

Hole No.: DNE-100	Depth: 118.50 m	Horizontal Length: 0.00 m	Project: 1710
Location Data:			
Property:	Selwyn Project	Claim Name:	NOD 43
Mining District:	Selwyn Basin	Grant Number:	YB49407
Province/Territory:	Yukon		
UTM Co-Ordinates & Altitude of Drill Hole Collar:			
UTM Easting:	479653.97 m	True Azimuth:	30.0 °
UTM Northing:	6932749.67 m	Hole Angle:	-64.0 °
Elevation (m):	1161.69 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:	90.0 °		
Dimond Drilling Contract:			
Drilled By:	CYR-01	Date Drilling Start:	10-May-14
		Date Finish:	12-May-14
Diamond Drill Core:			
Logged By:	L. Lewis	Date Logging Start:	13-May-14
		Date Finish:	15-May-14
Legend for Core Logging Codes: PAX			
Core Size:	NQ3	Cemented:	No
Casing Depth:	4.00 m	Casing Pulled:	Yes
Water Depth:	0.00 m	Overburden Depth:	4.00 m
Level:		Section:	
		Drift:	

Selwyn Project

Diamond Drill Log

Survey Data for Hole

DNE-100

Hole Comments:

Sun, May 11 ---DS: Moved drill @12pm from DNE-099 to DNE-100. Casing reamed to 6m, reached 9m depth.
NS: Faulted ground, high sand content. Reached 39m depth.

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Mon, May 12 --- DS: Drilled through ACTM containing extremely high grade, massive sphalerite and abundant of galena stringers. Reached 81m depth. NS: Sandy faulted ground from 82-83.5m, very broken ground. Reached 111m depth. Shut hole in morning. Will rotate drill round on same pad today to drill hole DNE-101

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-64.0	30.0
21.00	-63.8	28.1
54.00	-63.9	28.8
102.00	-63.0	30.6
117.00	-63.1	39.5

Selwyn Project Diamond Drill Log

Hole Number:
DNE-100

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	4.00	OVBR									
Collared into solid bedrock, lacks weathering effects.											
4.00	6.70	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 »,											
Narrow interval of calcareous flaggy mudstone at the top of the hole.											
Gradational, conformable lower contact with zone of thinly bedded strongly calcareous mudstone / limestone.											
◁ @ 5.90 S0 defined by vague layering 50° ▷											
6.70	57.50	USMS	E6616101	54.00	57.10	3.10	3.16	6.00	1.25	168.00	0.53
USMS – Upper Siliceous Mudstone			E6616102	57.10	57.50	0.40	3.38	13.30	1.25	500.00	0.25
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% »,											
Moderate to strongly faulted unit. Frequent block markers indicated where the drillers had to pull rods. The upper 3.3m meters are strongly calcareous, thinly bedded mudstones with a quartz-veined broken (conformable?) lower contact with what looks like BSSM, but with more detail logging, looks like USMS. Contains limestone concretions, 25-40 cm. Irregular lower contact with Active Member.											

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		<p>« 6.70- 10.00 Light grey, thinly bedded, strongly calcareous mudstone / limestone. This feature is also seen at the top of the hole in DNE-101. »</p> <p>« @ 8.10 S0 defined by thin beds in calcareous mudstones, 30° »</p> <p>« 10.10- 15.00 FLT: 80% broken core, 5% gouge, 15% breccia. Interval becomes graphitic with depth. »</p> <p>« @ 15.50 S0 defined by pyrite pseudo laminations, 50° »</p> <p>« 17.50- 18.30 FLT: 40% broken core, 20% graphitic gouge, 35% breccia, 5% calcite veining. Gouge is concentrated at the base of the fault. »</p> <p>« 18.30- 21.00 NO RECOVERY: several driller blocks note fault and sand in this interval. »</p> <p>« 21.00- 23.00 FLT: very poor recovery of 40% broken core, 20% graphitic gouge, 30% breccia, 10% quartz-calcite veining, moderate to strongly graphitic. »</p> <p>« 26.90- 28.60 FLT: very poor recovery of weakly consolidated graphitic, sheared carbonaceous mudstone. »</p> <p>« @ 33.70 Slickensides on graphitic slip planes, 25° »</p> <p>« @ 34.10 S0 defined by chert banding, 60° »</p> <p>« 34.40- 38.30 FLT: very poor recovery, 40% broken core, 20% gouge, 40% breccia with a section of re-healed breccia from 35.7-36.3m, graphitic, 10% quartz-calcite veining / in-fill. »</p> <p>« @ 41.90 Slickensides on graphitic slip plane, 15° »</p> <p>« 46.00- 47.20 Zone with increased quartz-calcite veining, 25% as irregular veins and fracture-fill within moderately graphitic, calcareous mudstone. »</p>									

