

Hole No.: HCW-094	Depth: 75.00 m	Horizontal Length: 0.00 m	Project: 1710
Location Data:			
Property:	Selwyn Project	Claim Name:	NOD 49
Mining District:	Selwyn Basin	Grant Number:	YB49413
Province/Territory:	Yukon		
UTM Co-Ordinates & Altitude of Drill Hole Collar:			
UTM Easting:	480666.86 m	True Azimuth:	3.0 °
UTM Northing:	6932026.94 m	Hole Angle:	-65.0 °
Elevation (m):	1203.56 m	NTS Name:	No Title
		UTM Datum:	NAD8 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:	63.0 °		
Dimond Drilling Contract:			
Drilled By:	NL-02	Date Drilling Start:	4-Sept-15
		Date Finish:	8-Sept-15
Diamond Drill Core:			
Logged By:	H. Grimson	Date Logging Start:	7-Sept-15
		Date Finish:	7-Sept-15
Legend for Core Logging Codes: PAX			
Core Size:	PQ	Cemented:	No
Casing Depth:	39.80 m	Casing Pulled:	No
Water Depth:	0.00 m	Overburden Depth:	39.80 m
Level:		Section:	
		Drift:	

Selwyn Project

Diamond Drill Log

Survey Data for Hole

HCW-094

Hole Comments:

Fri, Sep 04 --- DS: Drilled from 115.5-117m. Shut down; performed surveys at EOH and redo @45m. Pull rods and casing, demob waterline+pump. Move to new set -up HCW-MET-E, set up to begin drilling of HCE-094. NS: Set 25.5m of casing and drilled ahead to 27m. Lots of sand in hole, high torque.

Sat, Sep 05 --- DS: Reamed casing down to 33m. Sand, clay and broken rock, difficulty advancing, pulled PQ several times. Shoe, bit and shell- gone. NS: Drill ahead of casing down to 36m. Lots of sand, pill casing and change shoe. Current lithology: OVBR observed up to 24m.

Sun, Sep 06 --- DS: Drilled from 36-52.5m. Reamed casing from 30-34.5, running thick Bentonite and reaming to keep free. Good rock at 40.5m with full return inside and outside of casing. FLTed between 48-52m with low recovery. NS: Drilled from 52.5-75.0m. Poor recovery from 52.5-55.5m with high torque. Finished drilled TD 1hr before end of shift. Intersected ACTM from 39.4-50.5m and from 54.8-66.1m. Shot down at crew change.

Mon, Sep 07 ---DS: Hole shut down (75m EOH), rods and most of casing pulled, tear down and commence demobilization.

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-65.0	3.0
52.50	-63.7	3.5
73.50	-62.3	5.5

Selwyn Project Diamond Drill Log

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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	39.80	OVBR « 0.00- 22.40 <0.5m recovery, allochthonous clasts, polymictic: sandstone, conglomerate, qtz veins; no fine material » « 22.40- 26.40 diamict: poorly sorted polymictic clasts (1-3cm, mudstone, limestone, sandstone, granite) suspended in a sand-matrix » « 26.40- 34.00 large polymictic clasts, lacking fine material (wash away?), allochthonous- conglomerate, sandstone and possibly autochthonous mudstone and limestone » « 34.00- 39.80 poorly-moderately sorted clasts (<0.1-2.5cm, average 0.2cm) suspended in compacted sand and minor clay; clasts are polymictic: granite, mudstone, limestone »									
39.80	66.10	ACTM <i>ACTM – Active Member</i> <i>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.</i> ===== <i>The ACTM has 8 different facies:</i> ===== - GREY CHERT FACIES: Consists of laminated medium light grey to medium dark grey chert. Mineralization: 95-99% quartz and up to 5% secondary calcite. - WHITISH GREY ZN-PB MUDSTONE FACIES: Is a laminated cherty rock containing up									

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		<p>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> <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>									

