

Hole No.: HCE-056	Depth: 222.00 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:	483077.64 m	True Azimuth:	36.0 °
UTM Northing:	6931010.02 m	Hole Angle:	-65.0 °
Elevation (m):	1228.15 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:	90.0 °		
Dimond Drilling Contract:			
Drilled By:	CYR-01	Date Drilling Start:	22-Aug-15
		Date Finish:	25-Aug-15
Diamond Drill Core:			
Logged By:	EH	Date Logging Start:	26-Aug-15
		Date Finish:	29-Aug-15
Legend for Core Logging Codes: PAX			
Core Size:	NQ3	Cemented:	No
Casing Depth:	11.40 m	Casing Pulled:	Yes
Water Depth:	0.00 m	Overburden Depth:	11.40 m
Level:		Section:	
		Drift:	

Selwyn Project

Diamond Drill Log

Survey Data for Hole

HCE-056

Hole Comments:

Sun, Aug 23 --- DS: Completed hole HCE-055 at 229.0m in CCMS. ACTM was intersected from 145.6m-192.0m. Packed up and moved to setup HCE-828 to drill HCE-056. Lots of boulders in overburden, had to pull casing and clean out shoe. Set casing down to 9m. Drilled down to total depth of 15.0m in unknown lithology, core still at drill.

Mon, Aug 24 --- DS: Drilled 81.0m down to 96.0m total depth. Took reflex tests at 21m, 51m. Pulled rods to change bit at 90m. Minor conditioning of hole. NS: Drilled 54m down to 150.0m depth. Took reflex at 102m, 150m. Good drilling. Currently in ACTM at 147.2m. (started at 102m) Will keep an eye on it this afternoon for a potential shut down and move

Tue, Aug 25 --- DS: Drilled 58m down to 208.0m. Had issues with hydraulics on drill, had to fly parts down, tear parts off other CYR drill to replace them (fittings could not be removed successfully at drill). Observed down to 206m last night, still in ACTM. NS: Drilled 17m down to 225m. Shut down first thing this morning in CCMS. ACTM was intersected from 104.0m-208.0m. Will be moving later this morning to HCE-827.

Wed, Aug 26 ---

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-65.0	36.0
21.00	-65.0	36.0
51.00	-65.1	36.2
102.00	-64.7	37.5
150.00	-64.4	38.4

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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	11.40	OVBR									
« 0.00- 9.00 No core was recovered » « 9.00- 11.40 Allochthonous and autochthonous pebbles »											
11.40	101.80	USMS	E5575760	99.00	100.00	1.00					
USMS – Upper Siliceous Mudstone			E5575761	100.00	101.80	1.80					
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% »,											
< @ 11.90 m 0.3% Zn probably as hemimorphite >											
« 21.70- 26.30 FLT with recrystallized limestone, localized veins; with fault gouge; rubble »											
< @ 35.00 0.42% Zn as hemimorphite >											
« 41.90- 72.00 Shear zone with $\alpha=22^\circ$ TCA associated with boudinages, mylonite, foliation and graphitic slickensides »											
< @ 59.50 Barite alteration >											
< @ 76.50 Hydrothermal breccia with 0.2% Zn by Niton >											
« 78.60- 79.20 Healed FLT breccia, barite overprinting in fractures are so common »											
101.80	185.40	ACTM	E5575762	101.80	102.30	0.50					
ACTM – Active Member			E5575763	102.30	103.60	1.30					
			E5575764	103.60	105.00	1.40					
The ACTM consists of a repetitive, possibly rhythmic, sequence of intercalated			E5575765	105.00	105.70	0.70					

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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>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.</i></p> <p>=====</p> <p><i>The ACTM has 8 different facies:</i></p> <p>=====</p> <p>- GREY CHERT FACIES: <i>Consists of laminated medium light grey to medium dark grey chert. Mineralization: 95-99% quartz and up to 5% secondary calcite.</i></p> <p>- WHITISH GREY ZN-PB MUDSTONE FACIES: <i>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.</i></p> <p>- THIN BEDDED CHERTY MUDSTONE FACIES: <i>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>- CHERTY MUDSTONE FACIES: <i>Consists of a greyish black monotonous siliceous, carbonaceous mudstone. It is most typically found overlying the thin bedded calcareous mudstone facies.</i></p> <p>- THIN BEDDED CALCAREOUS MUDSTONE FACIES: <i>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>			E5575766	105.70	106.70	1.00					
			E5575767	106.70	107.60	0.90					
			E5575768	107.60	108.60	1.00					
			E5575769	108.60	109.60	1.00					
			E5575770	109.60	110.60	1.00					
			E5575771	109.60	110.60	1.00					
			E5575772	110.60	111.60	1.00					
			E5575773	111.60	112.60	1.00					
			E5575774	112.60	113.60	1.00					
			E5575775	113.60	114.60	1.00					
			E5575776	114.60	115.60	1.00					
			E5575777	115.60	116.60	1.00					
			E5575778	116.60	117.60	1.00					
			E5575779	117.60	118.60	1.00					
			E5575780	118.60	118.60	0.00					
			E5575781	118.60	119.40	0.80					
			E5575782	119.40	120.40	1.00					
			E5575783	120.40	121.50	1.10					
			E5575784	121.50	122.20	0.70					
			E5575785	122.20	122.60	0.40					
			E5575786	122.60	123.00	0.40					
			E5575787	123.00	123.60	0.60					
			E5575788	123.60	124.10	0.50					
			E5575789	124.10	124.60	0.50					
			E5575790	124.60	124.60	0.00					
			E5575791	124.60	125.70	1.10					
			E5575792	125.70	126.80	1.10					
			E5575793	126.80	127.90	1.10					
			E5575794	127.90	129.00	1.10					
			E5575795	129.00	129.60	0.60					
			E5575796	129.60	130.20	0.60					
			E5575797	130.20	130.70	0.50					
			E5575798	130.70	131.30	0.60					

