

Hole No.: DNE-130	Depth: 124.50 m	Horizontal Length: 0.00 m	Project: 1710
Location Data:			
Property:	Selwyn Project	Claim Name:	NOD 39
Mining District:	Selwyn Basin	Grant Number:	YB49405
Province/Territory:	Yukon		
UTM Co-Ordinates & Altitude of Drill Hole Collar:			
UTM Easting:	479224.06 m	True Azimuth:	213.0 °
UTM Northing:	6933200.73 m	Hole Angle:	-70.0 °
Elevation (m):	1159.56 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:	273.0 °		
Dimond Drilling Contract:			
Drilled By:	NL-01	Date Drilling Start:	31-Oct-14
		Date Finish:	03-Nov-14
Diamond Drill Core:			
Logged By:	E. Hou	Date Logging Start:	02-Nov-14
		Date Finish:	04-Nov-14
Legend for Core Logging Codes: PAX			
Core Size:	PQ	Cemented:	No
Casing Depth:	42.10 m	Casing Pulled:	Yes
Water Depth:	0.00 m	Overburden Depth:	42.10 m
Level:		Section:	
		Drift:	

Selwyn Project

Diamond Drill Log

Survey Data for Hole

DNE-130

Hole Comments:

Sat, Nov 01 --- DS: Moved drill and set up at DNE-METb pad. Reset water line. Started casing. NS: Continued casing to 31.5m. Very sandy area, hole caved in each time rods pulled back, flushed hole lots. Reached 37.5m depth.

Sun, Nov 02 --- DS: Very high torque due to reaming through sand for the first 42m. Casing to 40.5m depth. Used blue and gold, #1 and canola oil to advance. Changed casing shoe. Reached 42m depth. NS: Reamed with new shoe for additional 5 hours. Advanced to 55.5m depth. (1x PQ bit worn through from reaming to be changed).

Mon, Nov 03 --- DS: Freed up casing for 1 hr. Good drilling conditions, casing to 40.5m, Drilling to 120m depth. NS: Issue of overflowing sump addressed and remediated at beginning of night shift. Casing spinning and free. Survey completed at 100m, reached 124m. ACTM intersected from 78.1 to 79.5m depth. Hole shut down in the morning.

Tue, Nov 04 --- DS: Shut DNE-130 down, pulled rods and casing. Moved water line and pump to new location. Set up drill at DNE-131. NS: Casing to 18m. Started drilling, reached 31m depth.

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-70.0	213.0
50.00	-69.2	215.7
100.00	-66.8	217.8
123.00	-66.0	213.2

Selwyn Project Diamond Drill Log

Hole Number:
DNE-130

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	42.10	OVBR									
<p>« 0.00- 24.40 No core recovery was made, and Quaternary geology is referred to the Sonic Program in this area »</p> <p>« 24.40- 25.50 Fluvial low energy sand »</p> <p>« 25.50- 42.10 Unsorted, sub-angular fluvial sediment lacking in iron oxidation zone »</p>											
42.10	42.80	FLMD									
<p><i>FLMD – Flaggy Mudstone Formation</i></p> <p><i>Dark grey mudstone in the upper portions of the unit grading into light grey mudstone to siltstone. Contains abundant wispy bioturbation which ranges from randomly-oriented at the top of the unit to bedding-parallel throughout the majority of the unit. Darker upper section has a strong fetid odour along broken surfaces. « btrb 0.10-2.00cm », « cg xtl crns ca 1.00-5.00% 5.00-150.00cm », « crns py 1.00-5.00% 0.10-0.50mm »,</i></p> <p>« @ 42.40 Pyrite calcite band $\alpha=62^{\circ}$ TCA »</p> <p>« @ 44.80 Prevailing cleavages $\alpha=60^{\circ}$ TCA »</p> <p>« 49.10- 56.50 FLT zone with the FLT core zone @50.6 to 51.7m enveloped by FLT damage zones »</p> <p>« @ 42.80 Contact between FLMD and USMS defined by coloration and lithology $\alpha=70^{\circ}$ TCA »</p>											
42.80	78.10	USMS									
<p><i>USMS – Upper Siliceous Mudstone</i></p> <p><i>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% »,</i></p>											

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		<p>◁ @ 48.30 Possible bedding $\alpha=65^\circ$ TCA ▷</p> <p>« 48.60- 52.80 FLT characterized by fault gouge, and low to no cohesiveness. Possible upper contact slickenside $\alpha=38^\circ$ TCA; the lower contact slickenside $\alpha=64^\circ$ TCA »</p> <p>« 55.60- 58.90 FLT in and parallel to S1 domain; with fault gouge and low cohesiveness, prevailing cleavages $\alpha=60^\circ$ TCA »</p> <p>◁ @ 61.90 Echelon calcite array between two 2cm apart calcite veinlets; the veins $\alpha=50^\circ$ TCA, associated with pyrite calcite pressure shadows. The angle between the veins and the echelon shows the section below the hole axial moves up ▷</p> <p>« 62.60- 73.50 FLT damage zone in S1 domain, locally strongly deformed into mylonite and boudinages »</p> <p>« 73.50- 77.30 FLT with fault gouge, and low to no cohesiveness, possibly parallel to S1 domain, possible slickenside $\alpha=70^\circ$ TCA, not strongly graphitic »</p>									
78.10	97.80	ACTM									
		<p>ACTM – Active Member</p> <p>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.</p> <p>=====</p> <p>The ACTM has 8 different facies:</p> <p>=====</p>									