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« 49.40- 51.50 Strongly silicified, brittle fracture / broken zone. »											
« @ 49.60 S0 defined by vague chert bands in the mudstone, 60° »											
« 52.30- 57.10 FLT: 30% broken core, 40% gouge, 30% breccia. Very poor recovery, <20%, moderately graphitic, strongly calcareous. 54.0-57.1m: Shoulder sample in fault; 60cm core recovery. »											
« 57.10- 57.50 Shoulder sample, visually barren, micro-fractured, rehealed, strongly calcareous mudstone. »											
57.50	76.40	ACTM	E6616103	57.50	58.10	0.60	6.45	14.50	3.80	670.00	0.44
<i>ACTM – Active Member</i>			E6616104	58.10	58.90	0.80	3.37	12.90	1.25	496.00	0.26
<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>			E6616105	58.90	59.70	0.80	1.40	3.37	1.25	98.00	0.42
			E6616106	59.70	60.50	0.80	0.25	1.19	1.25	29.30	0.21
			E6616107	60.50	61.20	0.70	0.25	1.17	1.25	29.20	0.22
			E6616108	61.20	62.10	0.90	0.01	0.01	1.25	1.25	1.03
			E6616109	62.10	62.70	0.60	2.14	9.26	2.70	262.00	0.23
			E6616110	62.70	63.60	0.90	0.12	0.29	1.25	8.00	0.40
			E6616111	62.70	63.60	0.90	0.12	0.30	1.25	7.60	0.40
			E6616112	63.60	64.20	0.60	2.37	8.55	1.25	223.00	0.28
			E6616113	64.20	65.20	1.00	2.44	8.30	1.25	229.00	0.29
			E6616114	65.20	66.20	1.00	1.50	6.25	1.25	158.00	0.24
=====			E6616115	66.20	67.20	1.00	1.22	7.94	1.25	170.00	0.15
<i>The ACTM has 8 different facies:</i>			E6616116	67.20	68.00	0.80	1.06	6.29	1.25	148.00	0.17
=====			E6616117	68.00	68.80	0.80	1.08	6.27	1.25	152.00	0.17
- GREY CHERT FACIES: Consists of laminated medium light grey to medium dark grey chert. Mineralization: 95-99% quartz and up to 5% secondary calcite.			E6616118	68.80	69.80	1.00	0.01	0.03	1.25	1.25	0.34
- 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			E6616119	69.80	70.80	1.00	0.01	0.07	1.25	5.50	0.14
			E6616120	70.80	70.80	0.00	0.00	0.00	1.25	1.25	0.50
			E6616121	70.80	71.80	1.00	0.01	0.07	1.25	3.80	0.09
			E6616122	71.80	72.80	1.00	0.01	0.08	1.25	5.50	0.13
			E6616123	72.80	73.80	1.00	0.00	0.32	1.25	31.90	0.01

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<p>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>- <i>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.</p> <p>- <i>CHERTY MUDSTONE FACIES</i>: Consists of a greyish black monotonous siliceous, carbonaceous mudstone. It is most typically found overlying the thin bedded calcareous mudstone facies.</p> <p>- <i>THIN BEDDED CALCAREOUS MUDSTONE FACIES</i>: 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>- <i>CALCAREOUS MUDSTONE FACIES</i>: 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>- <i>GRADED LIMESTONE FACIES</i>: 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>- <i>LIGHT GREY BASAL LIMESTONE FACIES - LGLS</i>: 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>- <i>BASAL FACIES</i>: 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</p>			E6616124	73.80	74.80	1.00	0.00	0.32	1.25	31.70	0.01
			E6616125	74.80	75.20	0.40	0.01	0.02	2.60	1.25	0.67
			E6616126	75.20	75.80	0.60	0.00	0.00	1.25	1.25	1.40
			E6616127	75.80	76.40	0.60	0.00	0.00	1.25	1.25	0.99

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		<p><i>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><i>Near the top of the Active Member is the visually best-looking mineralization of the zone. As well, the top of the unit is the least calcareous and exhibits the strongest silicification. Recovery is generally good and the zone is moderately competent.</i></p> <p>« 57.50- 58.10 MODERATE - HIGH GRADE, mudstone, medium grey, silicified, very finely laminated with 3% quartz-calcite irregular stringers with galena blebs to 2mm. Grades into the high grade zone below. »</p> <p>« 58.10- 58.90 HIGH GRADE, mudstone, light tan color, silicified, original depositional texture is completely obliterated by fluid escape fractures, sub-parallel to core axis that displaces original laminae. Fluid escape structures post-date the 10% quartz-calcite-galena stringers that are now convoluted with a blocky appearance. Estimate 20% very fine grained sphalerite (pervasive tan color), 3-5% visible galena in veining. Sharp lower contact with darker, less mineralized zone below. »</p> <p>« 58.90- 61.20 LOW-MODERATE GRADE, mudstone, dark grey, moderately calcareous, moderately silicified with 25% lighter grey calcareous bands, 1-20 mm. 5-10% fine laminations that probably has some grade / sphalerite-galena, concentrated in the upper 2 samples, 58.9-60.5m. »</p> <p>« @ 59.60 S0 defined by fine grained sulphide pseudo laminations 70° »</p> <p>« 61.20- 62.10 BARREN-TRACE, medium-grey, coarse grained calcite lense (limestone?), crystal faces have a distinctive sheen when core is rotated under the light. Darker grey color due to carbon content. At the base is 20cm dark grey, weakly silicified carbonaceous mudstone with vague layering and cm calcite stringers. »</p> <p>« 62.10- 62.70 MODERATE GRADE, mudstone, alternating medium to light</p>									

