

Hole No.: HCE-042	Depth: 210.00 m	Horizontal Length: 0.00 m	Project: 1710
Location Data:			
Property:	Selwyn Project	Claim Name:	NOD 61
Mining District:	Selwyn Basin	Grant Number:	YB49425
Province/Territory:	Yukon		
UTM Co-Ordinates & Altitude of Drill Hole Collar:			
UTM Easting:	483232.88 m	True Azimuth:	80.0 °
UTM Northing:	6931105.84 m	Hole Angle:	-89.0 °
Elevation (m):	1209.25 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:	NL-03	Date Drilling Start:	10-Jul-15
		Date Finish:	15-Jul-15
Diamond Drill Core:			
Logged By:	EH	Date Logging Start:	13-Jul-15
		Date Finish:	16-Jul-15
Legend for Core Logging Codes: PAX			
Core Size:	NQ3	Cemented:	No
Casing Depth:	6.10 m	Casing Pulled:	Yes
Water Depth:	0.00 m	Overburden Depth:	6.10 m
Level:		Section:	
		Drift:	

Selwyn Project

Diamond Drill Log

Survey Data for Hole

HCE-042

Hole Comments:

Fri, Jul 10 --- DS: Drilled most of the shift on HCE-040 (HCE-820), lots of broken ground, could not advance, pulled rods to check bit, 2 hours standby waiting for geos to see the core. Drilled until end of shift. EOH at 121.7m in CCMS. NS: Tested HCE-040 at 120m. Steepened up hole to -90° to drill HCE-042 (HCE-810). Drilled 90m in USMS.

=====
Mon, Jul 13 --- DS: End of hole survey on HCE-043 (HCE-819). Shut down at 75m in CCMS. Tear down move and setup back on HCE-810 to re-enter hole HCE-042. Successful re-case, re-entry and got back to bottom. NS: Bit change at 159m, had to ream rods back to down to bottom. Drilled 51m down to 210m depth. Shut down in CCMS. Intersected second active member from 138-171.7m. Plan is to re-enter -55° hole HCE-040 to test potential second active member there.

=====
Tue, Jul 14 --- DS: Completed HCE-042 at 210m. Pull out and realign to -55°, recase and ream back to bottom, start drilling. Drilled 28m down to 150m depth. Still in fault. NS: Test at 150m, bad recovery, drilled down to 171m, standby for EOH call. Still in fault, haven't seen core yet. Instructed dayshift to go down to 180m.

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-89.0	80.0
15.00	-89.3	96.3
51.00	-89.6	111.0
90.00	-89.8	321.4
159.00	-89.6	143.1
210.00	-88.1	119.8

Selwyn Project Diamond Drill Log

Hole Number:
HCE-042

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	6.10	OVBR									
« No core recovered except for one piece of allochthonous pebble »											
6.10	105.60	USMS	E5573860	102.70	103.70	1.00					
USMS – Upper Siliceous Mudstone			E5573861	103.70	104.70	1.00					
<p>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% »,</p> <p>« 6.10- 105.60 A high strain zone with strong shear sensed deformations; mostly ductile stretching; S-C fabrics; dextral displacement and movement; recrystallization of limestone in shear zone »</p> <p>« 100.20- 101.00 FLT with fault gouge; no cohesive strength; not parallel to S1; core loss; seemingly a normal fault »</p> <p>« 101.00- 105.60 Localized calcite quartz breccia, shear sensed »</p>			E5573862	104.70	105.60	0.90					
105.60	130.00	ACTM	E5573863	105.60	106.60	1.00					
ACTM – Active Member			E5573864	106.60	107.70	1.10					
<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</p>			E5573865	107.70	108.60	0.90					
			E5573866	108.60	109.30	0.70					
			E5573867	109.30	110.40	1.10					
			E5573868	110.40	111.00	0.60					
			E5573869	111.00	111.70	0.70					
			E5573870	111.70	113.00	1.30					
			E5573871	111.70	113.00	1.30					
			E5573872	113.00	114.00	1.00					
			E5573873	114.00	114.60	0.60					
			E5573874	114.60	115.10	0.50					
			E5573875	115.10	116.00	0.90					
			E5573876	116.00	116.50	0.50					