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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>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>« 101.80- 102.30 LOW GRADE. Sphalerite in massive black mudstone in foliation domain, weakly altered with steplike slickensides »</p> <p>« 102.30- 103.60 TRACE. Massive black mudstone in foliaiton domain, abundant graphitic slickensides; a set of cleavages nearly parallel TCA »</p> <p>« 103.60- 105.70 MODERATE GRADE. Sedex sphalerite laminae in silicified mudstone, micritic and sparry limestone »</p> <p>« 105.70- 106.70 TRACE. Barite altered massive black carbonaceous mudstone in foliation cleavage domain, with graphitic slickensides »</p> <p>« 106.70- 107.60 LOW GRADE. Wide-spaced sphalerite laminae in deformed</p>			E5575799	131.30	132.00	0.70					
			E5575800	132.00	132.50	0.50					
			E5575801	132.00	132.50	0.50					
			E5575802	132.50	133.30	0.80					
			E5575803	133.30	134.00	0.70					
			E5575804	134.00	134.80	0.80					
			E5575805	134.80	135.40	0.60					
			E5575806	135.40	136.40	1.00					
			E5575807	136.40	137.30	0.90					
			E5575808	137.30	138.50	1.20					
			E5575809	138.50	139.60	1.10					
			E5575810	139.60	139.60	0.00					
			E5575811	139.60	140.70	1.10					
			E5575812	140.70	141.60	0.90					
			E5575813	141.60	142.70	1.10					
			E5575814	142.70	143.80	1.10					
			E5575815	143.80	144.30	0.50					
			E5575816	144.30	144.80	0.50					
			E5575817	144.80	146.20	1.40					
			E5575818	146.20	147.00	0.80					
			E5575819	147.00	147.50	0.50					
			E5575820	147.50	147.50	0.00					
			E5575821	147.50	148.50	1.00					
			E5575822	148.50	149.50	1.00					
			E5575823	149.50	150.60	1.10					
			E5575824	150.60	151.80	1.20					
			E5575825	151.80	153.10	1.30					
			E5575826	153.10	153.90	0.80					
			E5575827	153.90	155.00	1.10					
			E5575828	155.00	156.00	1.00					
			E5575829	156.00	157.20	1.20					
			E5575830	157.20	159.30	2.10					
			E5575831	157.20	159.30	2.10					
			E5575832	159.30	160.20	0.90					

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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>mixture of mudstone and micritic limestone »</i>	E5575833	160.20	161.20	1.00					
			E5575834	161.20	162.00	0.80					
		« 107.60- 118.60 LOW GRADE TO TRACE. Mostly sparry limestone, graded, with some mudstone interlayers; massive, lacking in laminations; barite alteration commonly associated with anomalous Ni-Cu-As-Mn, the pelagic element assemblage »	E5575835	162.00	163.00	1.00					
			E5575836	163.00	164.00	1.00					
			E5575837	164.00	165.00	1.00					
			E5575838	165.00	166.00	1.00					
			E5575839	166.00	167.00	1.00					
		« 118.60- 119.40 MODERATE GRADE. Sedex sphalerite laminae in clastic sparry limestone, with barite and anomalous Ni »	E5575840	167.00	167.00	0.00					
			E5575841	167.00	168.00	1.00					
		« 119.40- 121.50 TRACE TO LOW GRADE. Calcite veined micritic limestone, massive, barite altered, localized disseminated Zn »	E5575842	168.00	169.00	1.00					
			E5575843	169.00	169.80	0.80					
			E5575844	169.80	170.60	0.80					
		« 121.50- 124.60 MODERATE TO HIGH GRADE. In silica flooded micritic and sparry limestone there are four types of Zn mineralization: < Type 1 - Sedex Zn laminae >; < Type 2 - Sphalerite in water escape structures>; < Type 3- Sphalerite in stylolite structures> and < Type 4 - sphalerite in dissemination>; Disseminated Zn in sparry and micritic limestone is strongly recommended to be given more study »	E5575845	170.60	171.60	1.00					
			E5575846	171.60	172.70	1.10					
			E5575847	172.70	173.40	0.70					
			E5575848	173.40	174.30	0.90					
			E5575849	174.30	175.20	0.90					
			E5575850	175.20	175.20	0.00					
			E5575851	175.20	177.00	1.80					
			E5575852	177.00	178.00	1.00					
		« 124.60- 127.90 LOW TO MODERATE GRADE. Sedex and disseminated sphalerite in silicified micritic limestone, barite veined, high Zn also on the contact to sparry limestone at the lower end »	E5575853	178.00	179.00	1.00					
			E5575854	179.00	179.50	0.50					
			E5575855	179.50	180.00	0.50					
			E5575856	180.00	181.00	1.00					
		« 127.90- 129.00 LOW TO MODERATE GRADE. In silica flooded sparry limestone Zn as wide-spaced Sedex and fine grained dissemination as well as in water escape structures and stylolites »	E5575857	181.00	182.00	1.00					
			E5575858	182.00	183.00	1.00					
			E5575859	183.00	184.00	1.00					
			E5575860	184.00	185.00	1.00					
		« 129.00- 135.40 HIGH GRADE. Sedex and overprinting Zn in mudstone, micritic and sparry limestone (sparry limestone predominating), locally with slump breccia; water escape structures filled with sphalerite, graphitic steplike slickensides, brecciation and Zn replacement are in places »	E5575861	184.00	185.00	1.00					
			E5575862	185.00	185.40	0.40					
		« 135.40- 136.40 LOW TO MODERATE GRADE. Weakly silicified sparry limestone with disseminated Zn »									

