

Hole No.: BRO-016	Depth: 240.00 m	Horizontal Length: 0.00 m	Project: 1710
Location Data:			
Property:	Selwyn Project	Claim Name:	DON 101
Mining District:	Selwyn Basin	Grant Number:	Y 64966
Province/Territory:	Yukon		
UTM Co-Ordinates & Altitude of Drill Hole Collar:			
UTM Easting:	486181.51 m	True Azimuth:	35.5 °
UTM Northing:	6929118.72 m	Hole Angle:	-67.0 °
Elevation (m):	1441.06 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:	17-Jul-15
		Date Finish:	23-Jul-15
Diamond Drill Core:			
Logged By:	EH	Date Logging Start:	22-Jul-15
		Date Finish:	27-Jul-15
Legend for Core Logging Codes: PAX			
Core Size:	HQ3	Cemented:	Yes
Casing Depth:	2.50 m	Casing Pulled:	No
Water Depth:	0.00 m	Overburden Depth:	2.50 m
Level:		Section:	
		Drift:	

Selwyn Project

Diamond Drill Log

Survey Data for Hole

BRO-016

Hole Comments:

Fri, Jul 17 --- DS: Performed hydrochemical surveys. Packer would not inflate. Borrowed packer from CYR drill. Packer+Air Lift for 8 hours. Pull rods, remove core barrel, lower rods with advancer, install 2" PVC for 1hr, pulle rods again. NS: Tear down, move set up (all by come along, re-orient drill) to BRO-SRK-03 (BR0-016), move all drill rods to new rod rack, set ancor at 9m.

Sat, Jul 18 --- DS: Casing to 6.5m in bad ground. Got stuck at 4m, conditioned hole, got stuck at 6.5m. Drilled down to 15m. NS: Drilled from 15-27m. Survey at 15m. Water line at pump broke, 7 new hoses, broken, blocky, ream everything, full return, hole is good, running thick Poly. Foremen hauling rods from camp to km16 and restringing hoseline up hill. Current lithology unknown as core still at drill.

Sun, Jul 19 --- DS: Drilled from 27-54m. Hit bad fault at 38m for rest of shift. Poor recovery and no recovery from 51-54m. NS: Drilled from 54-87m. Broken and blocky, reaming to keep free, washing at end of runs, running thick Blue and Gold muds. Good drilling after 79m. Current lithology unknown; core will be brought to camp this morning.

Mon, Jul 20 --- DS: Drilled from 87-120m. Performed airlift test. NS: Drilled from 120-138m. Packer test at 84m (3 attempts, took apart, replace all O-rings), bit change after packer test, back ream rods 24m to casing (very tight hole). Install rods, ream 3m to bottom (sand). Hole is good, running thick Poly.

Tue, Jul 21 --- DS: Drilled from 138-168m. Performed airlift test. NS: Drilled from 169-195m, broken+blocky, running Poly and washing hole at the end of runs, normal drilling. Current lithology unknown as core still at drill. Observed core until 146m in ACTM from 126.1-146.4m.

Wed, Jul 22 --- Drilled from 195-216. performed packer test @195m. NS: Drilled from 216-240m (EOH depth). Core observed down to 192.5m in CCMS.

Thu, Jul 23 --- DS: Performed final airlift and packer test. NS: Install HQ shoe, PVC pipe, HW stuck and could not get out (6m), cement hole through PVC (16 batches brought cement to top of hole), clean up pad, tear down drill and ready for move.

Fri, Jul 24 ---

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-67.0	35.5
15.00	-67.4	35.1
51.00	-68.0	34.3
102.00	-66.5	34.7
150.00	-65.7	36.8
201.00	-65.3	38.3
240.00	-63.6	40.4