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#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>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> <p>- 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.</p> <p>- 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.</p> <p>- 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.</p>			E5573877	116.50	117.50	1.00					
			E5573878	117.50	118.50	1.00					
			E5573879	118.50	119.50	1.00					
			E5573880	119.50	119.50	0.00					
			E5573881	119.50	120.70	1.20					
			E5573882	120.70	121.50	0.80					
			E5573883	121.50	122.50	1.00					
			E5573884	122.50	123.80	1.30					
			E5573885	123.80	124.80	1.00					
			E5573886	124.80	125.80	1.00					
			E5573887	125.80	126.30	0.50					
			E5573888	126.30	126.70	0.40					
			E5573889	126.70	127.80	1.10					
			E5573890	127.80	127.80	0.00					
			E5573891	127.80	128.90	1.10					
			E5573892	128.90	130.00	1.10					

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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>- 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.</p> <p>- 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.</p> <p>« 105.60- 111.70 MODERATE TO HIGH GRADE. Shear sense deformed, highly silica flooded finely laminated sparry limestone »</p> <p>« 111.70- 114.00 TRACE TO LOW GRADE. Silicified massive mudstone intercalated with micritic limestone and sparry limestone as well, with localized quartz veining »</p> <p>« 114.00- 114.60 MODERATE GRADE. Deformed laminated sparry limestone mixed with carbonaceous mudstone »</p> <p>« 114.60- 115.10 TRACE. Silicified recrystallized sparry limestone »</p> <p>« 115.10- 116.00 LOW GRADE. Silicified locally laminated black mudstone, shear sense deformation »</p> <p>« 116.00- 121.50 TRACE. Unaltered unmineralized USMS style lithology, without visible mineralization »</p> <p>« 121.50- 123.80 LOW TO MODERATE GRADE. Silicified mudstone mixed with limestone, shear sense deformation »</p> <p>« 123.80- 126.30 TRACE. Massive sparry limestone »</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%
« 126.30- 126.70 MODERATE GRADE WITH PB. Pb-Zn mineralized on contact between limestone and mudstone »											
« 126.70- 130.00 TRACE TO BARREN. USMS style lithology without Zn »											
130.00	133.90	CCMS	E5573893	130.00	130.70	0.70					
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 »,											
133.90	138.00	FLT	E5573894	135.50	136.50	1.00					
			E5573895	136.50	138.00	1.50					
« 133.90- 138.00 FLT with healed breccia; with $\alpha=38^\circ$ TCA; localized quartz veining minor fault gouge; low cohesive strength; parallel to S1; L-tectonite; stretched veins; dextral shear sense »											
138.00	173.80	ACTM	E5573896	138.00	138.50	0.50					
ACTM – Active Member			E5573897	138.50	139.50	1.00					
			E5573898	139.50	140.50	1.00					
			E5573899	140.50	141.50	1.00					
			E5573900	141.50	142.50	1.00					
			E5573901	141.50	142.50	1.00					
			E5573902	142.50	143.60	1.10					
			E5573903	143.60	144.10	0.50					
			E5573904	144.10	145.10	1.00					
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.											

