

Hole No.: HCE-036	Depth: 87.00 m	Horizontal Length: 0.00 m	Project: 1710
Location Data:			
Property:	Selwyn Project	Claim Name:	DON 116
Mining District:	Selwyn Basin	Grant Number:	Y 64981
Province/Territory:	Yukon		
UTM Co-Ordinates & Altitude of Drill Hole Collar:			
UTM Easting:	483968.05 m	True Azimuth:	5.0 °
UTM Northing:	6931058.78 m	Hole Angle:	-70.0 °
Elevation (m):	1227.86 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:	04-Jul-15
		Date Finish:	05-Jul-15
Diamond Drill Core:			
Logged By:	EH	Date Logging Start:	08-Jul-15
		Date Finish:	10-Jul-15
Legend for Core Logging Codes: PAX			
Core Size:	NQ3	Cemented:	No
Casing Depth:	6.20 m	Casing Pulled:	Yes
Water Depth:	0.00 m	Overburden Depth:	6.20 m
Level:		Section:	
		Drift:	

Selwyn Project

Diamond Drill Log

Survey Data for Hole

HCE-036

Hole Comments:

Sat, Jul 04 --- DS: Completed hole HCE-033 at depth of 90.0m. Intersected ACTM from 30.1m-53.7m. Tore down moved to setup HCE-803 to drill HQ3 sized metallurgical definition drill hole HCE-036. Set anchor and drilled 6.0m of casing. NS: Drilled 81m down to total depth of 87.0m. Intersected ACTM from 6.0,-53.6m. Shut down at 87.0m in CCMS.

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Sun, Jul 05 --- DS: Completed definition metallurgical hole HCE-036 (HCE-803) at 87.0m in CCMS. Moved to pad HCE-807 to drill definition target HCE-037. Standby for fog 3 hours, 1 hour waiting for geo to confirm hole was done (waiting for core to come in from drill). Surveys at 87, 51, 15m. Tear down move, setup, anchored. NS: Drilled down to depth of 45m with 24m of casing. Test at 30m. 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	-70.0	5.0
15.00	-70.2	6.6
51.00	-69.2	9.2
87.00	-68.2	9.8

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Hole Number:
HCE-036

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	6.20	OVBR									
« There are several pieces of pebbles with 0.2% Zn possibly autochthonous from ACTM below »											
6.20	53.70	ACTM	E5573510	6.20	6.80	0.60					
ACTM – Active Member			E5573511	6.80	7.90	1.10					
			E5573512	7.90	9.00	1.10					
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.			E5573513	9.00	10.10	1.10					
			E5573514	10.10	11.40	1.30					
			E5573515	11.40	12.60	1.20					
			E5573516	12.60	13.90	1.30					
			E5573517	13.90	14.70	0.80					
			E5573518	14.70	15.60	0.90					
=====			E5573519	15.60	16.00	0.40					
The ACTM has 8 different facies:			E5573520	16.00	16.40	0.40					
=====			E5573521	16.00	16.40	0.40					
- GREY CHERT FACIES: Consists of laminated medium light grey to medium dark grey chert. Mineralization: 95-99% quartz and up to 5% secondary calcite.			E5573522	16.40	17.00	0.60					
			E5573523	17.00	18.00	1.00					
- WHITISH GREY ZN-PB MUDSTONE FACIES: Is a laminated cherty rock containing up			E5573524	18.00	18.70	0.70					
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:			E5573525	18.70	19.40	0.70					
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.			E5573526	19.40	20.40	1.00					
- 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.			E5573527	20.40	21.40	1.00					
			E5573528	21.40	22.90	1.50					
			E5573529	22.90	24.30	1.40					
			E5573530	24.30	24.30	0.00					
			E5573531	24.30	25.00	0.70					
			E5573532	25.00	26.00	1.00					
			E5573533	26.00	27.00	1.00					
			E5573534	27.00	28.00	1.00					
			E5573535	28.00	28.60	0.60					
			E5573536	28.60	29.20	0.60					
			E5573537	29.20	29.80	0.60					
			E5573538	29.80	30.80	1.00					
- CHERTY MUDSTONE FACIES: Consists of a greyish black monotonous siliceous, carbonaceous mudstone. It is most typically found overlying the thin bedded			E5573539	30.80	31.70	0.90					
			E5573540	31.70	31.70	0.00					

