

Hole No.: DNE-127	Depth: 267.00 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:	479286.58 m	True Azimuth:	275.0 °
UTM Northing:	6932952.90 m	Hole Angle:	-75.0 °
Elevation (m):	1169.47 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:	335.0 °		
Dimond Drilling Contract:			
Drilled By:	NL-01	Date Drilling Start:	31-Aug-14
		Date Finish:	4-Sept-14
Diamond Drill Core:			
Logged By:	H. Grimson	Date Logging Start:	03-Sept-14
		Date Finish:	06-Sept-14
Legend for Core Logging Codes: PAX			
Core Size:	NQ3	Cemented:	No
Casing Depth:	15.00 m	Casing Pulled:	Yes
Water Depth:	0.00 m	Overburden Depth:	15.00 m
Level:		Section:	
		Drift:	

Selwyn Project

Diamond Drill Log

Survey Data for Hole

DNE-127

Hole Comments:

Mon, Sep 01 ---DS: drilled 27m down to 231m, EOH. Did 6 downhole tests, break out rods, hook on the casing and pull out 18m. Spin drill and set-up on same pad, DNE-127 (ANE-864). Tricone from 0-15m, pull out tricone, lower NW with casing shoe. NS: drilled 27m down to 42m. Broken, blocky; running thick polymer, washing in between runs, high torque. Pull rods for grease at 36m and back ream out. Very tight hole. Ream 15-36m. Free hole, good return.

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Tue, Sep 02 --- DS:drilled 63m down to 105m. Some good and some bad drilling. Used over both shifts, 1 blue, 1 gold, 1 canola oil. NS: drilled 36 m down to 141m. Broken, blocky, clay and faults. Reaming to keep free. Washing hole and running thick muds.

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Wed, Sep 03 ---DS: drilled 33m down to 174m. In faulted rock all day. Lots of reaming; pull and lower for bit, back ream out of hole and ream back in. NS: drilled 24m down to 198m. Broken, blocky. Ream VOID at 184m (1 hour) and ream to keep free. Running thick poly and clay seam+canola oil. Over both shifts used 1 Blue, 1 Gold, 1 Clay seam, 1 Canola Oil, and 1 Rod grease.

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Thu, Sep 04 --- DS: Shift change, no shift til late afternoon. Drilled 9m down to 207m. NS: Good drilling, drilled 51m down to 258m. Washing hole in between runs. Intersected ACTM 185-231m. Hole shut down at 258m in CCMS. Moving to exploration target DNE-859.

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-75.0	275.0
201.00	-74.5	280.2
267.00	-75.4	283.2

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Hole Number:
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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	15.00	OVBR									
Casing, no recovery											
15.00	94.70	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 », « 19.00- 24.90 mechanically damaged core with frequent gg-filled joints mixed with rubble 14°» « 24.90- 33.10 healed breccia; matrix: white-grey cherty cement. Clasts: rotated, <1m->2m, sub-angular to angular, siliceous FLMD composition; clast supported at top of interval, very silicified+"cloudy" until ~27.7m, then clasts are less altered and clast-matrix boundary is more clear » « 33.70- 35.60 FLT: compact fine-grained gg/clay with local angular rubble, significant core loss (~1m missing) » « 35.60- 38.00 mechanically rounded core/rubble, minor core loss » « @ 43.00 calcite lineations within carbonaceous region (until now, flaggy texture has been very poorly aligned) 59° › « @ 45.40 flaggy laminations 31° › « 49.50- 51.30 healed breccia, pale grey FLMD sub-rounded clasts (ave 0.5cm) within carbonaceous chert-seam matrix; mechanical rubble at lower contact; clasts are weakly oriented parallel to upper contact @ 19°» « @ 62.70 flaggy foliation 60° ›											