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		<p>- GREY CHERT FACIES: Consists of laminated medium light grey to medium dark grey chert. Mineralization: 95-99% quartz and up to 5% secondary calcite.</p> <p>- 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.</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</p>									

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		<p>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>< @ 78.10 Silicified pyrite (calcite) band as the end indicator of ACTM with localized weak anomaly, 0.11% Zn by Niton ></p> <p>« 78.10- 78.50 TRACE TO BARREN, FLT with fault gouge and no cohesiveness; slickenside $\alpha=48^\circ$ TCA. No Zn is detected by Niton »</p> <p>« 78.50- 81.00 HIGH TO MODERATE GRADE, with Zn%/Pb% by Niton: 7.1/1.1; 14.5/1.2; 6.1/1.0; 6.6/0.7; 7.1/0.3; 2.9/0.2; 9.4/0.5; 1.8/0.3; 5.0/0.7, silicified black mudstone intercalated with sparry limestone with sedex Zn mineralization, in a graphitic, broken « FLT » damage zone controlled by S1 domain, »</p> <p>« 81.00- 81.30 HIGH TO MODERATE GRADE, with Zn%/Pb% by Niton: 12.9/0.9; 2.5/0.2; 7.1/0.6; 1.4/0.1; 10.3/0.4; 2.2/0.1, weakly to moderately silicified limestone with minor galena stringers, possible water escape structures, and micro offsets »</p> <p>« 81.30- 82.50 TRACE/BARREN, with Zn%/Pb% by Niton: 0.03/0.0; 0.18/0.01; 0.0/0.0, micritic limestone with two sets of calcite veins. Vein I: $\alpha=40^\circ$ TCA cut by echelon Vein II $\alpha=18^\circ$ TCA »</p>									

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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%
		« 82.50- 83.70 LOW TO MODERATE GRADE, with Zn%/Pb% by Niton: 3.5/0.05; 4.3/0.2; 3.2/0.1; 17.9/2.0; 0.9/0.2; 0.3/0.05; 3.2/0.25, deformed, calcite veined, moderately silicified sparry limestone, with deformed water escape structures, finely laminated, with galena stringers associated with calcite »									
		« 83.70- 84.70 HIGH GRADE, with Zn%/Pb% by Niton: 14.3/1.3; 8.9/1.0; 1.1/0.1; 15.6/0.62; 2.6/0.17; 11.5/1.9, moderately silicified, sedex Zn mineralized sparry limestone with moderate Zn overprinting »									
		« 84.70- 86.30 LOW TO MODERATE with Zn%/Pb% by Niton: 0.99/0.01; 2.1/0.4; 0.78/0.07; 0.11/0.29; 0.21/0.08; 2.3/0.1; 1.8/0.1; 0.18/0.06; 2.3/0.4, weakly silicified, laminated sparry limestone with patchy galena, limestone boudinages $\alpha=79^\circ$ TCA »									
		« 86.30- 87.40 HIGH GRADE, with Zn%/Pb% by Niton: 19.6/4.9; 5.5/0.72; 10.5/2.0; 4.1/0.7; 7.1/0.4; 1.2/0.1, strongly silicified, finely laminated sedex Zn mineralized sparry limestone with deformed water escape structures, locally strong Pb-Zn overprinting filling in foliations @ $\alpha=58^\circ$ TCA; micro faults making Zn laminae offset; galena stringers and patches in places »									
		« 87.40- 88.00 LOW GRADE, with Zn%/Pb% by Niton: 1.1/0.3; 5.1/0.8; 1.1/0.3; 0.0/0.0; 2.5/0.2, highly silicified sparry limestone with galena stringers on the contact between silicified and unsilicified limestone »									
		« 88.00- 89.70 TRACE/BARREN, not silicified sparry limestone, locally with high Zn spot, mostly no Zn detected using Niton »									
		« 89.70- 95.10 TRACE/BARREN, with Zn%/Pb% by Niton: 0.5/0.01; 0.0/0.; 0.04/0.0; 0.38/0.0, « USMS » style deformed mudstone with brecciated limestone concretions with pyrite patches following S1 $\alpha=48^\circ$ TCA »									
		« 95.10- 97.80 TRACE/BARREN, basal micritic limestone without visible alteration and mineralization, with laminated limestone band as the end indicator of ACTM »									

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97.80	124.50	CCMS ----- CCMS – Calcareous Mudstone 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 », « 97.80- 106.50 S1 domain $\alpha=63^\circ$ TCA controls the distributionand and orientation of calcite quartz veining; ductile deformation is present » « 106.50- 108.80 FLT damage zone, S1 controlled with fault gouge and low cohesiveness, also parallel to S1 direction » « 110.40- 115.30 FLT damage zone with shear sense in a $S1=48^\circ$ TCA cleavage domain, also with ductile deformation » « @ 119.00 Cleavages with calcite echelon $\alpha=22^\circ$ TCA » « 117.90- 118.80 Calcite quartz vein: the upper contact $\alpha=24^\circ$ TCA and the lower contact $\alpha=52^\circ$ TCA »									
124.50	124.50	EOH									