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		<p>grey very fine to finely laminated sulphides, decreasing sulphides with depth. 5% fine grained pyrite laminations concentrated at the top of sample. »</p> <p>« 62.70- 63.60 TRACE-LOW GRADE, upper 15 cm is coarse a grained calcite vein with 3% discontinuous pyrite lenses and then into a light grey, fine grained weakly laminated calcareous mudstone or bedded limestone. Minor sulphide bands at 62.95m. Irregular lower contact with mineralization below. »</p> <p>« 63.60- 68.80 MODERATE-HIGH GRADE, mudstone, calcareous, tan, light grey, medium and dark grey fine laminations, 2% quartz-calcite fracture-fill and stringers to 1 cm, often with galena blebs, 1-2 mm. Intermittant broken zones; from 66.0-68.0m is a broken zone with 60 cm missing core, brittle fractures and minor ground core. Minor displacement of laminations along fluid escape structures. Increased silicification towards rubbly lower contact. »</p> <p>« @ 66.10 S0 defined by sulphide laminations, 75° »</p> <p>« 68.80- 69.80 TRACE MINERALIZATION, limestone / calcareous mudstone, medium grey, vaguely laminated to thinly bedded. Minor visible sulphides, mainly fine grained pyrite as convoluted lenses with calcite, <1% pyrite. Upper 20 cm is broken to rubbly. »</p> <p>« 69.80- 75.20 TRACE GRADE, mudstone, medium to dark grey, black, thin to medium bedded, carbonaceous, weakly graphitic; silicified for the upper meter, becoming calcareous below 70.8m. Broken zone, 20 cm lost core at 73.9m. »</p> <p>« @ 73.50 Pyrite (sphalerite-galena) clot, very fine grained. »</p> <p>« @ 73.70 S0 ,defined by fine grained pyrite-calcite bands to 3mm. 70° »</p> <p>« @ 75.20 Pyrite vein at lower contact with Basal Limestone, 80° »</p> <p>« 75.20- 76.40 BARREN, Basal limestone, light to medium grey, massive, fine grained with small pods stretched at low angle to core axis. 1 cm calcite vein at 10 degrees to core axis. Trace fine grained pyrite blebs. Vague</p>									

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gradational lower contact with CCMS. »												
76.40	118.50	CCMS	E6616128	76.40	77.40	1.00	0.01	0.00	1.25	1.25	2.09	
CCMS – Calcareous Mudstone			E6616129	77.40	78.40	1.00	0.01	0.00	1.25	1.25	1.60	
<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>Typical CCMS, black, homogeneous, massive to vaguely banded. Calcareous at the upper contact down to 78.5m. 78.5-94.5m: weak to non-calcareous, weak to moderately silicified. 94.5 to EOH, start to see intervals that are strongly calcareous, beds from 20 to 100 cm wide. Intermittant faulting down to 105.9m. One zone of No Recovery from 83.0-83.3m. Two shoulder samples taken; 76.4-77.4m, and 77.4-78.4m.</p> <p>‹ @ 82.30 S0 defined by wispy calcite stringers, 70° ›</p> <p>« 83.00- 83.30 NO RECOVERY - FLT ? Driller's block notes "fault". »</p> <p>« 83.30- 83.60 FLT, 10% broken core, 10% gouge, 80% vein. Mix of rubble and broken core, trace pyrite in quartz-carbonate vein rubble, 30% recovery.</p> <p>»</p> <p>‹ @ 91.60 Graphitic gouge 2 cm, 40° ›</p> <p>‹ @ 95.90 Brecciated angular mudstone clasts, 3 cm wide in a quartz-calcite matrix, 40° ›</p> <p>‹ @ 97.00 S0 defined by wispy calcite crystals, 70° ›</p> <p>« 98.20- 101.10 FLT, 80% broken core, 10% gouge, 10% breccia. Mainly a zone of broken core with a zone of more intense faulting from 100.7-101.1m,</p>			E6616130	78.40	78.40	0.00	5.77	6.65	71.40	188.00	0.87	



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consisting of rubble and weakly consolidated graphitic gouge and chips of mudstone. »											
« 103.20- 105.90 FLT, 60% broken core, 20% gouge, 20% breccia. Two rubble zones with increased graphite and quartz-calcite veining separated by a broken zone. »											
‹ @ 107.00 S0 defined by wispy pyrite pseudo laminations, 60° ›											
‹ @ 116.40 S0 defined by vague calcite layering, 70° ›											
118.50	118.50	EOH									