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« 76.50- 79.60 FLT: rubble and minor gouge followed by gg-matrix breccia; 60% FLMD clasts, matrix is locally cherty (healed breccia) »											
« 88.50- 92.60 flt breccia, monolithic FLMD clasts are subangular to sub-rounded, <1cm, within alternating cherty and gg-packed matrix, locally clast supported 12°»											
94.70	184.00	USMS	E6628401	182.00	183.00	1.00	0.01	0.05	1.25	1.25	0.15
USMS – Upper Siliceous Mudstone			E6628402	183.00	184.00	1.00	0.14	0.22	1.25	9.00	0.66
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% », « 94.70- 95.40 faulted contact between FLMD and USMS: carbonaceous gouge and very graphitic carbonaceous rubble+broken core with very low cohesive strength » « @ 95.60 mirror-plane joint with graphitic slicks; alpha=003°, gamma=45° 3-45° » « 101.60- 101.90 carbonaceous gg with fine grained rubble, graphitic » « @ 102.70 aligned dashed/fibrous calcite lineations » « @ 102.70 microfaults that offset calcite lineations, parallel to reactivated graphitic joint planes: alpha=002, gamma=29 (slickensided) 2-29° » « 117.20- 120.00 FLT-gg and very graphitic broken core » « 121.00- 122.70 FLT-gg and fine grained graphitic rubble; chert bands are parallel @ 33°»											

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		« 128.30- 140.70 very graphitic, slickensided, 75% gg-matrix breccia, gg-packed with subangular carbonaceous mudstone clasts, poorly sorted, local gg-zones comprise ~15% of interval and remaining 10% comprised of microfractured+sheared core (~008° jointing angle) with gg-fill 8°»									
		« @ 140.50 graphitic jointing, calcite veining 34° »									
		« 153.50- 160.80 FLT: graphitic gg and small grained rubble »									
		« 161.70- 174.30 very microdefected/weathered appearance with significant partial fractures and very minor gg; @173.7: healed breccia with sub angular silicified pale grey clasts suspended in thin carbonaceous seems or clast supported »									
		« 174.30- 184.00 silicified±weak non-mineralized laminations, typical of USMS approaching ACTM; chert bands @179.4m: 69°»									
184.00	231.00	ACTM	E6628403	184.00	184.30	0.30	0.07	0.29	1.25	12.60	0.24
		ACTM – Active Member	E6628404	184.30	185.00	0.70	0.02	0.03	1.25	1.25	0.65
			E6628405	185.00	185.70	0.70	1.02	8.98	1.25	277.00	0.11
			E6628406	185.70	186.40	0.70	1.93	4.80	1.25	145.00	0.40
			E6628407	186.40	187.40	1.00	1.71	8.07	3.00	264.00	0.21
			E6628408	187.40	188.20	0.80	0.32	2.90	1.25	82.00	0.11
			E6628409	188.20	189.00	0.80	0.68	4.09	1.25	106.00	0.17
			E6628410	189.00	189.70	0.70	0.31	2.98	1.25	74.30	0.10
			E6628411	189.00	189.70	0.70	0.28	2.24	1.25	56.30	0.13
			E6628412	189.70	190.30	0.60	0.67	3.26	1.25	81.50	0.21
			E6628413	190.30	191.00	0.70	0.24	1.18	1.25	26.40	0.21
			E6628414	191.00	191.30	0.30	0.04	0.24	1.25	3.80	0.16
			E6628415	191.30	192.10	0.80	2.76	2.00	1.25	48.70	1.38
			E6628416	192.10	192.90	0.80	1.33	3.37	1.25	84.30	0.39
			E6628417	192.90	193.50	0.60	1.07	2.19	1.25	53.30	0.49
			E6628418	193.50	194.20	0.70	0.10	0.16	1.25	3.60	0.63
			E6628419	194.20	195.00	0.80	0.10	0.17	1.25	3.60	0.60
			E6628420	195.00	195.00	0.00	0.00	0.00	1.25	1.25	0.51