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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%
		<i>calcareous mudstone facies.</i>	E5573541	31.70	32.50	0.80					
			E5573542	32.50	33.50	1.00					
		<i>- THIN BEDDED CALCAREOUS MUDSTONE FACIES: Consists of laminated carbonaceous</i>	E5573543	33.50	34.80	1.30					
		<i>mudstone containing 20-40% calcite, 40-55% quartz and 10-20% muscovite.</i>									
		<i>Sulphides occur in laminae. In the XY area it is usually the lowest facies in the section to contain laminated sulphides.</i>	E5573544	34.80	36.00	1.20					
			E5573545	36.00	37.30	1.30					
			E5573546	37.30	38.60	1.30					
			E5573547	38.60	39.00	0.40					
		<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>	E5573548	39.00	39.90	0.90					
			E5573549	39.90	40.80	0.90					
			E5573550	40.80	41.20	0.40					
			E5573551	40.80	41.20	0.40					
			E5573552	41.20	42.60	1.40					
		<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>	E5573553	42.60	43.90	1.30					
			E5573554	43.90	45.00	1.10					
			E5573555	45.00	46.00	1.00					
			E5573556	46.00	47.00	1.00					
		<i>- LIGHT GREY BASAL LIMESTONE FACIES - LGLS: Consists of laminated argillaceous</i>	E5573557	47.00	48.00	1.00					
		<i>limestone. In the Anniv area it marks the end of the ACTM. It's not always present in the stratigraphy.</i>									
			E5573558	48.00	49.00	1.00					
			E5573559	49.00	50.00	1.00					
			E5573560	50.00	50.00	0.00					
		<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>	E5573561	50.00	51.00	1.00					
			E5573562	51.00	52.00	1.00					
			E5573563	52.00	53.00	1.00					
			E5573564	53.00	53.70	0.70					
		« 6.20- 6.80 HIGH GRADE with averaging 6.7% Zn and 1.1% Pb by Niton. Deformed, leached, strongly barite silica altered sparry limestone with abundant sphalerite lamina, overprinted by localized galena »									
		« 6.80- 11.40 TRACE with averaging 0.1% Zn and not much Pb by Niton. Locally brecciated, unaltered micritic and sparry limestone intercalated. »									

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		<p>« 11.40- 12.60 LOW TO MODERATE GRADE with averaging 2% Zn and 0.2% Pb by Niton. Strongly silica replace, poorly to moderately laminated sparry limestone with localized galena stringers, locally with some unaltered sparry limestone, micro-faulted and micro-folded »</p> <p>« 12.60- 13.90 LOW TO MODERATE GRADE with 3% Zn and 2% Pb by Niton. Deformed, silicified, micro-faulted sparry limestone and mudstone intercalated each other. Sedex Zn mineralization is present as patches; galena as stringers »</p> <p>« 13.90- 14.70 LOW TO MODERATE GRADE with 2%Zn and 0.5%Pb by Niton. Unaltered sparry limestone replaced by Sedex Zn along deformed laminations and overprinted by galena stringers »</p> <p>« 14.70- 15.60 TRACE TO LOW with 1%Zn and 0.4% Pb by Niton. Unaltered sparry limestone with minor Zn replacement »</p> <p>« 15.60- 16.00 HIGH GRADE with 18%Zn and 4%Pb by Niton. Silica flooded, Sedex Zn replaced sparry limestone (replacement dominates syndimentation), overprinting sphalerite and galena filling in foliations »</p> <p>« 16.00- 16.40 TRACE with 0.3% Zn by Niton. Unaltered sparryy limestone, massive, with 7cm wide silicification-Zn mineralization at the top end. »</p> <p>« 16.40- 18.00 LOW GRADE with 1.4% Zn by Niton. Moderately silicified micritic limestone with sparry limestone as well as some mudstone; locally laminated; locally ductile deformed; replacement and overprinting are both present »</p> <p>« 18.00- 19.40 LOW TO MODERATE GRADE with 3%Zn and 0.4%Pb by Niton. Ductile deformed, strongly silicified sparry limestone and graphitic mudstone, moderately laminated; minor galena stringers»</p>									