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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>« 136.40- 137.30 MODERATE GRADE. Silica flooded Sedex Zn mineralized and replaced sparry limestone with galena overprinting »</p> <p>« 137.30- 138.50 LOW GRADE WITH LOCALLY HIGH GRADE. Silicified massive sparry limestone with disseminated Zn - a quite different from Sedex Zn laminae; dissemination Zn could increase the bulk volume dramtically, also with its good and stablized grade, such a mineralization is good for open pit mine if burried shalow »</p> <p>« 138.50- 141.60 MODERATE GRADE. Sedex and disseminated Zn in silica flooded micritic and sparry limestone. Laminations are wide-spaced but Zn mineralization is pervasive and uniformly distributed »</p> <p>« 141.60- 143.80 TRACE. Moderately silicified sparry limestone without much visible Zn »</p> <p>« 143.80- 144.30 LOW TO MODERATE GRADE. Finely Sedex Zn laminated mudstone, silica flooded, with slump breccia and water escape structures filled with sphalerite »</p> <p>« 144.30- 144.80 TRACE. Deformed massive black mudstone lacks Zn laminae »</p> <p>« 144.80- 147.50 MODERATE GRADE LOCALLY WITH HIGH GRADE. Strongly silica flooded, Sedex Zn mineralized limestone mixed with mudstone, sphalerite also fills in water escape structures »</p> <p>« 147.50- 149.50 LOW TO MODERATE GRADE. Strongly barite altered, weakly silicified sparry limestone with (1) wide-spaced Sedex Zn and (2) fine -grained disseminantion »</p> <p>« 149.50- 150.60 LOW GRADE. Weakly silica altered, weakly Sedex Zn mineralized micritic limestone and mudstone »</p>									

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		<p>« 150.60- 153.10 TRACE. Barite altered, locally a few cm Zn laminae in massive mudstone and graded sparry limestone »</p> <p>« 153.10- 159.30 LOW GRADE. Sedex sphalerite in silica flooded micritic limestone as well as sphalerite in stylolites; disseminated Zn is also significant »</p> <p>« 157.00- 159.30 a FLT damage zone with minor fault gouge and low cohesive strength; broken core; possible slickenside $\alpha=21^{\circ}$ TCA »</p> <p>« 159.30- 170.60 TRACE TO LOW GRADE. Silica altered massive micritic limestone and sparry limestone with stylolite structures; some disseminated Zn »</p> <p>« 170.60- 180.00 TRACE. High strain zone in USMS style lithology with FLT damage zone »</p> <p>« 173.40- 174.30 Healed FLT breccia, veined, recrystallized without much visible Zn, but with shear sensed deformation »</p> <p>« 180.00- 185.40 BARREN. Unaltered basal micritic limestone, locally brecciated, filled with calcite pyrite veins »</p>									
185.40	222.00	CCMS	E5575863	185.40	186.00	0.60					
		CCMS – Calcareous Mudstone	E5575864	186.00	187.00	1.00					
		<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> <p>« 1m ca 5.00-10.00mm », « nodules py -3.00% 2.00-20.00mm »,</p>									



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		<p>« 212.20- 215.30 A « FLT » zone in a healed FLT breccia with abundant calcite material; some fault gouge; low cohesive strength; broken core, foliation controlled with $\alpha=28^\circ$ TCA »</p> <p>« 216.70- 222.00 FLT damage zone zone, broken core; minor fault gouge; low cohesive strength »</p> <p>‹ @ 195.10 Foliation orientation $\alpha=31^\circ$ TCA ›</p> <p>‹ @ 197.00 Calcite band orientation $\alpha=88^\circ$ TCA ›</p>									
222.00	222.00	EOH									