

Hole No.: DNE-098	Depth: 264.00 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:	479442.08 m	True Azimuth:	45.5 °
UTM Northing:	6932817.34 m	Hole Angle:	-70.0 °
Elevation (m):	1175.90 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:	105.5 °		
Dimond Drilling Contract:			
Drilled By:	CYR-01	Date Drilling Start:	03-May-14
		Date Finish:	06-May-14
Diamond Drill Core:			
Logged By:	C.MacKay-Stotesbury	Date Logging Start:	05-May-14
		Date Finish:	07-May-14
Legend for Core Logging Codes: PAX			
Core Size:	NQ3	Cemented:	No
Casing Depth:	7.50 m	Casing Pulled:	Yes
Water Depth:	0.00 m	Overburden Depth:	7.50 m
Level:		Section:	
		Drift:	

Selwyn Project

Diamond Drill Log

Survey Data for Hole

DNE-098

Hole Comments:

Sun, May 04 ---DS: Moved to pad DNE-807 to drill DNE-098. Very faulted ground. NS: Reached depth of 70.5m in FLMD.

Mon, May 05 --- DS: Faulted ground, slow drilling. NS: Bit changed, reamed back to bottom. Currently in USMS ~147m.

Tue, May 06 ---DS: No major issues, reached ~197m depth. NS: drilled ACTM, currently in CCMS @243.5.

Wed, May 07 --- DS: Extremely faulted ground, slow drilling. Reached 264m CCMS, shut hole. NS: Moved to pad DNE-805 to drill DNE-099. Casing to 19m.

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-70.0	45.5
20.00	-69.8	46.5
53.00	-69.8	47.4
101.00	-69.4	47.3
152.00	-68.9	47.1
203.00	-68.6	47.1
263.00	-68.7	49.5

Selwyn Project Diamond Drill Log

Hole Number:
DNE-098

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	7.50	OVBR									
7.50	32.00	BSSM									
<p><i>BSSM – Backside Siliceous Mudstone</i></p> <p><i>Devonian Siliceous Mudstone – Upper Chert Formation</i></p> <p><i>Greyish black laminated chert and siliceous mudstone. Randomly-oriented to bedding-parallel bioturbation is common in the bottom of the unit. « lm chrt 75.00-95.00% », « btrb 0.10-2.00cm »,</i></p> <p><i>*Bottom contact could be brought downhole to 93.6 m: the interval from 32.0-93.6 m contains a few short ranges of dark grey-black carbonaceous siliceous mudstone.</i></p> <p><i>No planar fabrics appropriate for S0 measurement.</i></p> <p><i>Unit is well broken; however, no significant core loss or gouge.</i></p>											
32.00	133.60	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><i>« 39.00- 40.60 FLT: Significant core loss; 50% gouge, 30% broken core, 20% fault breccia »</i></p> <p><i>« 44.80- 46.60 FLT: Significant core loss; 75% gouge, 20% broken core, 5% fault breccia »</i></p> <p><i>« 78.30- 79.30 FLT: Significant core loss; 40% gouge, 15% fault</i></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%
<i>breccia, 45% broken core »</i> <i>« 83.30- 85.40 FLT: 24% competent core, 26% gouge, 35% broken core, 15% fault breccia »</i> <i>Bottom of interval, from approximately 77.0 - 133.6 m is well broken. No clear loss of core or recovered gouge outside of above detailed range features. See pictures and geotech data to quantify broken zones.</i>											
133.60	207.70	USMS	E6615851	203.50	204.50	1.00	0.02	0.01	1.25	1.25	3.28
<i>USMS – Upper Siliceous Mudstone</i>			E6615852	204.50	205.10	0.60	0.06	0.21	1.25	7.10	0.30
<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 , 1m chrt -20.00% », « cg xtl sph crns ca 5.00-20.00cm », « bed chrt 10.00-15.00% »,</i> <i>Top of unit (approximately 133.6 - 149.0 m) is massive, highly competent. Once-planar fabrics are highly deformed, convoluted to the point where none are reliable indicators of S0: only one measurement was possible.</i> <i>« 171.00- 172.40 FLT: Significant core loss; 75% gouge, 15% fault breccia, 10% broken core »</i> <i>« 173.10- 175.50 FLT: Significant core loss; 18% competent core, 55% gouge, 20% broken core, 7% fault breccia »</i> <i>« @ 180.70 S0 defined by a pyrite pseudo-bed 45° »</i> <i>« @ 205.00 Galena bleb »</i>			E6615853	205.10	206.00	0.90	0.12	0.31	1.25	10.70	0.38
			E6615854	206.00	207.00	1.00	0.12	0.33	1.25	10.90	0.35
			E6615855	207.00	207.70	0.70	0.80	4.26	1.25	114.00	0.19
207.70	230.80	ACTM	E6615856	207.70	208.50	0.80	1.20	5.69	1.25	166.00	0.21
<i>ACTM – Active Member</i>			E6615857	208.50	209.00	0.50	0.13	0.41	1.25	10.90	0.31
<i>The ACTM consists of a repetitive, possibly rhythmic, sequence of intercalated</i>			E6615858	209.00	209.90	0.90	1.53	6.76	1.25	210.00	0.23
			E6615859	209.90	210.40	0.50	0.82	4.32	1.25	113.00	0.19