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		<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>« 39.80- 40.50 MODERATE-HIGH GRADE (Ave %Zn/Pb: 6.3/ 0.4); non-calcareous dark grey mudstone with very faint laminae offset by parallel fluid escape wispy structures; blocky offset; disseminated pyrite and stretched pyrite bands »</p> <p>« 40.50- 41.20 LOW-MODERATE GRADE (Ave %Zn/Pb: 1.8/0.4); 30cm limestone followed by ±calcareous, dark grey, graphitic mudstone with low angle stair-step slickenside surfaces; qtz-calcite stockworking with significant pyrite overprinting+banding »</p> <p>« 41.20- 41.80 HIGH GRADE (Ave %Zn/Pb: 8.0/1.0); dark grey black siliceous mudstone, non to very faintly laminated; thick high grade bands up to 10cm defined by pale grey-beige colour, coarse sphalerite grains to fine grained disseminated sphalerite- massive and locally laminated with offset along fluid escape structures enriched by Pb; non-calcareous; rubble zone»</p> <p>« 41.80- 42.40 TRACE GRADE (Ave %Zn/Pb: 0.2/0.4); rubble zone; black graphitic mudstone, visually appears to be barren, easily breaks along graphitic planes (low cohesive strength) »</p> <p>« 42.40- 43.80 MODERATE GRADE (Ave %Zn/Pb: 3.3/0.6); variable mineralization in this region; very broken, carbonaceous graphitic mudstone, homogenous with wide-spaced mineralized laminations (highly deformed) ±secondary galena and orange sphalerite crystals; non calcareous, siliceous; local limestone at end of interval (~30cm) »</p> <p>« 43.80- 44.60 MODERATE GRADE (Ave %Zn/Pb: 4.8/ 0.1); dark grey-black</p>									

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		<p><i>mudstone with fine grained pale-grey sphaleritic bands that have been deformed (broken into blocky fragments and rotated within mudstone); mudstone grade ranges from low-moderate whereas bands tend to be high grade; localized sedex laminations are offset along carbonaceous fluid escape structures and with local healed brecciation along healed microfaults »</i></p> <p>« 44.60- 45.10 TRACE-LOW GRADE (Ave %Zn/Pn: 0.2/0.1); broken region, carbonaceous black mudstone, non-laminated, non calcareous »</p> <p>« 45.10- 46.20 MODERATE GRADE (Ave % Zn/Pb: 4.5/0.8); well defined mineralized laminations that are commonly offset along healed microfault planes; medium grey, silicified muddy limestone, non calcareous; rubble zone from 45.5-45.8 »</p> <p>« 46.20- 46.60 TRACE-LOW GRADE (Ave %Zn/Pb: 0.4/0.1); graphitic massive mudstone (non laminated), rubble zone with angular clasts (mechanical damage) »</p> <p>« 46.60- 47.20 LOW GRADE (Ave %Zn/Pb: 1.6/0.7); less broken than above, massive mudstone »</p> <p>« 47.20- 50.70 TRACE GRADE (Ave Zn/Pb: 0.2/0.1); rubble zone; carbonaceous black mudstone, massive, pyrite blebs, decrease clast size with depth; non calcareous, minor limestone »</p> <p>« 50.70- 54.50 BARREN DACITE DYKE; siliceous pale green intrusive unit with plagioclase phenocrysts; rubble zone (angular and with mechanical rounding), significant core loss »</p> <p>« 54.50- 56.50 BARREN; massive limestone with calcite stockworking <5%; from 54.5-54.6: ~20cm wide pitted healed partial breccia and rubble (due to mechanical damage along historic weakness planes) »</p> <p>« 56.50- 57.00 BARREN; FLT zone, carbonaceous gg and rubble, low cohesion strength of intact core, calcareous 61°»</p>									

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		<p>« 57.00- 61.50 BARREN-TRACE GRADE; carbonaceous graphitic mudstone resembling USMS with wavy calcareous and calcite bands, local ±laminated limestone; broken (mechanical) damage »</p> <p>« 61.50- 63.00 BARREN; FLT-rubble region, graphitic carbonaceous mudstone gg and fine graphitic slaty fragments, low cohesion; significant core loss, ~0.8m recovery »</p> <p>« 63.00- 63.50 BARREN; resembles USMS, waxy calcite bands, mirror graphite along open fractures »</p> <p>« 63.50- 66.10 BARREN; basal limestone, pale grey, typical slumping features, <5% calcite veining »</p>									
66.10	75.00	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>« 70.20- 73.40 rubble zone; graphitic slaty mudstone clasts with low cohesive strength; slickensided mirror planes along open fractures/joints 12°»</p> <p>« 73.40- 75.00 Dacite dyke; very bleached, whiteish grey-green in colour with clay alteration »</p>									
75.00	75.00	EOH									