

<b>Hole No.:</b> DNE-133	<b>Depth:</b> 117.00 m	<b>Horizontal Length:</b> 0.00 m	<b>Project:</b> 1710
<b>Location Data:</b>			
<b>Property:</b>	Selwyn Project	<b>Claim Name:</b>	NOD 39
<b>Mining District:</b>	Selwyn Basin	<b>Grant Number:</b>	YB49405
<b>Province/Territory:</b>	Tukon		
<b>UTM Co-Ordinates &amp; Altitude of Drill Hole Collar:</b>			
<b>UTM Easting:</b>	478908.60 m	<b>True Azimuth:</b>	208.5 °
<b>UTM Northing:</b>	6933251.15 m	<b>Hole Angle:</b>	-78.5 °
<b>Elevation (m):</b>	1162.37 m	<b>NTS Name:</b>	No Title
		<b>UTM Datum:</b>	NAD 83
		<b>UTM Grid Zone:</b>	9
		<b>NTS Number:</b>	105I12
<b>Grid Co-Ordinates of Drill Hole Collar:</b>			
<b>Grid Easting (m):</b>	0.00 m	<b>Grid Name:</b>	HP 06
<b>Grid Northing (m):</b>	0.00 m	<b>Grid Type:</b>	100m
<b>Grid Azimuth:</b>	276.0 °		
<b>Dimond Drilling Contract:</b>			
<b>Drilled By:</b>	NL-02	<b>Date Drilling Start:</b>	31-Aug-15
		<b>Date Finish:</b>	04-Sep-15
<b>Diamond Drill Core:</b>			
<b>Logged By:</b>	EH	<b>Date Logging Start:</b>	05-Sep-15
		<b>Date Finish:</b>	07-Sep-15
<b>Legend for Core Logging Codes:</b> PAX			
<b>Core Size:</b>	PQ	<b>Cemented:</b>	No
<b>Casing Depth:</b>	0.00 m	<b>Casing Pulled:</b>	Yes
<b>Water Depth:</b>	0.00 m	<b>Overburden Depth:</b>	0.00 m
<b>Level:</b>		<b>Section:</b>	
		<b>Drift:</b>	

# Selwyn Project

## Diamond Drill Log

### Survey Data for Hole

# DNE-133

**Hole Comments:**

Sun, Aug 30 --- Drill assembled and dragged to target. Set up. No night shift.

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Mon, Aug 31 --- DS: Set casing down to 16.5m, drilled to ~21m. NS: Drilled to 43.5m. Rods stuck in ground. Spent half of the night attempting to free them.

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Tue, Sep 01 --- DS: Attempted to free stuck rods. Re-leveled drill with excavator. Began reaming casing over rods. NS: Continued reaming more casing over rods.

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Wed, Sep 02 --- DS: Drilled from 43.5-46.5m Continued to ream casing over stuck drill rods. Pull PQ to replace barrel. NS: Drilled to 73.5m in blocky rock with some reaming. Current lithology unknown as core still at drill.

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Thu, Sep 03 --- DS: Drilled from 73.5-99m; coring all shift with 2hrs of conditioning. NS: Drilled from 99-115.5m. Lost core @ ~101m, had to pull and lower rods and ream for 15m. High torque while drilling through FLT. Test at 100.5m. Intersected ACTM from 36.5-103.2m.

<i><b>Depth</b></i>	<i><b>Dip</b></i>	<i><b>Azimuth</b></i>
0.00	-78.5	208.5
45.00	-78.5	208.7
117.00	-78.8	208.9
115.00	-78.8	208.9

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Hole Number:  
**DNE-133**

**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%
<b>0.00</b>	<b>19.50</b>	<b>OVBR</b>									
« 0.00- 16.50 No core was recovered from the casing interval »											
« 16.50- 19.50 Allochthonous polymictic pebbles with minor clay »											
<b>19.50</b>	<b>35.90</b>	<b>USMS</b>									
USMS – Upper Siliceous Mudstone											
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% »,											
About 7m « USMS » was sent with « ACTM » to SGS for test - « USMS » is not Zn nor Pb mineralized and can be used as buffer material											
« 19.50- 35.90 Extremely broken core, with abundant graphitic steplike slickensides. It is a foliation cleavage domain controlled high strain zone with shear sense deformation and localized fault gouge; locally with 0.22% Zn by Niton. Deformed boudinage and barite alteration are present »											
<b>35.90</b>	<b>103.50</b>	<b>ACTM</b>									
ACTM – Active Member											
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.											
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The ACTM has 8 different facies:											
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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 &amp; 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>									

