

Hole No.: BRO-029	Depth: 243.00 m	Horizontal Length: 0.00 m	Project: 1710
Location Data:			
Property:	Selwyn Project	Claim Name:	DON 22
Mining District:	Selwyn Basin	Grant Number:	Y 64954
Province/Territory:	Yukon		
UTM Co-Ordinates & Altitude of Drill Hole Collar:			
UTM Easting:	486216.11 m	True Azimuth:	22.0 °
UTM Northing:	6929004.35 m	Hole Angle:	-59.5 °
Elevation (m):	1431.13 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:	NL-04	Date Drilling Start:	05-Aug-15
		Date Finish:	08-Aug-15
Diamond Drill Core:			
Logged By:	EH	Date Logging Start:	21-Aug-15
		Date Finish:	27-Aug-15
Legend for Core Logging Codes: PAX			
Core Size:	NQ3	Cemented:	No
Casing Depth:	6.80 m	Casing Pulled:	Yes
Water Depth:	0.00 m	Overburden Depth:	6.80 m
Level:		Section:	
		Drift:	

Selwyn Project

Diamond Drill Log

Survey Data for Hole

BRO-029

Hole Comments:

Wed, Aug 05 --- DS: Helping setup drill 4 at TSF site, begun move at 2pm. Moved and setup on pad BRO-814 to drill BRO-027. NS: Finished setting up drill, burned an anchor. Put in 3 meters of casing, then drilled to 10.5m. Reamed casing but had trouble advancing. Pulled everything and set the casing at 6m. Tried to drill but the bit went in the casing and couldn't pull the casing. No go. So back machine up and start again. Left 6 meters of casing, 1 NQ rod, 1 shoe bit and 1 NQ bit downhole. Have restarted hole as listed as BRO-029.

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Thu, Aug 06 --- DS: Reset anchor, used 1 rod. Cased to 5m, normal drilling down to 55m. Performed reflex at 11m, lost water at 39m. NS: Steady drilling, no return, had vibration, pulled out to grease, blocky from 81 to 93m. Drilled 48m down to 108m. Current lithology unknown as core is still at drill. (Hole was initially labelled as 27A by drillers)

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Fri, Aug 07 --- DS: Regular drilling. Drilled 59m down to 167m. Reflex tests at 114 and 164m. NS: Regular drilling, steady but blocky, stopped to wash the hole 3 times and to try and get larger runs. Test at 215m. Drilled 48m down to 215m depth. Currently observed up to 165.7m in USMS. Will be flying core down as soon as fog clears up enough to sling.

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Sat, Aug 08 ---

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-59.5	22.0
11.00	-59.5	23.0
63.00	-59.8	25.7
114.00	-60.0	26.7
161.00	-59.7	29.0
215.00	-58.9	30.0
239.00	-58.7	30.3

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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	6.80	OVBR									
« 0.00- 5.00 No core was recovered » « 5.00- 6.80 Autochthonous pebbles without fine material »											
6.80	81.70	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 », « 6.80- 84.80 Oxidization zone of limonite on fractures with 0.3% Zn by Niton; Ni-Mn-Fe-barite anomalies » « 26.30- 29.30 FLT - a foliation domain controlled structural system with a=88° TCA, core loss; no-low cohesive strength; broken core with minor fault gouge » « 33.00- 34.20 FLT in foliation domain broken core; low cohesive strength; a FLT damage zone with a=81° TCA » « 75.00- 78.00 Shear sense deformation with echelon calcite arrays with shear surface = 48° TCA »											
81.70	170.60	USMS	E5575660	168.00	168.90	0.90					
USMS – Upper Siliceous Mudstone			E5575661	168.90	169.50	0.60					
			E5575662	169.50	170.60	1.10					
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% »,											

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		<p>« 81.70- 88.90 USMS with « CCMS » style black mudstone; without the upper « FLMD » and the lower cherty boudinages it is not easy to identify it so take a caution when when the real lithology does not fit the modal in your mind »</p> <p>« 84.00- 87.20 Barite alteration filling in foliations »</p> <p>« 90.80- 92.20 Barite and 0.2% Zn by Niton; It seems that ACTM underneath can make high Zn anomaly over « ACTM » in fractures as secondary overprinting in higher or younger stratigraphies »</p> <p>« 133.80- 134.20 Barite 0.2% Zn in fractures as fracture filling »</p> <p>« 137.20- 137.80 FLT - a healed fault breccia zone, vuggy, with calcite quartz veins; first compressional then dilational »</p> <p>« 154.10- 154.80 FLT - a healed fault breccia in a shear zone $\alpha=39^\circ$ TCA, abundant calcite veins »</p> <p>« 96.00- 170.60 A high strain zone comprising pressure shadowed pyrite porphyroblasts, rosette calcite clusters; limestone melange; steplike slickensides; foliation cleavage domain »</p> <p>« @ 98.10 Barite limestone bed »</p> <p>« 118.20- 122.70 Porphyroblasts of calcite pressure shadowed pyrite with L-tectonite, steplike slickensides »</p> <p>« 158.10- 166.80 Barite alteration - this alteration may be syn-sedimentary or syn-diagenetic or syn-deformation or all of them, how to use barite alteration to pathfind « ACTM » ? an interesting topic »</p>									
170.60	228.10	ACTM	E5575663	170.60	171.60	1.00					

