

Hole No.: BRO-030	Depth: 342.00 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:	-50.0 °
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:	87.0 °		
Dimond Drilling Contract:			
Drilled By:	CYR-01	Date Drilling Start:	08-Aug-15
		Date Finish:	12-Aug-15
Diamond Drill Core:			
Logged By:	HG	Date Logging Start:	19-Sept-15
		Date Finish:	23-Sept-15
Legend for Core Logging Codes: PAX			
Core Size:	NQ3	Cemented:	No
Casing Depth:	6.00 m	Casing Pulled:	Yes
Water Depth:	0.00 m	Overburden Depth:	6.00 m
Level:		Section:	
		Drift:	

Selwyn Project

Diamond Drill Log

Survey Data for Hole

BRO-030

Hole Comments:

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.

Sun, Aug 09 --- DS: Normal drilling, minor conditioning hole. Drilled 51m down to a depth of 128m. NS: Major repairs on drill, motor on down hole pump seized up, bearings on tube down the hole blew apart, and the chain connecting the wire line motor to the winch broke. Repairs took 8 hours of shift. Drilled 18m down to total depth of 144m. Currently observed down to 74.8m in BSSM, remainder of core is on the way down to camp now.

Mon, Aug 10 --- DS: Good drilling, took reflex at 150m and 201m, conditioned hole for an hour. Drilled 60m down to 204m depth. NS: Good drilling, took reflex at 252m, took reflex at 252m. Drilled 54m down to 258m. Current lithology unknown as core is still at drill but plan to have it flown to camp on the way back with pilot from supply runs this morning.

Tue, Aug 11 --- DS: Pull rods, change bit and lower back down at 288m, minor conditioning of hole but normal drilling. Drilled 33m down to total depth of 291m. NS: Good drilling, reflex tests at 300m, 342m, used 1/2 pail of number 1. Geologist extended target to 340m, but to shut down and standby once this depth was reached. Morning drill visit revealed we had faulted into CCMS prior to entering Active Member.

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-50.0	27.0
21.00	-50.0	27.6
51.00	-49.9	27.8
102.00	-49.7	28.0
150.00	-48.6	29.5
201.00	-48.8	32.7
252.00	-48.7	32.0
300.00	-46.8	34.6
342.00	-47.3	34.7

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BRO-030

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	5.30	OVBR									
no recovery											
5.30	124.70	BSSM									
BSSM – Backside Siliceous Mudstone											
Devonian Siliceous Mudstone – Upper Chert Formation											
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 »,											
‹ @ 15.40 oriented elongate pyrite blebs 44° ›											
« 26.00- 33.00 abundant pyrite porphyroblasts with calcite pressure shadows »											
‹ @ 39.10 pyrite lineations and disseminated pyrite bands 42° ›											
‹ @ 50.50 very faint flaggy texture 30° ›											
‹ @ 65.30 bedding 66° ›											
« 72.00- 91.00 carbonaceous mudstone interval with abundant pyrite (porphyroblasts, bands, lineations), several narrow limestone intervals including ~40cm with radiating calcite alteration; abundant wide « qtz » veins; region resembles "USMS" with exception of minor presence of flaggy texture »											
‹ @ 82.30 parallel faint pyrite lineations 74° ›											
‹ @ 100.80 calcareous laminations 46° ›											
« 102.20- 109.30 Broken fracture zone; carbonaceous mudstone with common joint/fracture angle along graphitic slickensided surfaces; abundant qtz-calcite stockworking ~2%; 12°»											
« 109.30- 114.70 FLT: rubble and fault gouge, aligned clasts with no cohesive strength (crumble extremely easily); ~50% consolidated broken mudstone and FLMD, significant core loss of <3m (gouge wash?); 17°»											

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		<p>« 114.70- 121.00 FLT: siliceous carbonaceous black mudstone and FLMD with extensive silica flooding/intrusion/overprinting/veining/stockworking/breccia matrix/fracture fill; localized gouge seems up to 1.5cm wide; gouge at lower contact=014° orientation »</p> <p>« 121.00- 124.70 FLT: healed breccia, carbonaceous mudstone material, lacking silicification observed directly above; mudstone+quartz clasts within cemented carbonaceous gouge matrix with graphitic jointing; local consolidated limestone »</p>									
124.70	191.90	FLMD									
FLMD – Flaggy Mudstone Formation											
<p>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 »,</p> <p>« 124.70- 135.30 carbonaceous mudstone with minor FLMD texture; the FLMD contact could be interpreted at this lower contact »</p> <p>« @ 134.30 aligned flaggy texture 51° »</p> <p>« 138.90- 140.30 FLT: 0.5m recovery; fault gouge with <mm angular clasts; local consolidated core with extensive microfractures and alteration (bleached, lacking texture; sericite/clay/barite alteration?) »</p> <p>« 140.30- 142.80 altered region, lacking texture/structure; barite?sericite? clay? alteration »</p> <p>« @ 148.00 flaggy texture 58° »</p> <p>« @ 156.40 flaggy texture 44° »</p>											

