

Hole No.: DNE-103	Depth: 237.00 m	Horizontal Length: 0.00 m	Project: 1710
Location Data:			
Property:	Selwyn Project	Claim Name:	NOD 41
Mining District:	Selwyn Basin	Grant Number:	YB49405
Province/Territory:	Yukon		
UTM Co-Ordinates & Altitude of Drill Hole Collar:			
UTM Easting:	479302.45 m	True Azimuth:	57.0 °
UTM Northing:	6932954.55 m	Hole Angle:	-85.0 °
Elevation (m):	1168.88 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:	117.0 °		
Dimond Drilling Contract:			
Drilled By:	NL-02	Date Drilling Start:	23-May-14
		Date Finish:	28-May-14
Diamond Drill Core:			
Logged By:	H. Grimson	Date Logging Start:	04-June-14
		Date Finish:	10-June-14
Legend for Core Logging Codes: PAX			
Core Size:	NQ3	Cemented:	No
Casing Depth:	18.00 m	Casing Pulled:	Yes
Water Depth:	0.00 m	Overburden Depth:	18.00 m
Level:		Section:	
		Drift:	

Selwyn Project

Diamond Drill Log

Survey Data for Hole

DNE-103

Hole Comments:

Thu, May 22 ---DS crew arrived, 8 hours maintenance on rig.

Fri, May 23 --- DS: crew working on drill, ready for move tomorrow. No night shift.

Sat, May 24 --- DS: Helped move both rigs. Helper running hoseline to rig 1. Build sump for supply pump, laying water line to rig 2. No night shift.

Sun, May 25 ---DS: No major issues, slow drilling of casing (in broken ground?) 24m. Changed May 26th to reflect actual drilling, yesterday DDU said down to 17m, actually 24m. No night shift.

Mon, May 26 --- DS: No major issues, drilled 36m to total depth of 60m, advanced (reamed?) casing to 28.5m. Unknown lithology, no core in camp yet. No night shift.

Tue, May 27 ---DS: No major issues, drilled 63m down total depth of 123m. Pulling back every 6m to grease ream and wash hole. Currently in USMS. No night shift.

Wed, May 28 --- DS: Bit wore off at 127m in hole, pull rods install used bit and drill out old bit, pull rods and install new bit. Greased rods down to 147m, hole free but broken rock. Drilled 24m down to total depth of 147m. NS: Clayton from NL-01 moved over to this drill after finishing tear down on NL-01 for move at ~12:30AM. 21m of drilling down to total depth of 168m. Only observed to 119.2m which was USMS.

Thu, May 29 ---DS: No major issues, pulling back to grease brokend and soct sections, reaming and washing. Drilled 69m down total depth 237m. Drill shut down ~6pm, begin packup. NS: Had to do all surveys on way out of hole (tool at other drill). Pack up and complete a horribly muddy move, lined up on Pad DNE-851 to drill DNE-105 at 2:30AM, likely setting hoseline and pump rest of shift.

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-85.0	57.0
50.00	-85.2	57.4
100.00	-85.3	58.1
150.00	-84.1	54.4
200.00	-85.1	69.8
237.00	-85.5	73.1

Selwyn Project Diamond Drill Log

Hole Number:
DNE-103

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	18.00	OVBR									
18.00	85.50	FLMD									
FLMD – Flaggy Mudstone Formation 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 », « 18.00- 26.50 OVBR? Flaggy mudstone rubble, sometimes sub-rounded » ‹ @ 52.00 S0 Fine laminations within limestone interval 74° › « 37.00- 33.00 Broken zone: 75%brco, 10% intco, 15%bx » « 45.00- 51.00 FLT: 15% bx, 60%brco, 20%intco, 5% gg » « 52.30- 76.00 FLT: 15% gg, 60%intco, 25%brco, 25%bx+gg »											
85.50	157.00	USMS	E6617901	155.00	156.00	1.00	0.01	0.10	1.25	3.70	0.08
USMS – Upper Siliceous Mudstone			E6617902	156.00	157.00	1.00	0.01	0.05	1.25	1.25	0.21
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% », ‹ @ 101.00 S0 Alligned chert bands 73° › ‹ @ 103.20 S0 Alligned chert bands 58° ›											

