

Selwyn Projet

Diamond Drill Log

Selwyn Chihong Mining Ltd.

#2701-1055 West Georgia
Vancouver, British Columbia
Canada V6E 0B6
604-620-6188

Comprehensive Report for Hole:

HCE-040

Hole No.: HCE-040	Depth: 180.00 m	Horizontal Length: 0.00 m	Project: 1710
Location Data:			
Property:	Selwyn Projet	Claim Name:	NOD 61
Mining District:	Selwyn Basin	Grant Number:	YB49425
Province/Territory:	Yukon		
UTM Co-Ordinates & Altitude of Drill Hole Collar:			
UTM Easting:	483233.02 m	True Azimuth:	5.0 °
UTM Northing:	6931107.67 m	Hole Angle:	-55.0 °
Elevation (m):	1209.07 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:	09-Jul-15
		Date Finish:	10-Jul-15
Diamond Drill Core:			
Logged By:	EH	Date Logging Start:	12-Jul-15
		Date Finish:	12-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:			

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Survey Data for Hole

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Hole Comments:

Thu, Jul 09 --- DS: Move pump and setup, string water line, move drill setup and anchored. Set casing to 6m.
NS: Reamed casing to 12m, drilled down to 90m. Current lithology ACTM at 90m, got into it at 55.2m.

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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.

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-55.0	5.0
21.00	-54.0	5.7
54.00	-52.6	7.1
90.00	-51.8	9.1
120.00	-50.9	10.2
150.00	-50.5	10.3
180.00	-50.8	8.7

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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%
0.00	6.10	OVBR									
« No core recovery »											
6.10	54.80	USMS	E5573760	52.80	53.80	1.00					
USMS – Upper Siliceous Mudstone			E5573761	53.80	54.80	1.00					
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% »,											
« 6.10- 54.80 High strain zone of asymmetric folded veins and bands; deformed boudinages, foliation-cleavage domains; stretched porphyroblasts »											
↵ @ 28.50 Foliations=42° TCA ↵											
« 42.60- 47.20 FLT, shearing, stockworking; anastomosing; graphitic slickensides; minor fault gouge; low cohesive strength; parallel to S1=26° TCA »											
↵ @ 54.60 Foliations=58° TCA ↵											
54.80	100.50	ACTM	E5573762	54.80	55.20	0.40					
ACTM – Active Member			E5573763	55.20	55.90	0.70					
			E5573764	55.90	56.90	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.			E5573765	56.90	57.90	1.00					
			E5573766	57.90	58.90	1.00					
			E5573767	58.90	60.20	1.30					
			E5573768	60.20	60.60	0.40					
			E5573769	60.60	61.30	0.70					
			E5573770	61.30	62.30	1.00					
=====			E5573771	61.30	62.30	1.00					
The ACTM has 8 different facies:			E5573772	62.30	63.50	1.20					

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=====			E5573773	63.50	64.50	1.00					
			E5573774	64.50	65.50	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.	E5573775	65.50	66.50	1.00					
			E5573776	66.50	67.50	1.00					
			E5573777	67.50	68.50	1.00					
		- 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.	E5573778	68.50	69.50	1.00					
			E5573779	69.50	70.50	1.00					
			E5573780	70.50	70.50	0.00					
			E5573781	70.50	71.50	1.00					
			E5573782	71.50	72.50	1.00					
			E5573783	72.50	73.50	1.00					
			E5573784	73.50	74.30	0.80					
			E5573785	74.30	75.30	1.00					
			E5573786	75.30	76.30	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.	E5573787	76.30	77.40	1.10					
			E5573788	77.40	78.40	1.00					
			E5573789	78.40	79.10	0.70					
			E5573790	79.10	79.10	0.00					
		- CHERTY MUDSTONE FACIES: Consists of a greyish black monotonous siliceous, carbonaceous mudstone. It is most typically found overlying the thin bedded calcareous mudstone facies.	E5573791	79.10	80.10	1.00					
			E5573792	80.10	81.10	1.00					
			E5573793	81.10	82.10	1.00					
			E5573794	82.10	82.60	0.50					
		- 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.	E5573795	82.60	83.60	1.00					
			E5573796	83.60	84.10	0.50					
			E5573797	84.10	85.00	0.90					
			E5573798	85.00	85.40	0.40					
			E5573799	85.40	86.00	0.60					
		- 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.	E5573800	86.00	87.30	1.30					
			E5573801	86.00	87.30	1.30					
			E5573802	87.30	87.90	0.60					
			E5573803	87.90	88.60	0.70					
			E5573804	88.60	89.30	0.70					
		- GRADED LIMESTONE FACIES: Is a laminated argillaceous limestone with	E5573805	89.30	90.00	0.70					