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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%
=====			E5573905	145.10	146.10	1.00					
		The ACTM has 8 different facies:	E5573906	146.10	147.10	1.00					
=====			E5573907	147.10	147.50	0.40					
			E5573908	147.50	148.50	1.00					
		- GREY CHERT FACIES: Consists of laminated medium light grey to medium dark grey chert. Mineralization: 95-99% quartz and up to 5% secondary calcite.	E5573909	148.50	149.50	1.00					
			E5573910	149.50	149.50	0.00					
			E5573911	149.50	150.50	1.00					
		- WHITISH GREY ZN-PB MUDSTONE FACIES: Is a laminated cherty rock containing up	E5573912	150.50	151.50	1.00					
		to 70% sulphides. Mineralization: quartz, sphalerite and galena are the major									
		minerals with only minor amounts of pyrite and locally calcite. Sedimentary	E5573913	151.50	152.50	1.00					
		diagenetic structures are common and well displayed in the facies, such as:	E5573914	152.50	153.50	1.00					
		lamination, pseudo-beds, calcite nodules & limestone nodules and abundant water	E5573915	153.50	154.00	0.50					
		escape structures. Most obvious structure in facies is cross-cutting veins	E5573916	154.00	155.00	1.00					
		containing massive sphalerite and galena with minor pyrite. They range in width	E5573917	155.00	156.00	1.00					
		from 0.5 to 10mm.	E5573918	156.00	157.00	1.00					
			E5573919	157.00	158.00	1.00					
			E5573920	158.00	158.00	0.00					
		- THIN BEDDED CHERTY MUDSTONE FACIES: Consists of rhythmic intercalated	E5573921	158.00	159.00	1.00					
		laminae of chert, carbonaceous mudstone and minor micrite. This facies contains	E5573922	159.00	160.00	1.00					
		significant amounts of Zn and Pb sulphides.	E5573923	160.00	160.90	0.90					
			E5573924	160.90	162.00	1.10					
		- CHERTY MUDSTONE FACIES: Consists of a greyish black monotonous siliceous,	E5573925	162.00	162.90	0.90					
		carbonaceous mudstone. It is most typically found overlying the thin bedded	E5573926	162.90	164.00	1.10					
		calcareous mudstone facies.	E5573927	164.00	165.10	1.10					
			E5573928	165.10	166.00	0.90					
		- THIN BEDDED CALCAREOUS MUDSTONE FACIES: Consists of laminated	E5573929	166.00	167.00	1.00					
		carbonaceous									
		mudstone containing 20-40% calcite, 40-55% quartz and 10-20% muscovite.	E5573930	167.00	168.00	1.00					
		Sulphides occur in laminae. In the XY area it is usually the lowest facies in	E5573931	167.00	168.00	1.00					
		the section to contain laminated sulphides.	E5573932	168.00	169.00	1.00					
			E5573933	169.00	170.00	1.00					
		- CALCAREOUS MUDSTONE FACIES: Consists of grey to greyish black monotonous,	E5573934	170.00	171.10	1.10					
		calcareous siliceous carbonaceous mudstone. There are no feathery calcite beds	E5573935	171.10	171.80	0.70					
		or pyrite-calcite blebs in the facies, making it easily distinguishable from	E5573936	171.80	172.80	1.00					
		the CCMS.	E5573937	172.80	173.80	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>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>« 138.00- 140.50 TRACE. Micritic limestone, massive, no alteration; no mineralization »</p> <p>« 140.50- 143.60 LOW GRADE. Shear sense deformed silicified sparry limestone with moderate laminations »</p> <p>« 143.60- 147.10 HIGH GRADE. Micro-faulted water escape structured extremely silicified finely laminated ore, strongly dextral shear sense »</p> <p>« 147.10- 153.60 LOW GRADE. Massive sparry limestone with Zn Pb replacement following foliations < @ 148.20 Foliation=46° TCA; Cleavage=30° TCA »»</p> <p>« 153.60- 159.00 HIGH GRADE. Extremely silicified Sedex ore with Sedex sedimentation, replacement and overprinting of Zn and Pb < @ 158.60 Zn lamina cut perpendicularly by Zn veinlets »»</p> <p>« 159.00- 160.00 MODERATE GRADE. Locally high grade; Highly silicified</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%
<i>finely laminated Sedex ore with abundant water escape structures »</i> <i>« 160.00- 160.90 LOW TO MODERATE GRADE. Silica flooded sparry limestone with Sedex and replacement of Zn »</i> <i>« 160.90- 162.90 MODERATE TO HIGH GRADE. Highly silica flooded, significantly Sedex Zn mineralized, strongly Zn replaced sparry limestone »</i> <i>« 162.90- 165.10 LOW GRADE. Silica flooded massive sparry limestone »</i> <i>« 165.10- 171.10 LOW TO MODERATE GRADE. Strongly silicified moderately laminated sparry limestone mixed with mudstone, shear sense deformed »</i> <i>« 171.00- 173.80 TRACE. Highly strained USMS style lithology, no lamination, lacking alteration, without mineralization »</i>											
173.80	176.70	FLT	E5573938	173.80	175.60	1.80					
<i>« 173.80- 176.70 FLT core loss; with healed fault breccia; partially reactivated fault; minor fault gouge; no cohesive strength; parallel to S1 = 34° TCA; faulting basal micritic limestone out also making the lower part of « ACTM » disappeared; abundant quartz veins and stockworks cemented fault breccia »</i>			E5573939	175.60	176.70	1.10					
176.70	210.00	CCMS	E5573940	176.70	176.70	0.00					
CCMS – Calcareous Mudstone <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> <i>« lm ca 5.00-10.00mm », « nodules py -3.00% 2.00-20.00mm »,</i> <i>« 176.70- 210.00 It is a foliation cleavage domain »</i>											



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