.00					
			E5576297	288.20	289.20	1.00					
			E5576298	289.20	290.20	1.00					
			E5576299	290.20	291.40	1.20					
			E5576300	291.40	292.60	1.20					
			E5576301	291.40	292.60	1.20					

Selwyn Project Diamond Drill Log

Hole Number:
HCE-059

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>mudstone; locally silicified & Zn laminated »</i></p> <p>« 260.70- 261.70 TRACE-LOW GRADE; calcite veined unaltered micritic limestone with some sparry limestone »</p> <p>« 261.70- 264.00 MODERATE GRADE; silica flooded mudstone and micritic limestone »</p> <p>« 264.00- 264.80 MODERATE-HIGH grade; unaltered massive sparry limestone with disseminated Zn »</p> <p>« 264.80- 266.00 MODERATE-HIGH GRADE; silica flooded structural melange of disseminated Zn and sedex Zn, locally brecciated with galena veinlets »</p> <p>« 266.00- 272.70 MODERATE-HIGH GRADE; massive sparry/micritic limestone with abundant disseminated Zn »</p> <p>« 272.70- 277.80 MODERATE-HIGH GRADE; sinistral shear sense deformed, Zn-replaced, Zn disseminated, silicified micritic/sparry limestone with stylolites, water escape structures with sphalerite »</p> <p>« 277.80- 281.80 LOW-MODERATE GRADE; massive micritic/sparry limestone with disseminated Zn locally high Zn-Pb shear sense deformed, locally mylonitized »</p> <p>« 281.80- 283.70 HIGH GRADE; Zn-replaced, Zn disseminated, Zn overprinted, silica flooded, micritic/sparry limestone »</p> <p>« 283.70- 284.70 HIGH GRADE; sedex Zn and disseminated Zn in silica flooded deformed micritic limestone »</p> <p>« 284.70- 286.20 TRACE-LOW GRADE; unaltered muddy micritic limestone »</p> <p>« 286.20- 287.20 LOW GRADE; locally MODERATE grade, silicified sedex Zn, laminated sedimentary melange of mudstone and micritic limestone »</p>									

Selwyn Project Diamond Drill Log

Hole Number:
HCE-059

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%
		« 287.20- 288.20 TRACE-LOW GRADE; unaltered muddy micritic limestone with minor disseminated Zn »									
		« 288.20- 290.20 LOW-MODERATE GRADE; sedex Zn laminated, Zn disseminated, silicified deformed micritic limestone »									
		« 290.20- 292.60 TRACE-BARREN; locally mylonitized foliated basal micritic limestone; from 291.0-292.6: shear zone mylonitized $\alpha=20^\circ$ »									
292.60	315.60	CCMS	E5576302	292.60	294.00	1.40					
		CCMS – Calcareous Mudstone	E5576303	294.00	295.00	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).									
		« lm ca 5.00-10.00mm », « nodules py -3.00% 2.00-20.00mm »,									
		« 292.60- 295.00 FLT: Shear zone, healed fault breccia, quartz-calcite cemented mylonitized FLT breccia, fault gouge rubble, no cohesion strength, no Zn; $\alpha= 30^\circ$ TCA»									
		« 312.00- 313.60 FLT: foliation-cleavage domain controlled fault, minor fault gouge, broken, low cohesion strength, no Zn; $\alpha= 40^\circ$ TCA»									
		« @ 315.20 sinistral shear sense deformation; $\alpha= 28^\circ$ TCA»									
315.60	315.60	EOH									