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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	2.50	OVBR									
« No core was recovered from the Quarternary »											
2.50	38.90	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 »,											
« 2.50- 86.50 Oxidization zone of limonite and minor jarosite as well as some barite, minor hemimorphite »											
« 13.30- 15.00 FLT with core loss, fault gouge; broken; low cohesive strength; this fault also caused high strain zone around it - such as deformed boudinages, deformed bioturbations; S-C fabrics, pressure shadows of calcite around pyrite porphyroblasts, abundant broken core pieces »											
« 11.80- 39.00 FLT with fault gouge, broken, low cohesive, barite alteration in places »											
« 28.30- 30.90 Hydrothermal breccia with barite Cu Ni Zn alteration; abundant limonite, goethite, and minor jarosite, vuggy »											
38.90	78.00	FLT									
« 38.90- 78.00 FLT zone with core loss; fault gouge; no cohesive strength; rubble; no mineralization, minor barite; no veining; it dips 59° to southeast 130°; it contains complicated and various lithologies of such as probably BSSM »											
78.00	123.50	USMS	E5574260	121.40	122.50	1.10					
USMS – Upper Siliceous Mudstone			E5574261	122.50	123.50	1.00					

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		<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>◁ @ 86.50 Oxidization zone is down to 86.5 m marked by limonite and goethite ▷</p> <p>◁ @ 110.30 Foliations dip 53° to west northwest 276° ▷</p> <p>« 112.60- 114.60 FLT with fault gouge; core loss; associated with high strain zone, it dips 34° to southeast 130° »</p>									
123.50	159.40	ACTM	E5574262	123.50	124.00	0.50					
		ACTM – Active Member	E5574263	124.00	124.40	0.40					
			E5574264	124.40	125.10	0.70					
		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.	E5574265	125.10	126.10	1.00					
			E5574266	126.10	126.50	0.40					
			E5574267	126.50	127.10	0.60					
			E5574268	127.10	127.70	0.60					
			E5574269	127.70	128.50	0.80					
			E5574270	128.50	129.30	0.80					
			E5574271	128.50	129.30	0.80					
			E5574272	129.30	129.90	0.60					
			E5574273	129.90	130.40	0.50					
			E5574274	130.40	131.00	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.	E5574275	131.00	131.40	0.40					
			E5574276	131.40	132.00	0.60					
			E5574277	132.00	132.50	0.50					
		- 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	E5574278	132.50	133.20	0.70					
			E5574279	133.20	133.90	0.70					
			E5574280	133.90	133.90	0.00					

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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%
<p><i>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.</i></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> <p>- BASAL FACIES: This is a highly contorted and locally foliated carbonaceous</p>			E5574281	133.90	134.70	0.80					
			E5574282	134.70	135.50	0.80					
			E5574283	135.50	135.70	0.20					
			E5574284	135.70	136.20	0.50					
			E5574285	136.20	136.80	0.60					
			E5574286	136.80	137.50	0.70					
			E5574287	137.50	138.30	0.80					
			E5574288	138.30	139.40	1.10					
			E5574289	139.40	140.40	1.00					
			E5574290	140.40	140.40	0.00					
			E5574291	140.40	141.50	1.10					
			E5574292	141.50	142.50	1.00					
			E5574293	142.50	143.20	0.70					
			E5574294	143.20	143.90	0.70					
			E5574295	143.90	144.30	0.40					
			E5574296	144.30	145.40	1.10					
			E5574297	145.40	146.40	1.00					
			E5574298	146.40	147.40	1.00					
			E5574299	147.40	148.40	1.00					
			E5574300	148.40	149.50	1.10					
			E5574301	148.40	149.50	1.10					
			E5574302	149.50	150.50	1.00					
			E5574303	150.50	150.90	0.40					
			E5574304	150.90	152.20	1.30					
			E5574305	152.20	152.80	0.60					
			E5574306	152.80	153.80	1.00					
			E5574307	153.80	154.60	0.80					
			E5574308	154.60	155.80	1.20					
			E5574309	155.80	156.80	1.00					
			E5574310	156.80	156.80	0.00					
			E5574311	156.80	157.80	1.00					
			E5574312	157.80	159.00	1.20					
			E5574313	159.00	159.40	0.40					