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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%
<i>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>			E6615860	210.40	210.80	0.40	0.11	0.01	1.25	1.25	8.31
			E6615861	210.40	210.80	0.40	0.04	0.01	1.25	1.25	4.23
			E6615862	210.80	211.40	0.60	0.29	0.42	1.25	13.50	0.69
			E6615863	211.40	212.00	0.60	0.30	0.43	1.25	14.10	0.70
=====			E6615864	212.00	213.00	1.00	0.11	0.23	1.25	8.30	0.50
The ACTM has 8 different facies:			E6615865	213.00	213.60	0.60	1.38	6.81	1.25	195.00	0.20
=====			E6615866	213.60	214.30	0.70	1.99	3.33	1.25	89.30	0.60
- GREY CHERT FACIES: Consists of laminated medium light grey to medium dark grey chert. Mineralization: 95-99% quartz and up to 5% secondary calcite.			E6615867	214.30	215.10	0.80	0.02	0.08	1.25	1.25	0.29
			E6615868	215.10	216.00	0.90	2.02	3.27	1.25	88.50	0.62
			E6615869	216.00	216.90	0.90	2.20	9.79	1.25	222.00	0.22
			E6615870	216.90	216.90	0.00	0.01	0.01	1.25	1.25	1.01
- 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.			E6615871	216.90	217.80	0.90	2.57	9.72	1.25	256.00	0.26
			E6615872	217.80	218.60	0.80	0.91	3.89	1.25	107.00	0.23
			E6615873	218.60	218.90	0.30	0.87	3.86	1.25	104.00	0.22
- 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.			E6615874	218.90	219.80	0.90	1.06	4.13	1.25	92.30	0.26
			E6615875	219.80	220.80	1.00	1.78	5.43	1.25	153.00	0.33
			E6615876	220.80	221.20	0.40	0.37	1.53	1.25	39.30	0.24
			E6615877	221.20	222.10	0.90	0.01	0.09	1.25	3.00	0.16
- CHERTY MUDSTONE FACIES: Consists of a greyish black monotonous siliceous, carbonaceous mudstone. It is most typically found overlying the thin bedded calcareous mudstone facies.			E6615878	222.10	222.60	0.50	0.01	0.09	1.25	3.40	0.16
			E6615879	222.60	223.30	0.70	0.07	0.09	1.25	3.80	0.77
			E6615880	223.30	223.30	0.00	5.86	6.59	70.50	190.00	0.89
			E6615881	223.30	224.20	0.90	0.08	0.09	1.25	4.10	0.84
- 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.			E6615882	224.20	225.00	0.80	0.01	0.00	1.25	1.25	3.36
			E6615883	225.00	226.00	1.00	0.03	0.09	1.25	7.30	0.35
			E6615884	226.00	227.00	1.00	0.01	0.04	1.25	3.70	0.13
			E6615885	227.00	228.00	1.00	0.01	0.04	1.25	3.80	0.13
			E6615886	228.00	228.80	0.80	0.01	0.14	1.25	10.80	0.04
			E6615887	228.80	229.30	0.50	0.01	0.14	1.25	10.90	0.04
			E6615888	229.30	230.00	0.70	0.01	0.00	1.25	1.25	5.83
			E6615889	230.00	230.80	0.80	0.01	0.00	1.25	1.25	9.78

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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>- <i>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.</i></p> <p>- <i>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.</i></p> <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>« 207.70- 208.50 MODERATE GRADE laminated medium grey siliceous mudstone. Common wispy, wormy quartz-calcite veins are typically mm-cm thick. Highly competent. Very well developed micro-laminae with rare fluid escape structures. »</p> <p>« 208.50- 209.00 BARREN-TRACE light-medium grey calcareous limestone. Common quartz-calcite veins are sub-mm to several-cm thick, wispy, wormy, &/or planar. Highly competent. Lamination-like bedding at the bottom of range.»</p> <p>« 209.00- 210.40 MODERATE GRADE laminated medium grey siliceous mudstone. Abundant quartz-calcite veins are predominantly "chunky," appearing to be associated with fracture fill & void filling/fluid brecciation textures. Moderately competent. Well developed micro-laminae with common fluid escape</p>									

