

Hole No.: BRO-013	Depth: 317.00 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:	485750.25 m	True Azimuth:	25.0 °
UTM Northing:	6929125.61 m	Hole Angle:	-60.0 °
Elevation (m):	1277.32 m	NTS Name:	Placer Creek
		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:	85.0 °		
Dimond Drilling Contract:			
Drilled By:	CYR-01	Date Drilling Start:	26-Jun-15
		Date Finish:	29-Jun-15
Diamond Drill Core:			
Logged By:	HG and EH	Date Logging Start:	01-Jul-15
		Date Finish:	06-Jul-15
Legend for Core Logging Codes: PAX			
Core Size:	NQ3	Cemented:	No
Casing Depth:	7.10 m	Casing Pulled:	Yes
Water Depth:	0.00 m	Overburden Depth:	7.10 m
Level:	Section:		Drift:

Selwyn Project

Diamond Drill Log

Survey Data for Hole

BRO-013

Hole Comments:

Fri, Jun 26 --- DS: Drilled 16.7m down to EOH@268.7m on BRO-012, broken up ground and pulling lots of tubes, got stuck in hole and had to ream to 256m, hit clay @269m. NS: moved to new drill setup BRO-816 (BRO-013), cased 9m and drilled to 33m, encountered bad ground from 21-27m. Core will be flown into camp later today.

=====

Sat, Jun 27 --- DS: Drilled 72m from 33-105m, blocky rock, lost core recovery from 51-54m, drilling got better after 57m. NS: Drilled 81m from 105-186m, encountered bad ground from 142-146m. Current lithology: FLMD at 182m.

=====

Sun, Jun 28 --- DS: Drilled 60m down to a total depth of 246m. Good drilling, used 1 pail purvis. NS: Drilled 33m down to a total depth of 279m. Normal drilling, some blocky sections. Used blue and gold, bit change at 273m. Current lithology is USMS at depth of 276.1m.

=====

Mon, Jun 29 --- DS: Drilled down to total depth of 317m. Intersected ACTM from 286.8-304m. Bit gone at 317m, hole shut down at 317m. NS: Pulled rods, began packing drill for move, but could not begin unbolting until excavators moved drill down to road to prepare for flight. Next move will be to HCE-SRK-02.

<i>Depth</i>	<i>Dip</i>	<i>Azimuth</i>
0.00	-60.0	25.0
18.00	-59.8	25.2
51.00	-59.8	25.6
105.00	-59.9	26.9
150.00	-59.5	28.3
201.00	-59.6	28.8
252.00	-59.0	30.7
309.00	-57.6	31.8

Selwyn Project Diamond Drill Log

Hole Number:
BRO-013

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	7.10	OVBR									
20cm recovery, mechanically rounded limestone rubble											
7.10	147.20	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 »,											
« 8.40- 12.80 extremely microfractured mudstone with extensive qtz-calcite infill+overprinting+brecciation; polymictic clasts: angular mudstone (silicified mudstone and very silicified limestone, varying carbon content), qtz-calcite; carbonaceous shear structures 24° »											
« @ 15.30 faint laminations 24° »											
« 17.30- 20.40 qtz-calcite infill/cementing of microfracture network- same as above structure »											
« 20.40- 23.40 FLT- <0.5m recovery, graphitic carbonaceous gg, intact clasts with graphitic slickensides along open fractures, local clasts are crumbly (low cohesive strength) »											
« 23.40- 24.70 rubble zone, mechanical angular+rounded (by drilling) clasts; <0.6m recovery some clasts are bound together by drill muds »											
« 39.00- 42.20 low angle open fractures (parallel to weakly defined flaggy texture), 10cm of slaty rubble (<1cm clasts that are easily broken by hand) »											
« 47.10- 57.00 abundant qtz veining: branching+stringers; significant core loss from 52.9-54m (<0.3m recovery); common joint angle is not parallel to veins: 22° »											

Selwyn Project Diamond Drill Log

Hole Number:
BRO-013

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%
		<p>« 68.80- 70.50 common narrow rubble zones (<10cm) associated with minor gg- possibly mechanical along gg-filled joints/seems »</p> <p>◁ @ 75.70 bands of elevated carbon content (<2mm) 69° ▷</p> <p>◁ @ 85.60 faint flaggy textured beds 62° ▷</p> <p>◁ @ 100.20 slightly waxy flaggy texture 42° ▷</p> <p>◁ @ 116.00 narrow flaggy textured bed within homogenous mudstone interval 43° ▷</p> <p>« 123.80- 131.80 large/thick wavy pyrite bands are common in this interval, up to 5cm thick, 50° »</p> <p>◁ @ 137.20 disseminated pyrite band 78° ▷</p> <p>« 146.40- 147.20 rubble zone, intact core and fine grained rubble zone with cemented gg clasts, carbonaceous mudstone material and secondary qtz-calcite veining (~15cm); upper contact @ 71° »</p>									
147.20	240.20	FLMD									
		<p>FLMD – Flaggy Mudstone Formation</p> <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>« 147.20- 155.10 Low strain zone characterized by foliated flaggy bioturbations, bliquely cut by calcite veining, prevailing structural orientation a=34° TCA »</p> <p>◁ @ 151.40 Calcite veining with a= 89° TCA cutting foliations with a= 40° TCA ▷</p>									