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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>ACTM – Active Member</i>			E5575664	171.60	172.40	0.80					
			E5575665	172.40	172.90	0.50					
			E5575666	172.90	173.90	1.00					
			E5575667	173.90	174.30	0.40					
			E5575668	174.30	174.70	0.40					
			E5575669	174.70	175.30	0.60					
			E5575670	175.30	176.30	1.00					
			E5575671	175.30	176.30	1.00					
			E5575672	176.30	177.30	1.00					
			E5575673	177.30	178.90	1.60					
			E5575674	178.90	179.40	0.50					
			E5575675	179.40	180.30	0.90					
			E5575676	180.30	180.80	0.50					
			E5575677	180.80	181.20	0.40					
			E5575678	181.20	181.70	0.50					
			E5575679	181.70	182.10	0.40					
			E5575680	182.10	182.10	0.00					
			E5575681	182.10	182.50	0.40					
			E5575682	182.50	183.30	0.80					
			E5575683	183.30	184.10	0.80					
			E5575684	184.10	184.60	0.50					
			E5575685	184.60	185.70	1.10					
			E5575686	185.70	186.80	1.10					
			E5575687	186.80	187.20	0.40					
			E5575688	187.20	188.00	0.80					
			E5575689	188.00	189.00	1.00					
			E5575690	189.00	189.00	0.00					
			E5575691	189.00	190.00	1.00					
			E5575692	190.00	191.00	1.00					
			E5575693	191.00	191.50	0.50					
			E5575694	191.50	191.90	0.40					
			E5575695	191.90	192.60	0.70					
			E5575696	192.60	193.10	0.50					

ACTM – Active Member

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 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%
<p><i>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.</i></p> <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>			E5575697	193.10	193.50	0.40					
			E5575698	193.50	194.20	0.70					
			E5575699	194.20	195.00	0.80					
			E5575700	195.00	195.50	0.50					
			E5575701	195.00	195.50	0.50					
			E5575702	195.50	195.90	0.40					
			E5575703	195.90	196.30	0.40					
			E5575704	196.30	196.90	0.60					
			E5575705	196.90	198.00	1.10					
			E5575706	198.00	199.20	1.20					
			E5575707	199.20	199.80	0.60					
			E5575708	199.80	200.20	0.40					
			E5575709	200.20	200.60	0.40					
			E5575710	200.60	200.60	0.00					
			E5575711	200.60	201.50	0.90					
			E5575712	201.50	202.40	0.90					
			E5575713	202.40	203.40	1.00					
			E5575714	203.40	204.60	1.20					
			E5575715	204.60	205.60	1.00					
			E5575716	205.60	206.00	0.40					
			E5575717	206.00	207.00	1.00					
			E5575718	207.00	207.90	0.90					
			E5575719	207.90	208.70	0.80					
			E5575720	208.70	208.70	0.00					
			E5575721	208.70	209.50	0.80					
			E5575722	209.50	210.50	1.00					
			E5575723	210.50	211.50	1.00					
			E5575724	211.50	212.70	1.20					
			E5575725	212.70	213.10	0.40					
			E5575726	213.10	214.10	1.00					
			E5575727	214.10	214.70	0.60					
			E5575728	214.70	215.20	0.50					
			E5575729	215.20	216.20	1.00					
			E5575730	216.20	217.20	1.00					

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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%
Zn mineralization »			E5575731	216.20	217.20	1.00					
« 174.70- 175.30 TRACE. Silicified tectonic melange of sparry limestone and mudstone with patchy Zn on the contact »			E5575732	217.20	218.20	1.00					
« 175.30- 178.90 TRACE. Silicified sparry limestone with some micritic limestone with some no-Zn laminae in a FLT locally calcite veined »			E5575733	218.20	219.20	1.00					
« 178.90- 179.40 TRACE. Calicte veined sparry limestone, massive no Zn in a FLT damage zone, healed breccia »			E5575734	219.20	220.20	1.00					
« 179.40- 180.30 TRACE. Massive sparry limestone »			E5575735	220.20	221.20	1.00					
« 180.30- 180.80 TRACE TO LOW GRADE. Minor Zn laminae in sparry limestone »			E5575736	221.20	222.20	1.00					
« 180.80- 181.20 BARREN TO TRACE. Massive sparry limestone, graded, veined, weakly silicified »			E5575737	222.20	223.30	1.10					
« 181.20- 181.70 TRACE. Veined micritic and sparry limestone »			E5575738	223.30	224.50	1.20					
« 181.70- 182.10 TRACE. Massive graded sparry limestone »			E5575739	224.50	225.50	1.00					
« 182.10- 182.50 TRACE. Laminated mudstone with some limestone »			E5575740	225.50	225.50	0.00					
« 182.50- 183.30 TRACE. Silicified graded sparry limestone with weak Zn mineralization »			E5575741	225.50	226.30	0.80					
« 183.30- 184.10 TRACE. Massive black carbonaceous mudstone »			E5575742	226.30	227.00	0.70					
« 184.10- 184.60 TRACE. Massive graded sparry limestone »			E5575743	227.00	228.10	1.10					
« 184.60- 186.80 TRACE. Massive USMS style lithology without much visible Zn mineralization »											
« 186.80- 187.20 MODERATE GRADE. Sphalerite laminae in sparry limestone, brecciated »											
« 187.20- 189.00 BARREN TO TRACE. Massive micritic limestone »											
« 189.00- 190.00 MODERATE TO HIGH GRADE. High Sedex Zn laminae in silicified sparry limestone, silica flooded with galena stringers; in water escape structures Zn up to 37% by Niton »											
« 190.00- 191.50 LOW TO MODERATE GRADE. Silica flooded Sedex Zn laminated micritic limestone and mudstone »											
« 191.50- 192.60 TRACE TO LOW GRADE. Silicified massive sparry limestone with minor sphalerite laminae »											
« 192.60- 193.10 MODERATE GRADE. Sedex sphalerite laminae in silicified sparry limestone »											
« 193.10- 193.50 TRACE. Massive micritic and sparry limestone without much visible Zn mineralization »											