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		<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>« 35.90- 37.30 0.44% Zn and 0.01% Pb ON AVERAGE BY NITON. There is a 3 cm wide calcite quartz crystal sphalerite veinlet cutting in deformed siliceous carbonaceous mudstone (with sheeted calcite veinlets); core is quite broken, prevailing foliation orientation <math>\alpha</math>=TCA 48° »</p> <p>« 37.30- 38.50 5.15% Zn and 0.47% Pb ON AVERAGE BY NITON. Broken core and fault gouge. Silicified, barite altered sparry limestone with disseminated and laminated Zn; locally up to 25% pyrite »</p> <p>« 38.50- 40.20 7.61% Zn and 1.03% Pb ON AVERAGE BY NITON. Deformed Sedex Zn laminae (fine grain size) in silica flooded sparry limestone, locally with sphalerite filled water escape structures; brecciation, galena veinlets and stringers are present »</p> <p>« 40.20- 40.70 0.15% Zn and 0.56% Pb ON AVERAGE BY NITON. Structural melange of recrystallized sparry limestone and mylonitized mudstone with abundant L-tectonite of pressure shadowed calcite pyrite porphyroblasts; weakly silicified, with shear sense deformation, locally with 25% pyrite »</p> <p>« 40.70- 42.40 2.18% Zn and 0.11% Pb ON AVERAGE BY NITON. Foliated silica flooded sparry limestone cut by L-tectonite of stretched, broken pyrite veins, with wide-spaced, thin Sedex Zn laminae and galena calcite quartz veinlets, minor to moderate carbonaceous material »</p> <p>« 42.40- 43.00 0.22% Zn and 0.07% Pb ON AVERAGE BY NITON. Strongly mylonitized carbonaceous mudstone with sparse Sedex Zn laminae »</p> <p>« 43.00- 43.50 3.17% Zn and 0.27% Pb ON AVERAGE BY NITON. Sedex sphalerite laminae in deformed, silica flooded sedimentary melange of micritic</p>									

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		<p><i>limestone and mudstone, minor carbonaceous material »</i></p> <p>« 43.50- 45.00 0.2% Zn and 0.0% Pb ON AVERAGE BY NITON. It is a FLT, with fault gouge, low to no cohesive strength; in a foliation mylonitization domain, with barite alteration »</p> <p>« 45.00- 46.50 6.61% Zn and 0.75% Pb ON AVERAGE BY NITON. Pyrite Sedex Zn laminae in shear sense deformed micritic limestone/sparry limestone; 15% pyrite and minor carbonaceous; disseminated Zn is present »</p> <p>« 46.50- 47.40 0.27% Zn and 0.09% Pb ON AVERAGE BY NITON. Leached (halite?) silicified, quartz calcite veined micritic limestone with some sparry limestone, locally brecciated/mylonitized »</p> <p>« 47.40- 48.20 14.58% Zn and 1.26% Pb ON AVERAGE BY NITON. Sedex ore in silicified micritic limestone/sparry limestone with galena filling in foliations; shear sense deformed »</p> <p>« 48.20- 49.10 0.41% Zn and 0.01% Pb ON AVERAGE BY NITON. Massive graded sparry limestone, locally brecciated, with pyrite calcite veins; strong silicification occurs on the contact to Sedex Zn minerlaization, interestingly with localized leaching lattices »</p> <p>« 49.10- 51.00 12.40% Zn and 1.26% Pb ON AVERAGE BY NITON. Sedex Zn ore in sheared, mylonitized structural melange, silica flooded, with galena stringers, sparry limestone predominating »</p> <p>« 51.00- 51.60 5.46% Zn and 0.54% Pb ON AVERAGE BY NITON. Locally calcite veined massive micritic / sparry limestone with up to 9% disseminated Zn »</p> <p>« 51.60- 52.50 15.13% Zn and 4.60% Pb ON AVERAGE BY NITON. Silica flooded micritic limestone hosts high Zn Sedex ore, with sphalerite and galena in water escape strucutres »</p> <p>« 52.50- 52.90 0.15% Zn and 0.0% Pb ON AVERAGE BY NITON. Massive graded sparry limestone with weak silicification nor visible Zn mineralization »</p> <p>« 52.90- 53.90 5.08% Zn and 1.86% Pb ON AVERAGE BY NITON. Silica flooded micritic limestone/sparry limestone with Sedex Zn mineralization »</p> <p>« 53.90- 54.80 1.82% Zn and 0.29% Pb ON AVERAGE BY NITON. Locally brecciated with galena stringers in deformed sparry limestone with leaching lattices, minor disseminated Zn »</p> <p>« 54.80- 55.20 6.64% Zn and 0.76% Pb ON AVERAGE BY NITON. Strongly</p>									