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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%
		< @ 117.30 S0 Aligned chert bands 49° >									
		< @ 146.30 S0 Unmineralized laminations 44° >									
157.00	190.00	ACTM	E6617903	157.00	157.80	0.80	0.68	4.44	1.25	141.00	0.15
<i>ACTM – Active Member</i>			E6617904	157.80	159.00	1.20	1.22	6.17	1.25	166.00	0.20
<p><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></p> <p>=====</p> <p><i>The ACTM has 8 different facies:</i></p> <p>=====</p> <p>- GREY CHERT FACIES: <i>Consists of laminated medium light grey to medium dark grey chert. Mineralization: 95-99% quartz and up to 5% secondary calcite.</i></p> <p>- WHITISH GREY ZN-PB MUDSTONE FACIES: <i>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.</i></p> <p>- THIN BEDDED CHERTY MUDSTONE FACIES: <i>Consists of rhythmic intercalated laminae of chert, carbonaceous mudstone and minor micrite. This facies contains significant amounts of Zn and Pb sulphides.</i></p>			E6617905	159.00	159.60	0.60	0.09	0.33	1.25	9.80	0.27
			E6617906	159.60	160.40	0.80	0.12	0.36	1.25	7.90	0.33
			E6617907	160.40	160.90	0.50	3.31	12.80	3.60	319.00	0.26
			E6617908	160.90	161.60	0.70	0.65	0.47	1.25	10.70	1.38
			E6617909	161.60	162.10	0.50	1.14	3.48	1.25	90.50	0.33
			E6617910	162.10	163.00	0.90	0.05	0.24	1.25	6.00	0.21
			E6617911	163.00	163.00	0.00	0.03	0.25	1.25	5.60	0.12
			E6617912	163.00	164.00	1.00	0.78	5.65	1.25	139.00	0.14
			E6617913	164.00	164.80	0.80	0.02	0.15	1.25	3.80	0.15
			E6617914	164.80	165.70	0.90	0.12	0.77	1.25	20.30	0.16
			E6617915	165.70	166.10	0.40	1.53	4.20	1.25	118.00	0.36
			E6617916	166.10	166.50	0.40	0.14	0.90	1.25	24.00	0.15
			E6617917	166.50	168.20	1.70	0.19	0.43	1.25	12.60	0.45
			E6617918	168.20	168.70	0.50	2.08	10.90	3.10	319.00	0.19
			E6617919	168.70	169.10	0.40	0.09	0.27	1.25	7.10	0.33
			E6617920	169.10	169.10	0.00	0.00	0.00	1.25	1.25	0.70
			E6617921	169.10	169.80	0.70	0.34	0.27	1.25	6.80	1.24
			E6617922	169.80	170.20	0.40	0.14	1.01	1.25	23.60	0.14
			E6617923	170.20	171.20	1.00	3.43	5.34	1.25	173.00	0.64
			E6617924	171.20	171.80	0.60	2.24	8.29	1.25	229.00	0.27
			E6617925	171.80	172.40	0.60	3.17	14.10	3.20	365.00	0.22
			E6617926	172.40	173.10	0.70	1.29	8.15	1.25	182.00	0.16
			E6617927	173.10	173.80	0.70	0.69	1.37	1.25	34.50	0.51
			E6617928	173.80	174.20	0.40	0.31	1.16	1.25	21.60	0.27
			E6617929	174.20	174.70	0.50	1.00	5.49	1.25	103.00	0.18
			E6617930	174.70	174.70	0.00	5.76	6.69	69.10	189.00	0.86
			E6617931	174.70	175.00	0.30	0.49	2.15	1.25	51.50	0.23

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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%
<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> <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>« 157.00- 157.80 High grade, strong laminations are tightly spaced, silicious, grainy spaleritic beds, dark grey-pale grey interlaminations, significant galena blebs a nd infil within water escape strucutres, large red-orange sphalerite crystals within quartz veins »</p>			E6617932	175.00	175.90	0.90	0.99	4.49	1.25	105.00	0.22
			E6617933	175.90	176.20	0.30	0.30	0.38	1.25	9.20	0.79
			E6617934	176.20	177.00	0.80	0.01	0.02	1.25	1.25	0.58
			E6617935	177.00	177.90	0.90	0.02	0.09	1.25	1.25	0.24
			E6617936	177.90	178.40	0.50	0.02	0.09	1.25	1.25	0.24
			E6617937	178.40	179.00	0.60	0.02	0.01	1.25	1.25	2.32
			E6617938	179.00	179.80	0.80	0.17	1.05	1.25	43.70	0.16
			E6617939	179.80	180.60	0.80	0.00	0.06	1.25	3.80	0.07
			E6617940	180.60	181.60	1.00	0.01	0.06	1.25	4.20	0.09
			E6617941	180.60	181.60	1.00	0.01	0.13	1.25	10.20	0.05
			E6617942	181.60	182.60	1.00	0.01	0.01	1.25	1.25	0.37
			E6617943	182.60	183.60	1.00	0.00	0.07	1.25	6.10	0.03
			E6617944	183.60	184.60	1.00	0.00	0.24	1.25	24.70	0.01
			E6617945	184.60	185.60	1.00	0.00	0.11	1.25	8.80	0.03
			E6617946	185.60	186.40	0.80	0.01	0.00	1.25	1.25	1.35
			E6617947	186.40	187.30	0.90	0.00	0.00	1.25	1.25	1.35
			E6617948	187.30	188.00	0.70	0.00	0.00	1.25	1.25	1.27
			E6617949	188.00	189.00	1.00	0.01	0.00	1.25	1.25	10.78
			E6617950	189.00	189.00	0.00	0.00	0.00	1.25	1.25	0.53
			E6617951	189.00	190.00	1.00	0.00	0.00	1.25	1.25	2.72

