

Hole No.: BRO-019	Depth: 345.00 m	Horizontal Length: 0.00 m	Project: 1710
Location Data:			
Property:	Selwyn Project	Claim Name:	DON 24
Mining District:	Selwyn Basin	Grant Number:	Y 64956
Province/Territory:	Yukon		
UTM Co-Ordinates & Altitude of Drill Hole Collar:			
UTM Easting:	485870.64 m	True Azimuth:	27.0 °
UTM Northing:	6929064.49 m	Hole Angle:	-60.0 °
Elevation (m):	1306.28 m	NTS Name:	Placer Creek
		UTM Datum:	NAD 83
		UTM Grid Zone:	9
		NTS Number:	105I06
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:	85.0 °		
Dimond Drilling Contract:			
Drilled By:	CYR-01	Date Drilling Start:	25-Jul-15
		Date Finish:	08-Aug-15
Diamond Drill Core:			
Logged By:	EH	Date Logging Start:	27-Jul-15
		Date Finish:	18-Aug-15
Legend for Core Logging Codes: PAX			
Core Size:	NQ3	Cemented:	No
Casing Depth:	6.70 m	Casing Pulled:	Yes
Water Depth:	0.00 m	Overburden Depth:	6.70 m
Level:		Section:	
		Drift:	

Selwyn Project

Diamond Drill Log

Survey Data for Hole

BRO-019

Hole Comments:

Sat, Jul 25 --- DS: Move drill to new set-up and waterline. Burn anchor. NS: Casing to 6m and drilled to 63. Good drilling. Current lithology unknown as core still at drill.

Sun, Jul 26 --- DS: Drilled from 63-153m. Normal drilling. Survey at 105m and 150m. Conditioned hole for one hour. NS: Drilled from 150-225m. Corrected block error from 153m changed to 150m. Survey at 201m. Current lithology unknown as core still at drill. Last observed BBSM/USMS (?) at 137m.

Mon, Jul 27 --- DS: Drilled from 225-267m. Survey at 249m. Pulled rods to change bit at 255m. Had joint in rod string and pulled back to 200m to change out rods. NS: Drilled from 267-303m in blocky ground. Survey at 303m didn't work. Current lithology: BSSM (?)

Wed, Jul 29 --- DS: Drilled from 303-306m (EOH). Survey at 306m. Tore down and moved to new set-up BRO-801 (BRO-020). NS: Set 3m casing and Drilled down to 42m. Survey at 18m. Lithology unknown as core still at drill.

Fri, Aug 07 --- DS: Move and setup on BRO-815 to complete ACTM drilling of BRO-019. One hour spent waiting for helicopter to move drill, one hour wait for helicopter during drill move. NS: Finished setup, run rods and casing into hole and washed. Got down to bottom at 306m, drilled 9m down to 315m. Current lithology unknown although was last left in ACTM at 306m.

Sat, Aug 08 --- DS: Drilled 30m down on BRO-019 (BRO-815) to 345.0m total depth. Intersected ACTM from 302.2m in previous hole down to depth of 325.3m. Shut down in CCMS at end of dayshift at 345.0m. Will flatten dip to drill BRO-030 (BRO-818). NS: Setup to drill BRO-030 (target BRO-818), drilled down to depth of 75m with casing set to 6m. Current lithology unknown as core is still at drill.

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-60.0	27.0
21.00	-60.1	28.2
51.00	-60.1	29.6
105.00	-60.3	31.9
153.00	-60.2	31.7
201.00	-59.8	32.5
249.00	-59.8	33.9
306.00	-59.1	34.3

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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	6.70	OVBR									
« 0.00- 6.00 No core was recovered »											
« 6.00- 6.70 Miscellaneous mixture without geological meaning »											
6.70	105.70	BSSM									
<i>BSSM – Backside Siliceous Mudstone</i>											
<i>Devonian Siliceous Mudstone – Upper Chert Formation</i>											
<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>											
<i>« 6.70- 19.30 Oxidization zone of limonite down to 19.3 m. Limonite occurs in fractures »</i>											
<i>« 6.70- 105.70 This section is dominated by shear sense deformations of such as L-tectonite, pressure shadowed pyrite porphyroblasts and shear sense rotation as well as foliation cleavage domain; »</i>											
<i>« 29.10- 29.60 FLT breccia, healed, angular fragments cemented by calcite »</i>											
<i>< @ 81.40 Possible bedding=78° TCA ></i>											
<i>< @ 96.10 Cleavage = 38° TCA ></i>											
<i>« 51.00- 69.00 High strain zone of L-tectonite, rotated pyrite porphyroblasts, folded pyrite bands and shear sense deformation of such as S-C fabrics »</i>											
105.70	231.70	FLMD									
<i>FLMD – Flaggy Mudstone Formation</i>											
<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>											