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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. 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>« 123.50- 124.00 1.36% Zn and 0.19% Pb ON AVERAGE BY NITON. Silicified sparry limestone with localized disseminated Zn, lacking well developed laminations »</p> <p>« 124.00- 124.40 0.27% Zn and 0.00% Pb ON AVERAGE BY NITON. Unaltered laminated sparry limestone without Sedex Zn mineralization »</p> <p>« 124.40- 126.10 0.00% Zn and 0.00% Pb ON AVERAGE BY NITON. Massive black carbonaceous mudstone, shear sense deformed, lacking Sedex Zn mineralization »</p> <p>« 126.10- 126.50 6.32% Zn and 3.10% Pb ON AVERAGE BY NITON. Sedex Zn mineralized sparry limestone and carbonaceous mudstone, overprinted by sphalerite and galena veinlets, as well as barite alteration »</p> <p>« 126.50- 127.70 0.00% Zn and 0.00% Pb ON AVERAGE BY NITON. Massive micritic and sparry limestone; cleavages = 73° TCA, filled with calcite veins »</p> <p>« 127.70- 128.50 0.24% Zn and 7.37% Pb ON AVERAGE BY NITON. Silicified, barite altered sparry limestone with disseminated and less replaced Zn; galena as veinlets/stringers in places»</p> <p>« 128.50- 129.30 4.61% Zn and 3.51% Pb ON AVERAGE BY NITON. Silicified mudstone and limestone with galena filling in the contacts between them. Laminations and deformations in places »</p> <p>« 129.30- 129.90 5.48% Zn and 0.65% Pb ON AVERAGE BY NITON. Silicified, finely laminated sparry limestone with barite Zn lamina and veinlets; some</p>									

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		<p><i>foliations are filled with high grade Zn »</i></p> <p>« 129.90- 131.00 2.62% Zn and 0.23% Pb ON AVERAGE BY NITON. Massive sparry limestone with disseminated, veinlet and replacement Zn Pb mineralization, and the mineralization quite patchy »</p> <p>« 131.00- 131.40 7.85% Zn and 1.07% Pb ON AVERAGE BY NITON. Barite altered ductile deformed limestone and mudstone with sphalerite filling in foliations and cleavages »</p> <p>« 131.40- 132.00 2.65% Zn and 0.66% Pb ON AVERAGE BY NITON. Unsilicified sparry limestone mineralized by Zn; localized galena stringers and blebs »</p> <p>« 132.00- 132.50 0.45% Zn and 0.11% Pb ON AVERAGE BY NITON. Unaltered sparry limestone, locally Zn laminated »</p> <p>« 132.50- 135.50 6.67% Zn and 1.32% Pb ON AVERAGE BY NITON. Silica flooded Sedex Zn mineralized sparry limestone overprinted by barite-Zn »</p> <p>« 135.50- 135.70 5.95% Zn and 0.33% Pb BY NITON. Laminated sparry limestone; this is SRK sample »</p> <p>« 135.70- 136.20 7.90% Zn and 3.01% Pb ON AVERAGE BY NITON. Ductile deformed Sedex Zn ore, silicified laminated with galena stringers »</p> <p>« 136.20- 136.80 1.20% Zn and 0.11% Pb ON AVERAGE BY NITON. Sparry limestone gradually replaced by silica and Zn from foliations and cleavages »</p> <p>« 136.80- 138.30 2.21% Zn and 2.98% Pb ON AVERAGE BY NITON. Silicified laminated sparry limestone »</p> <p>« 138.30- 140.40 0.20% Zn and 0.026% Pb BY NITON. Massive micritic limestone sitting on massive mudstone with localized disseminated barite and minor Zn »</p>									