Selwyn Project Diamond Drill Log

Hole Number:
BRO-013

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%
		« 155.10- 159.20 FLT - a healed fault breccia cemented by calcite with shear sense deformations; main structural orientation $\alpha=21^{\circ}$ TCA; low cohesive strength, lacking fault gouge; with dilational features in places »									
		« 159.20- 240.30 Low strain zone dominated by foliated flaggy bioturbations which are obliquely cut by calcite veining, and in this zone there are following features: »									
		« 188.10- 188.70 Healed fault breccia with angular fragments cemented by rock flour and minor calcite »									
		« 194.50- 195.00 Healed fault breccia, strongly graphitic (slickensides), heavily calcite cemented, parallel to S1 with $\alpha=46^{\circ}$ TCA »									
240.20	286.10	USMS	E5573260	283.70	285.00	1.30					
		USMS – Upper Siliceous Mudstone	E5573261	285.00	286.10	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% », « Foliation and cleavage domain strain zone, locally with S-C fabrics. Alpha for S = 36° TCA; alpha for C = 11° TCA @239.5m »									
		« @ 249.30 Prevailing structural orientation $\alpha = 42^{\circ}$ TCA, dominated by foliations »									
		« 256.90- 257.50 FLT comprising fit-together pieces, broken, low cohesive strength; apparently parallel to S1 with $\alpha=43^{\circ}$ TCA »									
		« @ 271.40 Alpha for graphitic foliation set = 24° TCA »									

Selwyn Project Diamond Drill Log

Hole Number:
BRO-013

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%
286.10	304.00	ACTM	E5573262	286.10	287.10	1.00					
<i>ACTM – Active Member</i>			E5573263	287.10	288.20	1.10					
<p><i>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.</i></p> <p>=====</p> <p><i>The ACTM has 8 different facies:</i></p> <p>=====</p> <p>- GREY CHERT FACIES: Consists of laminated medium light grey to medium dark grey chert. Mineralization: 95-99% quartz and up to 5% secondary calcite.</p> <p>- 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.</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>			E5573264	288.20	289.30	1.10					
			E5573265	289.30	290.40	1.10					
			E5573266	290.40	291.60	1.20					
			E5573267	291.60	292.80	1.20					
			E5573268	292.80	293.80	1.00					
			E5573269	293.80	294.90	1.10					
			E5573270	294.90	295.90	1.00					
			E5573271	294.90	295.90	1.00					
			E5573272	295.90	296.40	0.50					
			E5573273	296.40	297.00	0.60					
			E5573274	297.00	297.90	0.90					
			E5573275	297.90	298.70	0.80					
			E5573276	298.70	299.80	1.10					
			E5573277	299.80	300.80	1.00					
			E5573278	300.80	301.80	1.00					
			E5573279	301.80	302.50	0.70					
			E5573280	302.50	302.50	0.00					
			E5573281	302.50	303.50	1.00					
			E5573282	303.50	304.00	0.50					

Selwyn Project Diamond Drill Log

Hole Number:
BRO-013

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%
		<p>- <i>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.</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> <p>« @ 286.10 There is barite hydrothermal alteration with anomalous multi-element association, but Zn is not that high, a small faulting there »</p> <p>« 286.10- 287.10 TRTACE TO LOW GRADE. Foliated, moderately to strongly silicified black mudstone locally overprinted by sphalerite veinlets »</p> <p>« 287.1- 289.30 TRACE. Unsorted massive spary limestone »</p>									

Selwyn Project Diamond Drill Log

Hole Number:
BRO-013

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%
« 289.30- 290.40 MODERATE GRADE. Highly silicified, well laminated sparry limestone intercalated with carbonaceous mudstone locally with sphalerite lamina »											
« 290.40- 292.80 LOW TO MODERATE GRADE. Weakly silicified, moderately laminated sparry limestone with graphite coating on fractures and foliations »											
« 292.80- 293.80 HIGH GRADE. Silica flooded finely laminated sparry limestone overprinted by sphalerite and galena veinlets »											
« 293.80- 294.90 TRACE TO LOW GRADE. Strongly silicified poorly laminated sparry limestone without graphitic fractures and foliations »											
« 294.90- 296.40 LOW TO MODERATE GRADE. Strongly silicified, moderately laminated sparry limestone with graphite coated foliations and fractures »											
« 296.40- 297.90 TRACE. Massive sparry limestone with a 8 cm thick barren quartz calcite vein cutting in »											
« 297.90- 298.70 MODERATE GRADE. Silica flooded, moderately laminated sparry limestone lacking Zn overprinting »											
« 298.70- 299.80 TRACE. Barren quartz veined massive sparry limestone »											
« 299.80- 302.50 TRACE. Sparry limestone intercalated with carbonaceous mudstone »											
« 302.50- 304.00 BARREN. Unaltered micritic limestone without visible mineralization »											
304.00	317.00	CCMS	E5573283	304.00	305.00	1.00					
CCMS – Calcareous Mudstone			E5573284	305.00	306.00	1.00					
			E5573285	306.00	306.00	0.00					
Massive, calcareous, carbonaceous, dark grey mudstone. Most of the member is											

Selwyn Project Diamond Drill Log

Hole Number:
BRO-013

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%
		<p>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> <p>« lm ca 5.00-10.00mm », « nodules py -3.00% 2.00-20.00mm »,</p> <p>« 304.00- 317.00 This is a low strain zone comprising foliations and cleavages. Prevailing structural orientation $\alpha=31^{\circ}$ TCA »</p> <p>« @ 313.00 Foliation $\alpha=35^{\circ}$ TCA »</p> <p>« @ 316.40 Calcite veining vertically cutting cross foliations (with $\alpha=48^{\circ}$ TCA) »</p>									
317.00	317.00	EOH									