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<p>« 105.70- 115.20 Barite pyrite bands, grey pale/white; up to 0.2% Zn by Niton, with the orientation $\alpha=88^\circ$ TCA »</p> <p>« 141.00- 141.90 FLT core with fault gouge; no cohesive strength; parallel with S1 = 29° TCA »</p> <p>« 141.90- 146.00 Healed FLT, breccia, locally vuggy, drusy calcite crystals, angular fragments cemented by calcite veins, no Zn mineralization was detected »</p> <p>« 156.00- 199.20 Stretched deformations with angular fragmetns, dilational faulting, deformed bioturbations, many parallel to core axial fractures and breccia »</p> <p>« @ 201.00 Bioturbations structures = 58° TCA »</p> <p>« @ 226.00 Cherty band = 41° TCA »</p>											
231.70	302.20	USMS	E5574710	300.00	301.30	1.30					
			E5574711	301.30	302.20	0.90					
<p><i>USMS – Upper Siliceous Mudstone</i></p> <p>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% »,</p> <p>« 231.60- 302.20 High strain zone with abundant ductile and brittle structural disturbances mostly from post mineralization not in synsedimentary strutural domain »</p> <p>« @ 275.80 Cleavages = 52° TCA »</p> <p>« @ 289.30 Dextral shear sensed rotation of calcite $\alpha=49^\circ$ TCA »</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%
302.20	325.20	ACTM	E5574712	302.20	303.00	0.80					
ACTM – Active Member			E5574713	303.00	303.40	0.40					
			E5574714	303.40	303.90	0.50					
			E5574715	303.90	305.00	1.10					
			E5574716	305.00	306.00	1.00					
			E5574717	306.00	306.40	0.40					
			E5574718	306.40	306.90	0.50					
			E5574719	306.90	307.90	1.00					
			E5574720	307.90	308.50	0.60					
			E5574721	307.90	308.50	0.60					
			E5574722	308.50	309.30	0.80					
			E5574723	309.30	309.70	0.40					
			E5574724	309.70	310.30	0.60					
			E5574725	310.30	311.10	0.80					
			E5574726	311.10	311.80	0.70					
			E5574727	311.80	312.80	1.00					
			E5574728	312.80	314.40	1.60					
			E5574729	314.40	314.90	0.50					
			E5574730	314.90	314.90	0.00					
			E5574731	314.90	315.60	0.70					
			E5574732	315.60	316.50	0.90					
			E5574733	316.50	317.50	1.00					
			E5574734	317.50	318.00	0.50					
			E5574735	318.00	318.60	0.60					
			E5574736	318.60	319.20	0.60					
			E5574737	319.20	320.20	1.00					
			E5574738	320.20	321.00	0.80					
			E5574739	321.00	321.70	0.70					
			E5574740	321.70	321.70	0.00					
			E5574741	321.70	322.60	0.90					
			E5574742	322.60	323.60	1.00					
			E5574743	323.60	324.40	0.80					
			E5574744	324.40	325.20	0.80					

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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- GREY CHERT FACIES: Consists of laminated medium light grey to medium dark grey chert. Mineralization: 95-99% quartz and up to 5% secondary calcite.

- 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.

- 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.

- CHERTY MUDSTONE FACIES: Consists of a greyish black monotonous siliceous, carbonaceous mudstone. It is most typically found overlying the thin bedded calcareous mudstone facies.