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		« 140.40- 141.50 4.54% Zn and 1.20% Pb ON AVERAGE BY NITON. Highly silica flooded, finely laminated sparry limestone with some mudstone mixed together apparently by ductile deformation »									
		« 141.50- 142.50 2.04% Zn and 0.27% Pb ON AVERAGE BY NITON. Unaltered wide-spaced laminated sparry limestone with disseminated Zn »									
		« 142.50- 143.20 7.50% Zn and 1.74% Pb ON AVERAGE BY NITON. Silicified sparry limestone with patchy Zn mineralization; high Zn in top 12 cm; the below is nearly 0% Zn »									
		« 143.20- 143.90 BARREN BY NITON. Silicified massive mudstone without visible mineralization »									
		« 143.90- 144.30 5.91% Zn and 0.69% Pb ON AVERAGE BY NITON. 10 cm Sedex Zn mineralization flanked by carbon aceous mudstone »									
		« 144.30- 145.40 0.27% Zn and 0.15% Pb BY NITON. Moderately silicified sparry limestone »									
		« 145.40- 146.40 0.34% Zn and 0.04% Pb ON AVERAGE BY NITON. Weakly silicified sparry limestone with high Zn in the top 10cm and at the bottom 8 cm; weak mineralization between them, with well developed stylolite structure »									
		« 146.40- 148.40 0.65% zn and 0.08% Pb ON AVERAGE BY NITON. Locally silicified sparry limestone with weak Zn dissemination »									
		« 148.40- 149.50 7.31% Zn and 0.07% Pb ON AVERAGE BY NITON. Silicified sparry limestone with wide-spaced laminations, patchy Zn mineralization, decarbonization; minor galena; Zn-Pb water escape structures and stylolites »									
		« 149.50- 150.90 BARREN. Graphitic slickensides dip 85° to southwest 221° « USMS » style lithology, nearly horizontal striations and grooves; quartz									

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		<p><i>calcite veined; < @ 149.50 barite Co-Ni-Cu-Zn-Pb hydrothermal veinlet >></i></p> <p><i>« 150.90- 152.20 0.10% Zn and 0.01% Pb ON AVERAGE BY NITON. Barite hydrothermal altered, silica flooded sparry limestone, ductile deformed, sinistral shear sense; possible bedding dips 56° to northeast 20° »</i></p> <p><i>« 152.20- 155.80 0.046% Zn and 0.00% Pb ON AVERAGE BY NITON. Barite altered USMS lithology, massive, lacking laminations; without mineralization »</i></p> <p><i>« 155.80- 156.80 BARREN BY NITON. FLT with fault gouge; rubble; no cohesive strength; the fault dips 60° to southeast 135° »</i></p> <p><i>« 156.80- 159.40 BARREN BY NITON. Veined, brecciated ductile deformed micritic basal limestone with localized breccia as brittle and dilational deformation »</i></p>									
159.40	240.00	CCMS	E5574314	159.40	160.40	1.00					
		CCMS – Calcareous Mudstone	E5574315	160.40	161.20	0.80					
			E5574316	161.20	161.20	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><i>« lm ca 5.00-10.00mm », « nodules py -3.00% 2.00-20.00mm »,</i></p> <p><i>« 161.20- 161.40 FLT with shear sense movement; mylonite, dipping 65° to southeast 147° »</i></p> <p><i>« 168.50- 171.30 FLT, foliations controlled, shear sense; parallel with S1, low cohesive strength; broken; dipping 39° to northeast 32° »</i></p> <p><i>« 171.30- 180.60 Ffoliation cleavage domain with orientation dipping 45°</i></p>									

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		<p>to north northeast 3° »</p> <p>« 182.80- 183.20 FLT with $\alpha=55^\circ$ TCA; fault gouge; low cohesive strength; parallel with S1; broken »</p> <p>« 190.10- 190.60 FLT with fault gouge; low cohesive strength; broken; dipping 47° to northeast 17° »</p> <p>« @ 185.00 Foliation dips 38° to north northeast 1° »</p> <p>« 193.50- 201.60 Shear zone with fault gouge; low cohesive strength; broken dipping 41° to due north »</p> <p>« @ 209.00 Foliation dips 72° to southeast 256° »</p> <p>« @ 208.80 Pyrite band dips 24° to southwest 204° »</p> <p>« @ 219.20 Pyrite calcite band dips 44° to southwest 258° »</p> <p>« 221.00- 222.80 FLT healed, veined, no cohesive strength; dipping 76° to southeast 171° »</p> <p>« 224.80- 231.20 FLT with fault gouge; rubble; veins; no cohesive strength; @ 228m, angular fragments, breccia vuggy; drusy crystals »</p> <p>« @ 232.70 Foliation dips 30° to northwest 321° »</p> <p>« 234.00- 234.80 FLT with barite alteration; rubble; no cohesive strength; fault gouge; dipping 26° to northwest 336° »</p> <p>« @ 239.60 Pyrite calcite band dips 15° to northwest 341° »</p>									
240.00	240.00	EOH									