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		<p>deformed, silica flooded polymictic breccia with Sedex Zn laminae, overprinted by Zn water escape structures »</p> <p>« 55.20- 55.50 0.26% Zn and 0.027% Pb ON AVERAGE BY NITON. Moderately silicified massive sparry/micritic limestone »</p> <p>« 55.50- 57.80 5.43% Zn and 0.89% Pb ON AVERAGE BY NITON. Silica flooded micritic limestone mixed with sparry limestone mineralized with Sedex and disseminated Zn »</p> <p>« 57.80- 61.50 0.56% Zn and 0.079% Pb ON AVERAGE BY NITON. Massive USMS style lithology, strongly deformed, quartz calcite vein from 60.9 to 61.2m »</p> <p>« 61.50- 63.80 0.11% Zn and 0.1% Pb ON AVERAGE BY NITON. Shear mylonite zone in USMS style lithology, graphitic fragments in mudstone, and recrystallization in sparry limestone, barite altered. »</p> <p>« 63.80- 64.50 0.014% Zn and 0.01% Pb ON AVERAGE BY NITON. FLT gouge, high carbonaceous, limestone predominates »</p> <p>« 64.50- 75.50 0.056% Zn and 0.0% Pb ON AVERAGE BY NITON. Highly strained USMS style lithology without visible Zn mineralization; multiple staged faulting and offsets; twisted boudinages, distorted and close up folds, stretched thinned L-tectonite »</p> <p>« 75.50- 77.00 7.75% Zn and 2.00% Pb ON AVERAGE BY NITON. Broken core, Sedex Zn in sedimentary melange of micritic /sparry limestone, and carbonaceous mudstone »</p> <p>« 77.00- 77.70 0.22% Zn and 0.022% Pb ON AVERAGE BY NITON. Massive sparry limestone with minor disseminated Zn »</p> <p>« 77.70- 78.60 7.92% zn and 0.95% Pb ON AVERAGE BY NITON. Structural melange of slump breccia, with galena and sphalerite filling in water escape structures, silica flooded, exceedingly close up folded »</p> <p>« 78.60- 79.30 0.26% Zn and 0.11% Pb ON AVERAGE BY NITON. Silicified massive sparry limestone with galena stringers; @78.8m there is a 5cm high Zn laminae »</p> <p>« 79.30- 81.20 8.44% Zn and 1.22% Pb ON AVERAGE BY NITON. Disseminated and Sedex Zn mineralization in silica flooded sparry limestone »</p> <p>« 81.20- 82.60 2.84% Zn and 1.48% Pb ON AVERAGE BY NITON. Structural melange of extremely deformed, Sedex Zn laminated sparry limestone, with abundant pyrite porphyroblasts and L-tectonite associated with high galena</p>									



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		<p>veinlets/stringers »</p> <p>« 82.60- 83.40 5.21% Zn and 3.40% Pb ON AVERAGE BY NITON. Sedex sphalerite and galena laminae in silica flooded sparry/micritic limestone and mudstone with wide-spaced water escape structures »</p> <p>« 83.40- 85.60 0.1% Zn and 0.01% Pb ON AVERAGE BY NITON. Barren massive physically deposited black mudstone without much visible Zn »</p> <p>« 85.60- 86.30 8.75% Zn and 1.79% Pb ON AVERAGE BY NITON. Sedex Zn-Pb ore in silica flooded sparry limestone, patchy mineralization »</p> <p>« 86.30- 87.60 0.091% Zn and 0.01% Pb ON AVERAGE BY NITON. Massive sparry limestone with stylolite structures »</p> <p>« 87.60- 93.60 9.11% Zn and 1.98% Pb ON AVERAGE BY NITON. Sedex ore of Zn-Pb in silica flooded micritic /sparry limestone and mudstone, with sphalerite and galena filled in water escape structures; galena also occurs in contacts to limestone and brown Zn laminae; it seems that galena is later than Zn mineralization; the former is definitely coarser than the latter »</p> <p>« 93.60- 101.50 0.35% Zn and 0.07% Pb ON AVERAGE BY NITON, Highly strained USMS style lithology, shear sense deformed, without much visible Zn mineralization »</p> <p>« 101.50- 103.50 0.00% Zn and 0.00% Pb ON AVERAGE BY NITON. Barren, unaltered basal micritic limestone, deformed, locally mylonitized »</p>									
<b>103.50</b>	<b>117.00</b>	<b>CCMS</b>									
		<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</p>									





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