- THIN BEDDED CALCAREOUS MUDSTONE FACIES: Consists of laminated

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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>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 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>« 302.20- 303.00 MODERATE GRADE. Foliated laminated mudstone, silicified »</p> <p>« 303.00- 303.40 MODERATE TO HIGH GRADE. Core loss; laminated silicified mudstone »</p> <p>« 303.40- 303.90 TRACE TO LOW GRADE. Veined brecciated sparry limestone »</p> <p>« 303.40- 305.00 LOW TO MODERATE GRADE. Silicified laminated sparry limestone »</p> <p>« 305.00- 306.00 LOW GRADE. Foliated silicified sparry limestone, locally</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%
		<p><i>brecciated »</i></p> <p>« 306.00- 306.40 <i>TRACE TO LOW GRADE. Massive siliceous mudstone with 5cm Zn laminae at the bottom end »</i></p> <p>« 306.40- 307.90 <i>TRACE. Massive sparry limestone mixed with micritic limestone, with weak alteration and minor mineralization »</i></p> <p>« 307.90- 308.50 <i>TRACE. Micritic limestone sandwiched by mixture of mudstone and sparry limestone, shearing seems playing an important part »</i></p> <p>« 308.50- 309.30 <i>LOW TO MODERATE GRADE. Highly silicified, finely laminated, Sedex Zn hosted in sparry limestone mixed with mudstone; water escape structures filled with sphalerite, deformed, with galena veinlets; micro-offsets »</i></p> <p>« 309.30- 309.70 <i>LOW TO MODERATE GRADE. Silicified sparry limestone and micritic limestone, weakly laminated, moderately disseminated with sphalerite, strongly barite altered »</i></p> <p>« 309.70- 310.30 <i>LOW TO MODERATE GRADE. Finely laminated, Sedex Zn mineralized mudstone sandwiched by a type of Zn mineralization: disseminated sphalerite in barite altered sparry limestone »</i></p> <p>« 310.30- 311.10 <i>LOW GRADE. Weakly silicified sparry limestone, weakly laminated, with minor disseminated sphalerite »</i></p> <p>« 311.10- 311.80 <i>LOW GRADE. Dextral shear sense deformed, Sedex Zn mineralized (laminated) mudstone and sparry limestone, strongly shear sensed L-tectonite, seemingly shearing and ductile deformation make a great contribution to mix ACTM with the limestone »</i></p> <p>« 311.80- 312.80 <i>MODERATE GRADE. Moderately silicified, weakly laminated sparry limestone with both Sedex Zn and disseminated sphalerite mineralization »</i></p> <p>« 312.80- 314.40 <i>MODERATE TO HIGH GRADE. Core loss; 16 cm high Zn Sedex ore is sandwiched between micro-offset, deformed, laminated sparry limestone and mudstone, water escape structures filled with sphalerite, some slump breccia »</i></p> <p>« 314.40- 314.90 <i>LOW GRADE. Locally silicified massive sparry limestone with weakly laminated and disseminated Zn »</i></p> <p>« 314.90- 316.50 <i>MODERATE TO HIGH GRADE. Strongly deformed micritic and sparry limestone with abundant Sedex Zn laminae »</i></p> <p>« 316.50- 317.50 <i>TRACE. Massive graded sparry limestone with weak</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%
<p><i>laminations »</i></p> <p>« 317.50- 319.20 MODERATE GRADE. Silica flooded, weakly laminated sparry limestone overprinted by sphalerite and galena »</p> <p>« 319.20- 321.70 TRACE. So extremely stretched limestone in mudstone that false laminations are present »</p> <p>« 321.70- 323.60 BARREN TO TRACE. Highly strained deformed, stretched, USMS style lithology with weak Zn mineralization, with boudinages; shear sensed rotation »</p> <p>« 323.60- 325.20 BARREN. Veined, ductile deformed micritic limestone, locally vuggy and drusy »</p>											
325.20	345.00	CCMS	E5574745	325.20	325.80	0.60					
CCMS – Calcareous Mudstone			E5574746	325.80	327.30	1.50					
			E5574747	327.30	327.30	0.00					
<p><i>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).</i></p> <p>« lm ca 5.00-10.00mm », « nodules py -3.00% 2.00-20.00mm »,</p> <p>« 325.80- 327.00 FLT with fault gouge, no cohesive strength; core loss; graphitic slickensides, possible fault surface $\alpha=43^\circ$ TCA; 3% pyrite, some barite »</p> <p>« 327.00- 340.00 FLT controlled by S-C fabrics; prevailing orientation = 66° TCA, a fault damage zone; with abundant mirror like fractures »</p> <p>« 340.00- 341.40 Healed FLT breccia zone, calcite stockworks; 4% pyrite, some barite alteration; no Zn detected by Niton »</p> <p>« @ 343.90 8cm pale beige sphalerite pyrite calcite band with 8%Zn by Niton, the contact to « CCMS » is transitional, gradual, not abrupt and sudden»</p>											
345.00	345.00	EOH									