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		<p>structures. Graphite increases downhole from no apparent graphite to weakly graphitic. »</p> <p>‹ @ 210.00 Galena stringer ›</p> <p>‹ @ 210.20 Galena stringer ›</p> <p>« 210.40- 210.80 TRACE light-medium grey calcareous limestone. Abundant quartz-calcite veins are chaotic, planar, sub-mm to cm thick. Highly competent. Interpreted as a concretion. »</p> <p>« 210.80- 213.00 BARREN-TRACE dark grey-black siliceous mudstone. Abundant wormy, sub-parallel quartz-calcite veins are sub-mm to several-cm thick. Well broken. Moderately graphitic. »</p> <p>« 213.00- 214.30 MODERATE-HIGH GRADE laminated medium grey mudstone grading from moderately calcareous to weakly calcareous/siliceous. Common quartz-calcite veins are wispy, wormy, sub-mm to cm thick. Highly competent. Well developed micro-laminae with common fluid escape structures and slumping structures. Interval near top of range exhibits strong beige colour indicating potential for high sphalerite concentration. »</p> <p>‹ @ 213.50 Galena blebs ›</p> <p>‹ @ 213.70 Galena bleb ›</p> <p>‹ @ 213.80 Galena blebs ›</p> <p>« 214.30- 215.10 BARREN-TRACE light-medium grey calcareous limestone. Abundant quartz-calcite chaotic, planar veins & 30 cm healed-breccia/calcite concretion. Highly competent. »</p> <p>« 215.10- 218.60 LOW-MODERATE GRADE laminated medium grey siliceous mudstone including roughly spherical light grey calcareous limestone concretions. Common quartz-calcite veins are planar, wormy, sub-mm to several-cm thick. Highly competent. Well developed micro-laminae with common fluid escape structures. Limestone concretions (2) are approximately 30 cm in diameter.»</p>									

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		<p>◁ @ 215.50 Galena stringer/pseudo-bed enriched in galena ▷</p> <p>◁ @ 217.30 Galena blebs ▷</p> <p>« 218.60- 219.80 MODERATE GRADE subtly laminated light-medium grey calcareous mudstone. Common quartz-calcite veins are wormy, sometimes planar, sub-mm to several-cm. Highly competent. Micro-laminae are less obvious than in other ranges: they appear almost "bleached." Common fluid escape structures. »</p> <p>◁ @ 219.20 Galena stringers ▷</p> <p>« 219.80- 221.20 MODERATE GRADE laminated medium grey siliceous mudstone. Common quartz-calcite veins are wormy, mm to cm thick. Highly competent. Well developed micro-laminae with abundant fluid escape structures. Moderately graphitic. »</p> <p>◁ @ 220.10 Galena stringer & bleb (tension crack fill?) ▷</p> <p>◁ @ 220.30 Galena stringer ▷</p> <p>◁ @ 220.40 Galena blebs ▷</p> <p>« 221.20- 222.60 BARREN-TRACE light grey calcareous limestone. Common quartz-calcite veins are wormy &/or planar, mm to several-cm thick. Highly competent. May be interpreted as basal limestone - consequently shortening logged Active Member thickness. »</p> <p>« 222.60- 224.20 BARREN-TRACE dark grey siliceous mudstone. Abundant wormy quartz-calcite veins are sub-mm to several-cm thick. Moderately competent. Moderately graphitic. »</p> <p>« 224.20- 225.00 BARREN light grey calcareous limestone. Common quartz-calcite veins are predominantly planar, sub-mm to mm thick. Highly competent. »</p> <p>« 225.00- 229.30 BARREN dark grey weakly calcareous mudstone. Abundant</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%
		quartz-calcite veins are wormy, planar, &/or chaotic, sub-mm to several-cm thick. Moderately competent. Moderately graphitic. 2 approximately 10 cm diameter limestone concretions. »									
		« 229.30- 230.80 BARREN light grey calcareous limestone. Abundant quartz-calcite in chaotic, wormy, &/or planar sub-mm to several-cm thick veins as well as fracture-fill or void-filling textures. Highly competent. Interpreted as basal limestone. »									
230.80	264.00	CCMS	E6615890	230.80	231.00	0.20	0.01	0.00	1.25	1.25	7.96
		CCMS – Calcareous Mudstone	E6615891	230.80	231.00	0.20	0.01	0.00	1.25	1.25	6.10
			E6615892	231.00	232.00	1.00	0.01	0.00	1.25	1.25	6.41
		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).									
		« 1m ca 5.00-10.00mm », « nodules py -3.00% 2.00-20.00mm »,									
		No planar fabrics suitable for measuring S0.									
		« 242.00- 248.80 BROKEN ZONE: Extremely broken interval, verging on fault breccia in many places, but without significant core loss nor gouge. »									
		« 248.80- 253.70 FLT: 17% competent core, 60% gouge, 3% fault breccia, 20% broken core. »									
		Rest of drillhole from 253.7 - 264.0 (EOH) is extremely broken and includes short intervals containing gouge. There is some debate that this range (253.7-264.0) is not Calcareous Mudstone but in fact the upper unit of the Upper Siliceous Mudstone. Confusingly, the interval is siliceous from 230.8-253.7 m, but below 253.7 it alternates between strongly calcareous, weakly calcareous, and purely siliceous.									
		« 254.30- 257.00 FLT: Significant core loss; 11% competent core, 49%									



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broken core, 25% gouge, 15% fault breccia »											
« 260.00- 263.00 FLT: Significant core loss; 23% competent core, 47% broken core, 20% gouge, 10% fault breccia »											
264.00	264.00	EOH									