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		<p>« 193.50- 194.20 LOW TO MODERATE GRADE. Sedex Zn laminae in silica altered micritic limestone »</p> <p>« 194.20- 195.00 TRACE. Silicified micritic and sparry limestone without much Zn »</p> <p>« 195.00- 195.50 LOW TO MODERATE GRADE. Massive graded sparry limestone with wide-spaced Sedex Zn laminae »</p> <p>« 195.50- 195.90 TRACE. Calcite veined, moderately silicified micritic limestone with sphalerite stylolites »</p> <p>« 195.90- 196.30 LOW GRADE. Sedex sphalerite in mudstone and galena on the contact immediately to limestone, strong barite alteration »</p> <p>« 196.30- 196.90 HIGH GRADE. Sedex Zn-Pb ore in micritic limestone; Zn as laminae; overprinting; dissemination, with slump breccia and water escape structures »</p> <p>« 196.90- 199.20 LOW TO MODERATE GRADE. Silica flooded finely laminated mudstone micritic and sparry limestone with Sedex sphalerite mineralization, deformed stylolite and water escape structures filled with sphalerite »</p> <p>« 199.20- 199.80 LOW GRADE. Disseminated to Sedex laminae in silica altered micritic limestone »</p> <p>« 199.80- 200.20 HIGH GRADE. 9cm Sedex ore hosted in strongly deformed, finely laminated micritic limestone, silica flooded, water escape structures filled with sphalerite and galena; extremely ductile deformed »</p> <p>« 200.20- 200.60 TRACE TO BARREN. Graded sparry and micritic limestone without much Zn mineralization »</p> <p>« 200.60- 201.50 MODERATE GRADE. Silica flooded structural melange of Sedex Zn mineralized sparry limestone, with micritic limestone and mudstone with ductile deformation »</p> <p>« 201.50- 202.40 LOW TO MODERATE GRADE. A 10cm Zn high in silica altered deformed stylolite cut micritic limestone »</p> <p>« 202.40- 204.60 TRACE. Massive USMS style lithology, foliated »</p> <p>« 204.60- 206.00 LOW GRADE. Wide-spaced Sedex Zn laminae in massive mudstone, foliated, carbonaceous »</p> <p>« 206.00- 207.90 TRACE. Massive « USMS » style lithology, barite altered »</p> <p>« 207.90- 208.70 TRACE. Silicified deformed massive carbonaceous mudstone with micritic limestone »</p>									

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		« 208.70- 209.50 LOW TO MODERATE GRADE. Wide-spaced Sedex Zn laminae clustered in silicified micritic limestone » « 209.50- 212.70 TRACE. Silicified deformed micritic and sparry limestone » « 212.70- 213.10 MODERATE GRADE. Wide-spaced Sedex sphalerite laminae in highly silicified micritic and sparry limestone » « 213.10- 214.10 LOW GRADE. Mylonitized melange of slump breccia in silicified micritic limestone » « 214.10- 224.50 TRACE TO LOW GRADE. Brecciated mylonitized USMS style lithology with minor Zn mineralizations, dissemination Zn predominating » « 224.50- 226.30 BARREN. Massive USMS style lithology without much visible Zn » « 226.30- 228.10 BARREN. Massive micritic limestone; no lamination; nor alteration; nor mineralization »									
228.10	243.00	CCMS	E5575744	228.10	228.90	0.80					
		CCMS – Calcareous Mudstone	E5575745	228.90	229.90	1.00					
		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 », « 228.10- 243.00 A high strain zone of L-tectonite; deformed boudinages; pressure shadowed pyrite porphyroblasts; shear sensed offset and rotation; locally mylonitization; prevailing structural orientation a=50° TCA for foliations; a=16° TCA for cleavages; in a shear zone a=52° TCA »									
243.00	243.00	EOH									