

Hole No.: HCE-049	Depth: 132.00 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:	483319.52 m	True Azimuth:	3.0 °
UTM Northing:	6931100.69 m	Hole Angle:	-70.0 °
Elevation (m):	1210.82 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:	26-Jul-15
		Date Finish:	28-Jul-15
Diamond Drill Core:			
Logged By:	EH	Date Logging Start:	28-Jul-15
		Date Finish:	30-Jul-15
Legend for Core Logging Codes: PAX			
Core Size:	NQ3	Cemented:	No
Casing Depth:	13.30 m	Casing Pulled:	Yes
Water Depth:	0.00 m	Overburden Depth:	13.32 m
Level:		Section:	
		Drift:	

Selwyn Project

Diamond Drill Log

Survey Data for Hole

HCE-049

Hole Comments:

Sun, Jul 26 --- DS: Drilled from 9-66m and shut down at 66m after collaring into ACTM until 29.8m. Survey at 15m and 61m. Tear down, move to HCE-809 (HCE-049), set up, install waterline. NS: Drilled from 0-30m. Set 15m of casing and 3 anchor rods. Current lithology unknown as core still at drill.

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Mon, Jul 27 --- DS: Drilled from 30-85m. Had to ream from 48-51m and from 69-75m. Survey @51m. NS: Drilled from 84-129m. In bad ground for last 2 hrs of shift and had to ream through a tight spot. Washed hole at end of shift. Intersected ACTM from 78.4-108m and FLT from 108-127.3m (poor recovery) followed by very broken CCMS (?).

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Wed, Jul 29 --- DS: Drilled to 132m (EOH) and did a survey. Moved to HCE-023 (HCE-050). NS: Drilled down to 49m. Lithology unknown as core still at drill

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-70.0	3.0
24.00	-69.5	2.6
60.00	-68.2	2.2
102.00	-66.7	3.4

Selwyn Project Diamond Drill Log

Hole Number:
HCE-049

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	13.30	OVBR									
« 0.00- 12.90 No core was recovered » « 12.90- 13.30 Allochthonous pebbles »											
13.30	66.70	USMS	E5574560	64.40	65.40	1.00					
USMS – Upper Siliceous Mudstone			E5574561	65.40	66.70	1.30					
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% », « 13.30- 66.70 High strain zone comprising boudinages, folded veins, L-tectonite of stretched pyrite porphyroblasts, and pressure shadows of calcite » « @ 23.10 Foliations = 31° TCA in foliation cleavage deformation domain » « 44.90- 49.40 FLT, parallel with S1=46° TCA, low cohesive strength; fault gouge; core loss; high strain deformation, recrystallized limesotne » « 51.00- 66.70 FLT zone, localized dilational faulting; shear sense thrusting; graphitic slickensides; barite hydrothermal veining; recrystaliization of limestone »											
66.70	108.40	ACTM	E5574562	66.70	67.70	1.00					
ACTM – Active Member			E5574563	67.70	72.00	4.30					
			E5574564	72.00	73.40	1.40					
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),			E5574565	73.40	74.80	1.40					
			E5574566	74.80	75.30	0.50					
			E5574567	75.30	75.70	0.40					

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<i>mainly in its sections with well developed lamination. Because of its heterogeneity, the member is distinctive and easily identified.</i> ===== <i>The ACTM has 8 different facies:</i> =====			E5574568	75.70	76.80	1.10					
			E5574569	76.80	77.90	1.10					
			E5574570	77.90	79.10	1.20					
			E5574571	77.90	79.10	1.20					
- GREY CHERT FACIES: Consists of laminated medium light grey to medium dark grey chert. Mineralization: 95-99% quartz and up to 5% secondary calcite.			E5574572	79.10	80.10	1.00					
			E5574573	80.10	81.10	1.00					
			E5574574	81.10	81.80	0.70					
			E5574575	81.80	82.60	0.80					
- 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.			E5574576	82.60	83.90	1.30					
			E5574577	83.90	84.80	0.90					
			E5574578	84.80	85.70	0.90					
- 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.			E5574579	85.70	86.40	0.70					
			E5574580	86.40	86.40	0.00					
			E5574581	86.40	87.40	1.00					
			E5574582	87.40	88.20	0.80					
- CHERTY MUDSTONE FACIES: Consists of a greyish black monotonous siliceous, carbonaceous mudstone. It is most typically found overlying the thin bedded calcareous mudstone facies.			E5574583	88.20	89.20	1.00					
			E5574584	89.20	90.20	1.00					
			E5574585	90.20	91.20	1.00					
			E5574586	91.20	92.20	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.			E5574587	92.20	93.10	0.90					
			E5574588	93.10	94.20	1.10					
			E5574589	94.20	95.30	1.10					
			E5574590	95.30	95.30	0.00					
- CALCAREOUS MUDSTONE FACIES: Consists of grey to greyish black monotonous,			E5574591	95.30	96.00	0.70					
			E5574592	96.00	96.90	0.90					
			E5574593	96.90	97.70	0.80					
			E5574594	97.70	99.20	1.50					
			E5574595	99.20	100.10	0.90					
			E5574596	100.10	101.30	1.20					
			E5574597	101.30	102.50	1.20					
			E5574598	102.50	103.20	0.70					
			E5574599	103.20	103.80	0.60					
			E5574600	103.80	104.90	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><i>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>- 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> <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>« 66.70- 78.40 TRACE TO LOW GRADE. FLT with fault gouge core loss, graphitic slickensides; parallel with S1=46° TCA; barite alteration; localized Zn=0.4% by Niton. Local dilational breccia and local vuggy drusy quartz crystals, with high Zn fragments »</p> <p>« 78.40- 75.30 BARREN. Calcite veined micritic limestone without Zn mineralization »</p> <p>« 75.30- 75.70 MODERATE GRADE. Highly silicified Sedex Zn mineralized sparry limestone with abundant calcite veinlets controlled by cleavages »</p> <p>« 75.70- 77.90 TRACE. Unaltered unmineralized sparry limestone with localized echelon calcite arrays, quite massive »</p> <p>« 77.90- 79.10 MODERATE GRADE. FLT with broken pieces; core loss; Zn</p>			E5574601	103.80	104.90	1.10					
			E5574602	104.90	105.80	0.90					
			E5574603	105.80	106.80	1.00					
			E5574604	106.80	107.40	0.60					
			E5574605	107.40	108.40	1.00					