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		« 163.40- 167.60 extensive replacement of flaggy texture "matrix" by pyrite; flaggy "wisps" preserved » ‹ @ 171.10 flaggy texture 44° › ‹ @ 184.00 flaggy texture 32° ›									
191.90	267.10	USMS ----- USMS – Upper Siliceous Mudstone 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% », ‹ @ 200.30 chert bands, pyrite lineations 26° › ‹ @ 207.90 alternating chert/calcareous bands, disseminated pyrite bands and limestone pseudobeds tend to be parallel and lacking significant crenulation ; orientation= 24° › ‹ @ 226.30 calcareous/chert/pyrite bands 43° › « 235.00- 267.10 silicified, "crackled" fractures, unmineralized laminations common- typical of lower USMS approaching ACTM » « 238.50- 244.10 This faulted region resembles ACTM or at least lower USMS (that tends to resemble ACTM) but is lacking mineralization. » « 238.50- 238.70 FLT: Healed breccia, rounded/sub-rounded clasts (pale cherty material, <mm-2mm) within darker grey cherty matrix; minor pyrite (±sphalerite) replacement of minor clasts; clasts aligned and parallel to crackle fractures; silicified, non calcareous; 34° » « 240.00- 241.00 FLT: healed graphitic fault-gouge material, cemented,									

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		<p>shiny, localized calcite overprinting; local sheared+brecciated limestone with lensoidal clasts »</p> <p>« 241.00- 244.10 limestone with abundant quartz-calcite veining/overprinting/breccia matrix; secondary orange sphalerite crystals overprint localized calcite veins »</p> <p>« 261.70- 261.80 jointed region 53°»</p> <p>« 264.90- 267.10 extremely silicified mudstone, healed microfaults that have brecciated clasts up to 3cm; clast boundaries are very faint and hard to distinguish 34°»</p>									
267.10	272.10	FLT									
		<p>« 267.10- 268.70 FLT: broken zone with significant core loss (1m recovery); rubble comprised of silicified mudstone and quartz-calcite-breccias 42°»</p> <p>« 268.70- 270.00 fracture zone; siliceous mudstone, graphitic joints 34°»</p> <p>« 270.00- 272.10 FLT: mudstone with abundant calcite-quartz: microfracture infill/bands/overprinting; healed breccia, sub-angular cherty mudstone clasts; sheared; this fault may be responsible for faulting out of lower USMS; abrupt change in lithology below this fault: mudstone becomes massive, homogenous and lacks banding »</p>									
272.10	342.00	CCMS									
		<p>CCMS – Calcareous Mudstone</p> <p>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).</p>									

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		<p>« lm ca 5.00-10.00mm », « nodules py -3.00% 2.00-20.00mm »,</p> <p>« @ 276.10 calcite/pyrite laminations 32° »</p> <p>« 272.10- 289.40 homogenous mudstone with calcite fibres and pyrite lineations (typical of CCMS) »</p> <p>« @ 289.20 calcite fibres 36° »</p> <p>« 289.40- 307.50 This region is characterized by a major fault (facies are broken out below); this fault marks an observable lithological change from massive carbonaceous mudstone with fibrous calcite lineations, resembling CCMS (above, hanging wall) and heavily banded mudstone with extensive boudin structures (below, footwall); this lower unit resembles "BSSM" (particularly the presence of boudins) however in this interpretation it is being logged as "CCMS". Similar lithologies have been observed in nearby drill holes and have been logged as "CCMS" (ex BRO-032). »</p> <p>« 289.40- 290.50 FLT: carbonaceous black fault gouge, soft with consolidated angular mudstone clasts with low cohesive strength; clasts orientation is preserved but variable (ranges from 0-90°); hanging wall orientation=60° »</p> <p>« 290.50- 292.10 jointed region, average 1.5cm spacing; calcite veins and lineations run parallel to jointing orientation; local 25cm calcite vein/overprinting/breccia »</p> <p>« @ 294.40 pyrite and calcite lineations 33° »</p> <p>« 296.50- 297.20 jointed region; near perpendicular TCA orientation, though varies from ~67-87°; joints are parallel to calcite lineations; narrow fault gouge region at bottom of interval »</p> <p>« 298.90- 300.00 FLT: carbonaceous black gouge and preserved angular mudstone clasts; broken calcite veins; local solid core is highly microfractured with</p>									

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		<p><i>very low cohesion between clasts »</i></p> <p>« 300.00- 303.40 FLT: carbonaceous fault gouge with mudstone and quartz-calcite clasts; intermittant consolidated mudstone: silicified with signifcant (~10%) calcite veining+overprinting »</p> <p>« 303.40- 304.20 jointed region; massive mudstone (possible healed gouge?), average 1cm joint spacing 39°»</p> <p>« 304.20- 307.50 FLT: graphitic black fault gauge, gouge pulls apart preferentially along graphitic planes (practically no cohesive strength); polymictic clasts: preserved carbonaceous mudstone + broken qtz-calcite vein material »</p> <p>« 307.50- 343.00 heavily banded calcareous mudstone with extensive boudinage structures »</p> <p>‹ @ 312.10 pyrite bands, calcareous bands (<5cm) 39° ›</p> <p>‹ @ 324.10 calcareous band 29° ›</p> <p>‹ @ 327.30 calcite boudins 52° ›</p> <p>‹ @ 340.20 pseudobed with boudinage 44° ›</p> <p>‹ @ 340.20 calcite veinlets, common angle, cut across boudins 23° ›</p> <p>‹ @ 341.70 boudins 65° ›</p> <p>‹ @ 341.70 calcite veinlets and common joint angle 28° ›</p>									
342.00	342.00	EOH									