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<p>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 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>			E6628421	195.00	195.60	0.60	0.20	0.35	1.25	10.10	0.57
			E6628422	195.60	197.00	1.40	0.22	0.33	1.25	11.00	0.65
			E6628423	197.00	198.00	1.00	0.04	0.04	1.25	1.25	0.88
			E6628424	198.00	198.70	0.70	0.08	0.04	1.25	1.25	1.78
			E6628425	198.70	199.50	0.80	0.03	0.46	4.40	16.50	0.06
			E6628426	199.50	200.40	0.90	0.02	0.69	1.25	24.50	0.03
			E6628427	200.40	201.30	0.90	0.02	0.07	1.25	2.90	0.34
			E6628428	201.30	202.20	0.90	0.07	0.01	1.25	1.25	5.86
			E6628429	202.20	202.50	0.30	0.61	5.01	1.25	193.00	0.12
			E6628430	202.50	202.50	0.00	1.41	2.88	19.50	191.00	0.49
			E6628431	202.50	203.10	0.60	0.41	1.93	1.25	57.50	0.21
			E6628432	203.10	203.70	0.60	3.29	13.50	4.70	432.00	0.24
			E6628433	203.70	204.40	0.70	1.55	5.28	1.25	200.00	0.29
			E6628434	204.40	205.00	0.60	0.22	0.31	1.25	7.70	0.71
			E6628435	205.00	206.00	1.00	0.01	0.02	1.25	1.25	0.83
			E6628436	206.00	206.70	0.70	0.08	0.10	1.25	1.25	0.79
			E6628437	206.70	207.50	0.80	0.49	1.12	1.25	29.60	0.44
			E6628438	207.50	208.20	0.70	1.54	4.15	1.25	111.00	0.37
			E6628439	208.20	208.90	0.70	1.50	4.62	1.25	142.00	0.32
			E6628440	208.90	209.20	0.30	0.06	0.16	1.25	4.20	0.40
			E6628441	208.90	209.20	0.30	0.05	0.12	1.25	3.00	0.41
			E6628442	209.20	210.00	0.80	1.24	7.26	1.25	181.00	0.17
			E6628443	210.00	211.00	1.00	2.76	8.79	2.50	221.00	0.31
			E6628444	211.00	212.00	1.00	0.98	2.86	1.25	77.60	0.34
			E6628445	212.00	213.00	1.00	0.55	2.00	1.25	52.00	0.28
			E6628446	213.00	214.00	1.00	1.08	5.07	1.25	121.00	0.21
			E6628447	214.00	215.00	1.00	1.34	6.68	1.25	166.00	0.20
			E6628448	215.00	216.00	1.00	0.98	5.01	1.25	140.00	0.20
			E6628449	216.00	216.80	0.80	0.19	1.10	1.25	28.10	0.17
			E6628450	216.80	216.80	0.00	0.00	0.01	1.25	1.25	0.38
			E6628451	216.80	217.80	1.00	0.01	0.04	1.25	1.25	0.37
			E6628452	217.80	218.80	1.00	0.01	0.03	1.25	1.25	0.46
			E6628453	218.80	219.80	1.00	0.02	0.53	1.25	23.60	0.04

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<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>« 184.00- 184.50 Trace grade, 50% carbonaceous gg, 50% core that is somewhat brecciated with low cohesive strength, non calcareous, 0-0.3% Zn (Niton) »</p> <p>« 184.50- 185.00 Barren, carbonaceous non-calcareous, dark grey mudstone, graphitic, homogeneous »</p> <p>« 185.00- 187.40 High grade, pale white and medium-grey inter laminations and beds, both very fine and course grained sphalerite, siliceous, minor thick and distorting fluid escape structures»</p> <p>« @ 185.60 ~30cm healed breccia, distorted laminations on poorly sorted and rotated clasts suspended within a carbonaceous matrix, siliceous; @186.0m: cubic pyrite-calcite stockwork breccia (<10cm) rimmed with galena »</p> <p>« 187.40- 188.20 Trace-low grade, microdefected core (incomplete fractures)+significant rubble, homogenous, carbonaceous+black, medium-grey sphaleritic banding observed within rubble, non-calcareous »</p> <p>« 188.20- 190.30 Moderate grade, carbonaceous, dark grey mudstone cut by moderate-high grade pale grey laminations and bands, wide-spaced; local laminations are very distorted with significant offset along microfaults; siliceous, non calcareous »</p> <p>« 190.30- 191.00 FLT: significant core loss, carbonaceous gg and graphitic rubble, barren? @lower contact: alpha=16°, gamma=70° (slickensides) 16-70°»</p>			E6628454	219.80	220.80	1.00	0.03	0.02	1.25	1.25	1.31
			E6628455	220.80	221.70	0.90	0.00	0.01	1.25	1.25	0.62
			E6628456	221.70	222.80	1.10	0.01	0.05	1.25	2.50	0.10
			E6628457	222.80	223.80	1.00	0.01	0.04	3.90	2.80	0.13
			E6628458	223.80	224.70	0.90	0.00	0.07	1.25	5.30	0.05
			E6628459	224.70	225.60	0.90	0.00	0.02	1.25	1.25	0.09
			E6628460	225.60	225.60	0.00	4.18	4.27	197.00	108.00	0.98
			E6628461	225.60	226.30	0.70	0.01	0.71	3.80	66.90	0.01
			E6628462	226.30	227.00	0.70	0.00	0.13	2.70	11.70	0.03
			E6628463	227.00	228.00	1.00	0.01	0.01	2.90	1.25	0.55
			E6628464	228.00	229.00	1.00	0.01	0.01	1.25	1.25	0.80
			E6628465	229.00	230.00	1.00	0.00	0.00	1.25	1.25	1.11
			E6628466	230.00	231.00	1.00	0.00	0.00	1.25	1.25	2.03