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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%
		« 157.80- 159.00 Moderate grade, silicious with minor limestone, moderate laminations are deformed, minor galena »									
		« 159.00- 160.40 Barren limestone, medium-course grained, graded »									
		« 160.40- 160.90 High grade, rubble zone (angular bx), strong and well defined laminations, tightly spaced, silicious, medium grey, minor galena »									
		« 160.90- 161.60 Barren graded limestone, course grained »									
		« 161.60- 162.10 Moderate-high grade, very well defined laminations are dominantly parallel, grainy pale sphaleritic beds, silicious »									
		« 162.10- 163.00 Moderate-low grade, calcareous, moderately defined parallel laminations, medium-dark grey »									
		« 163.00- 164.00 Moderate grade,gg-bx FLT @ top of interval with core loss, silicious, moderate-strongly defined laminations, dark grey »									
		« 164.00- 164.80 Low-trace grade, silicious mudstone, includes <20cm rubble zone @ the bottom of the interval, no visible laminations but faint egg-smell associated with HCl »									
		« 164.80- 165.70 Graded limestone, barren »									
		« 165.70- 166.10 High grade, silicious, pale grey, strong laminations, well defined sulphide-rich water escape structures, galena rich, pyritic »									
		« 166.10- 166.50 Barren mudstone, medium-dark grey, silicious, non laminated »									
		« 166.50- 168.20 FLT: 50%gg, 45%bx, 5% brco; silicious, carbonaceous mudstone »									

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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%
		« 168.20- 168.70 Rubble zone, high grade, pale-medium grey, silicious, very tight and well-defined laminations with microdeformations »									
		« 168.70- 169.10 Trace grade, silicious, medium-grey mudstone, not laminated, minor egg-smell associated with HCl »									
		« 169.10- 170.20 Trace-barren limestone with minor weakly silicious and weakly laminated mudstone »									
		« 170.20- 171.20 Moderate-high grade, silicious, medium grey, tight and moderate defined laminations, grainy sphaleritic course beds, large galena vein at end of interval »									
		« 171.20- 171.80 Moderate grade, rubble zone, silicious pale-grey mudstone with strong+deformed laminations, barren limestone concretions »									
		« 171.80- 173.10 High grade, silicious, pale grey ,well defined water escape structures infilled by galena, strong laminations with significant deformation, lamination s are locally blended (<10cm intervals), galena crystalization »									
		« 173.10- 174.20 Barren-trace limestone, local <15cm laminated unit »									
		« 174.20- 174.70 High grade, pale grey-medium grey interlaminations, silicious, very well defined laminations with blocky offset along galena-rich water escape structures »									
		« 174.70- 175.00 Barren limestone »									
		« 175.00- 175.90 High grade, very strong laminations with pale grey interlaminations, well-defined water escape structures, galena infill, course sphaleritic beds, weakly calcareous »									
		« 175.90- 176.20 Low-moderate grade, weakly calcareous, weak-moderately laminated, carbonaceous »									

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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%
« 176.20- 177.90 Barren limestone »											
« 177.90- 178.40 Barren limestone with large calcite vein »											
« 178.40- 179.80 Barren-trace mudstone, carbonaceous, minor wide-spaced laminated bands »											
« 179.80- 180.60 Graded limestone, barren »											
« 180.60- 185.60 Barren-trace mudstone, carbonaceous, poorly defined wide-spaced laminations, dominantly silicious »											
« 185.60- 190.00 Basal limestone, local mudstone »											
190.00	237.00	CCMS	E6617952	190.00	191.00	1.00	0.00	0.00	1.25	1.25	2.55
CCMS – Calcareous Mudstone			E6617953	191.00	192.00	1.00	0.01	0.00	1.25	1.25	5.29
			E6617954	192.00	192.00	0.00	1.38	2.92	19.80	186.00	0.47
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 »,											
‹ @ 204.50 S0 Pyrite band 59° ›											
‹ @ 216.30 S0 Calcite lineation 46° ›											
‹ @ 231.50 S0 Calcite lineation 45° ›											
‹ @ 234.80 S0 Calcite lineation 49° ›											
237.00	237.00	EOH									