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		« 19.40- 21.40 HIGH GRADE with 13%Zn and 2%Pb by Niton; Highly carbonaceous sparry limestone interlayered with mudstone, extremely silica flooded. On the top 8 cm overprinting sphalerite is in large crystals filling in foliations. Ductile deformed with abundant micro faults and F-C fabrics; some water escape channels (?) »									
		« 21.40- 24.30 LOW GRADE with 0.7%Zn and 0.1%Pb by Niton. Unaltered massive sparry limestone replaced by some silica and minor sphalerite. The replacement begins from foliations and fractures with irregular contact border with wall rocks »									
		« 24.30- 25.00 LOW GRADE with 1.2%Zn and 0.2%Pb by Niton. Strongly deformed sparry limestone replaced by Sedex type mineralization, carbonaceous fractures and slickensides »									
		« 25.00- 28.60 HIGH GRADE with 12.3% Zn and 4.7%Pb by Niton. Extremely silicified sparry limestone, strongly Sedex Zn mineralized, overprinted by sphalerite and galena veinlets and stringers along microfaults and fractures; some water escape structures (?) »									
		« 28.60- 29.20 TRACE with 0.4% Zn and 0.5%Pb by Niton. Barite altered deformed limestone and mudstone »									
		« 29.20- 29.80 HIGH GRADE with 17.1%Zn and 4.8%Pb by Niton. Extremely silicified Sedex Zn mineralized sparry limestone overprinted by sphalerite galena veinlets. Shear sense S-C fabrics»									
		« 29.80- 31.70 TRACE TO LOW GRADE with 0.25% Zn and 0.03%Pb by Niton. Silicified limestone and mudstone without much mineralization, massive, shear sense deformed. »									
		« 31.70- 32.50 MODERATE GRADE with 6%Zn and 3.9% Pb by Niton. Silicified Zn-mineralized mudstone intercalated with limestone »									
		« 32.50- 33.50 TRACE with 0.1%Zn by Niton. Deformed massive mudstone,									

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		<p><i>altered with silica but not mineralized with Zn-Pb »</i></p> <p>« 33.50- 34.80 TRACE TO LOW GRADE with 0.5%Zn and 0.1% Pb by Niton. <i>Altered weakly mineralized sparry limestone »</i></p> <p>« 34.80- 36.00 LOW TO MODERATE GRADE with 3.4%Zn and 1.6%Pb by Niton. <i>Silicified laminated sparry limestone with sphalerite and galena overprinting at top 11 cm interval where barite alteration is present »</i></p> <p>« 36.00- 38.60 LOW GRADE with 0.5%Zn by Niton. Silicified laminated <i>sparry limestone with 1 to 5%Zn as localized stylolites and veinlets »</i></p> <p>« 38.60- 39.00 LOW GRADE with 1.6%Zn by Niton. Sparry limestone with <i>localized silicification and lamination; Zn mostly in laminations as syndimentation»</i></p> <p>« 39.00- 40.80 TRACE. USMS style lithology »</p> <p>« 40.80- 41.20 LOW TO MODERATE GRADE with 3%Zn and 1.2%Pb by Niton. <i>Strongly silicified fine laminated sparry limestone, micro-faulted (water escape structures), overprinted by sphalerite veinlets, and galena bands and stringers »</i></p> <p>« 41.20- 42.60 TRACE with 0.8%Zn by Niton. Deformed (shear sense) <i>mudstone and limestone, quite massive, lacking mineralization »</i></p> <p>« 42.60- 43.90 LOW GRADE with 1%Zn and 0.2%Pb by Niton. Barite altered <i>moderately laminated sparry limestone and some mudstone, shear sense deformed, minor localized galena stringers »</i></p> <p>« 43.90- 52.00 TRACE with 0.3%Zn and 0.2%Pb by Niton. Shear sense <i>deformed heavily calcite veined barite altered limestone and mudstone, with minor galena stringers in limestone, localized stylolite and stockworking as well as brecciation structures - a high strain zone »</i></p>									

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