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		« 191.00- 191.30 Barren limestone, coarse, significant calcite veining »									
		« 191.30- 192.10 Low grade, carbonaceous mudstone, homogenous and cut by poorly defined laminations, large galena stringers parallel to foliation, non-calcareous, graphitic »									
		« 192.10- 194.20 Moderate grade, carbonaceous dark grey mudstone cut frequently by high grade pale grey and grainy sphaleritic laminations+bands; graphitic, non-calcareous »									
		« 194.20- 195.60 Barren, carbonaceous mudstone, homogenous and massive, graphitic; 2 regions of significant gg <15cm »									
		« 195.60- 202.20 Barren-trace, carbonaceous graphitic mudstone, massive with frequent pyrite laminations/bands, homogenous »									
		« 202.20- 202.50 High grade, siliceous, non-calcareous, grainy sphalerite bands cut brownish-dark-grey mudstone »									
		« 202.50- 203.10 Barren, grainy sparry limestone with significant cubic pyrite-calcite vein brecciation, massive to weakly laminated »									
		« 203.10- 204.40 High grade, pale grey (brownish at top due to high pyrite content), siliceous+calcareous, fine-medium grained disseminated sphalerite, extensive fluid escape structures enriched/infilled with galena, massive-style disseminated mineralizations ± weakly developed laminations »									
		« 204.40- 206.70 Barren; medium grained limestone± weak laminations, 50% thick calcite stockwork »									
		« 206.70- 208.90 Moderate-high grade, intercalated limestone and mudstone, moderately defined laminations (<defined within limestone), very deformed, ± calcareous, galena stringers + localized large sphalerite crystals, beds of concentrated grainy pale grey sphalerite »									

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		« 208.90- 209.20 Barren carbonaceous limestone, homogenous ± very weak laminations »									
		« 209.20- 216.80 High grade, intercalated limestone and mudstone; well defined and very distorted laminations and blended bands (pale grey) cut dark grey mudstone and pale grey limestone; siliceous ± calcareous; significant fluid escape structures: ± galena infill, branching, offset nearby lamination- sometimes fluid escape structures are sometimes conjoined into large structures, grainy sphalerite beds, frequent massive-style fine grained disseminated sphalerite »									
		« 216.80- 221.70 Trace grade, intercalated mudstone and limestone, mudstone is weekly calcareous, minor galena stringers »									
		« 221.70- 222.80 Barren, calcareous limestone, both fine grained, massive and course, laminated »									
		« 222.80- 228.00 Trace grade, carbonaceous mudstone with calcareous+calcite bands, very poorly defined bands ± sulphides »									
		« 228.00- 231.00 Basal limestone, micritic, fine grained, pale grey, pyritic laminations @ end of interval (typical of lower contact of ACTM) »									
231.00	267.00	CCMS	E6628467	231.00	232.00	1.00	0.01	0.00	1.25	1.25	1.74
		CCMS – Calcareous Mudstone	E6628468	232.00	233.00	1.00	0.01	0.00	1.25	1.25	2.06
		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 »,									
		« @ 238.20 pyrite clasts- elongated and "smeared", aligned with fibrous calcite									



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[illegible]