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<p><i>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>◁ @ 54.80 ACTM has a barite multi-element anomalous veining and brecciaiton rim on the top border ▷</p> <p>« 54.80- 55.20 TRACE TO LOW GRADE. Siliceous massive mudstone »</p> <p>« 55.20- 55.90 LOW GRADE. Strongly silicified finely laminated mudstone »</p> <p>« 55.90- 60.20 TRACE TO LOW GRADE. Extremely silicified locally laminated USMS style lithology, lacking Zn mineralization »</p> <p>« 60.20- 60.60 LOW TO MODERATE GRADE. Massive mudstone locally cut by Zn laminae »</p> <p>« 60.60- 62.30 TRACE. Massive micritic limestone with sparry limestone lacking alteration, lamination and mineralization »</p> <p>« 62.30- 63.50 LOW GRADE. Extremely silicified sparry limestone with high Zn in places »</p>			E5573806	90.00	91.00	1.00					
			E5573807	91.00	92.00	1.00					
			E5573808	92.00	93.00	1.00					
			E5573809	93.00	94.00	1.00					
			E5573810	94.00	94.00	0.00					
			E5573811	94.00	95.00	1.00					
			E5573812	95.00	96.00	1.00					
			E5573813	96.00	97.00	1.00					
			E5573814	97.00	98.00	1.00					
			E5573815	98.00	99.00	1.00					
			E5573816	99.00	100.00	1.00					
			E5573817	100.00	100.50	0.50					

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		« 63.50- 74.30 MODERATE TO HIGH GRADE. Extremely silicified, significantly Zn laminated, ductile deformed, micro-faulted, water escape structured Sedex Zn ore hosted in sparry limestone and mudstone, locally with up to 35% Zn; galena patches and stringers in places »									
		« 74.30- 77.40 TRACE TO LOW GRADE. Silicified massive sparry limestone with a 3 cm wide Zn mineralization band »									
		« 77.40- 79.10 LOW GRADE. Core loss, extremely silicified massive mudstone and limestone; laminations in places »									
		« 79.10- 82.60 TRACE. Sinistral shear sensed massive sparry limestone lacking laminations »									
		« 82.60- 83.60 MODERATE GRADE. Zn laminated mudstone flanking a 20 cm wide galena rimmed limestone »									
		« 83.60- 84.10 TRACE. Siliceous massive mudstone »									
		« 84.10- 85.00 MODERATE TO HIGH GRADE. Extremely silicified silty mudstone with high Zn lamina, localized quartz calcite brecciation »									
		« 85.00- 85.40 TRACE. Sheeted calcite veining limestone »									
		« 85.40- 86.00 MODERATE GRADE. Silicified laminated mudstone and limestone »									
		« 86.00- 87.30 LOW TO MODERATE GRADE. Silicified sparry limestone mineralized with Zn through overprinting »									
		« 87.30- 88.60 MODERATE GRADE. Highly silicified mudstone and limestone, well laminated, shear sense deformed »									
		« 88.60- 90.00 LOW GRADE. Silicified moderately laminated sparry limestone »									

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		« 90.00- 100.50 TRACE TO LOW GRADE. High strain zone of USMS style lithology, lacking alteration and mineralization as well; without laminations, shear sensed deformations with dextral features, stylolite, microfaults, some graphitic slickensides »									
		‹ @ 95.10 Possible bedding = 77° TCA ›									
		‹ @ 95.10 Cleavages = 28° TCA ›									
100.50	180.00	CCMS	E5573818	100.50	102.00	1.50					
		CCMS – Calcareous Mudstone	E5573819	102.00	103.00	1.00					
			E5573820	103.00	103.00	0.00					
		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 »,									
		« 100.50- 119.60 FLT zone; fault gouge; no cohesive strength; parallel to S1=22° TCA; rubble; shear sense »									
		« 119.60- 121.70 Shear sense deformation zone »									
		‹ @ 121.30 Possible bedding a=76° TCA ›									
		‹ @ 121.40 Cleavage=17° TCA ›									
		« 121.70- 126.60 FLT with fault gouge; no cohesive strength; rubble; parallel to S1=46° TCA; »									
		« 126.60- 132.00 Foliation cleavage domain »									
		« 132.00- 136.30 FLT with fault gouge; no cohesive strength; rubble; parallel to S1 »									



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