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		<p><i>mineralized sparry limestone, extremely silicified lacking laminations »</i></p> <p>« 79.10- 80.10 LOW GRADE. Weakly silicified Zn disseminated sparry limestone »</p> <p>« 80.10- 81.10 MODERATE TO HIGH GRADE. Ductile deformed silcified Zn laminated sparry limestone »</p> <p>« 81.10- 84.80 MODERATE TO HIGH GRADE. Sedex Zn mineralized sparry limestone with overprinting and replacement Zn; high Pb and minor Ag in water escape structures »</p> <p>« 84.80- 85.70 LOW GRADE. Zn barite altered massive sparry limestone with disseminated Zn; Calcite stockworked »</p> <p>« 85.70- 87.40 LOW GRADE. Silicified laminated sparry limestone with calcite stockworks »</p> <p>« 87.40- 89.20 MODERATE GRADE. Typical Sedex Zn mineralization in mudstone and sparry limestone, sphalerite fills in water escape structures, and galena sphalerite as veinlets fills in foliations and cleavages »</p> <p>« 89.20- 91.20 MODERATE GRADE. Silica flooded laminated mudstone and limestone, faulted, brecciated, high Zn-Pb in water escape structures »</p> <p>« 91.20- 92.00 TRACE. Unaltered sparry limestone, massive, lacking lamination and mineralization »</p> <p>« 92.00- 95.30 MODERATE GRADE. Silica flooded Sedex Zn mineralized mudstone with some sparry limestone, with a trend of drilling down dip »</p> <p>« 95.30- 99.20 MODERATE TO HIGH GRADE. Sedex Zn, overprinted and replaced sparry limestone, highly silicified, calcite veined, locally brecciated, some laminated, some not at all mineralized ; some core loss; in a « FLT » zone »</p>									

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<p>« 99.20- 100.10 BARREN TO TRACE. Massive graded sparry limestone »</p> <p>« 100.10- 102.50 TRACE TO LOW GRADE. Vuggy, drusy, dilational fractured, calcite veined, silicified, locally laminated mudstone and sparry limestone, fractures nearly 0° TCA »</p> <p>« 102.50- 103.80 LOW TO MODERATE GRADE. Shear sense deformed, microfaulted mudstone and sparry limestone, with echelon calcite arrays »</p> <p>« 103.80- 104.90 BARREN. Massive wide- spaced laminations in micritic and sparry limestone with stylolite structures »</p> <p>« 104.90- 106.80 LOW TO MODERATE GRADE. Mylonitized foliated anastomosed calcite veins in graphitic mudstone and limestone. This is a FLT zone »</p> <p>« 106.80- 108.40 LOW GRADE. Silicified micritic and sparry limestone, massive, calcite veined, locally brecciated with Zn mineralization »</p>											
108.40	129.50	FLT	E5574606	108.40	109.60	1.20					
<p>« 108.40- 129.50 FLT with fault gouge and core loss, $\alpha=48^\circ$ TCA, not visibly mineralized, having faulted the basal limestone out. This fault has tremendous influence on « ACTM » in this area »</p>			E5574607	109.60	111.00	1.40					
			E5574608	111.00	114.80	3.80					
			E5574609	114.80	114.80	0.00					
129.50	132.00	CCMS									
<p>CCMS – Calcareous Mudstone</p> <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>« lm ca 5.00-10.00mm », « nodules py -3.00% 2.00-20.00mm »,</p> <p>« @ 131.30 Laminated pyrite $\alpha=56^\circ$ TCA »</p>											



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132.00	132.00	EOH									