

Hole No.: HCE-030	Depth: 159.00 m	Horizontal Length: 0.00 m	Project: 1710
Location Data:			
Property:	Selwyn Project	Claim Name:	NOD 61
Mining District:	Selwyn Basin	Grant Number:	YB49425
Province/Territory:	Yukon		
UTM Co-Ordinates & Altitude of Drill Hole Collar:			
UTM Easting:	483160.47 m	True Azimuth:	185.0 °
UTM Northing:	6931069.59 m	Hole Angle:	-55.0 °
Elevation (m):	1220.20 m	NTS Name:	No Title
		UTM Datum:	NAD 83
		UTM Grid Zone:	9
		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:	245.0 °		
Dimond Drilling Contract:			
Drilled By:	NL-04	Date Drilling Start:	29-Jun-15
		Date Finish:	01-Jul-15
Diamond Drill Core:			
Logged By:	EH	Date Logging Start:	02-Jul-15
		Date Finish:	03-Jul-15
Legend for Core Logging Codes: PAX			
Core Size:	HQ3	Cemented:	No
Casing Depth:	11.20 m	Casing Pulled:	Yes
Water Depth:	0.00 m	Overburden Depth:	11.20 m
Level:		Section:	
		Drift:	

Selwyn Project

Diamond Drill Log

Survey Data for Hole

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Hole Comments:

Sun, Jun 21 --- Getting geotechnical drill ready to fly.

Mon, Jun 22 --- Helper and Denis (foreman) in to camp. Getting geotechnical drill ready to fly.

Tue, Jun 23 --- Working on drill, working on pumpshacks, getting ready to fly.

Wed, Jun 24 --- Working on drill and tools for geotechnical drilling. Expect to mobilize drill to site June 26th or 27th.

Thu, Jun 25 --- DS: Gilles, Robert, move fly definition rig to current setup. Denis, service geotechnical rig and build fuel tank rack for heli-portable double walled tanks. NS: No night shift on this drill yet, awaiting crew

Fri, Jun 26 --- DS: Pile HQ rods and P casing; preparations for fly move

Sat, Jun 27 --- DS: Tear down rig and load trailer; skidder haul trailer to 12km on Don Rd (2hrs). Received loads from helicopter (and set up) at new site HCE-SRK-04. NS: Setup drill and hose line, test hoses for leaks.

Sun, Jun 28 --- DS: Finish setup, drill anchor and start running casing (6m). NS: Reamed casing down to 12m depth, drilled 15m down to total depth of 21m. Used 1 pail number one. Had issues with reflex controller (operator error). Has been sorted out for June 29 drilling. Current lithology unknown as core is up at drill.

Mon, Jun 29 --- DS: Drilled 24m down to depth of 45m. Fault from 21m to 45m, lots of sand, high torque. Used 1 pail of #1 mud. NS: Drilled 9m down to depth of 54m. Pull back to 15m for packer test, pull for bit change at 54m. Very broken up after 54m. Used 1 pail of #1 mud. Current lithology is faulted mudstone (USMS or CCMS).

Tue, Jun 30 --- DS: Drilled 39m down to a depth of 93m. Used 1 pail #1. Test at 93m, started airlift around 5:30, pulled out 30m of HQ, lowered 30m of BQ. NS: Performed packer and airlift test, drilled 6m down to total depth of 99m. Currently in USMS.

Wed, Jul 01 --- DS: Drilled 21m down to 120m deth. Drilled in fault, lots of sand/hole tight from 99 to 105m, blocky after fault, performed packer test. NS: Drilled 39m down to 159m depth. Broken and faults, then changed to good rock. Survey at bottom of hole at 159m. Used 1 pail of #1 mud. End of hole at 159m in USMS (potentially CCMS).

Depth	Dip	Azimuth
0.00	-55.0	185.0
42.00	-55.9	186.4
93.00	-55.9	187.4

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Diamond Drill Log

Survey Data for Hole

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Selwyn Chihong Mining Ltd.

#2701- 1055 West Georgia Street

Vancouver, British Columbia

Canada V6E 0B6

159.00	-55.2	186.7
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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%
0.00	11.20	OVBR									
« 0.00- 3.00 No core was recovered »											
« 3.00- 7.10 Gravels and boulders of chert pebble conglomerate with weak oxidization marked by minor limonite »											
« 7.10- 11.20 Unsorted, loose, angular to subangular alluvial sediment »											
11.20	26.70	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 »,											
« 20.80- 22.30 FLT mainly with fit-together pieces, low cohesive strength; lacking fault gouge. Brecciation is controlled, and parallel to foliation with $\alpha=142^\circ$ and $\beta=50^\circ$ at 22.2 m, suggesting it dips 37° to west. Foliation structures obliquely cut through flaggy bioturbations in places»											
« 22.30- 26.70 FLT with abundant fault gouge and some broken pieces; low to no cohesive strength; parallel to S1 »											
26.70	121.80	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% »,											

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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>« 26.70- 43.80 FLT with abundant fault gouge and broken pieces; low to no cohesive strength; »</p> <p>« @ 34.40 graphitic slickenside »</p> <p>« @ 41.80 Healed fault breccia », possibly parallel to S1 with $\alpha=44^\circ$ TCA</p> <p>« 43.80- 48.00 High strain zone consisting of calcite shadowed pyrite porphyroblasts, and shear sensed enechelon pyrite arrays»</p> <p>« @ 47.80 close up folded boudinages »</p> <p>« 48.00- 57.10 FLT with minor fault gouge and abundant broken pieces; mainly low cohesive strength; with strong shear sensed deformations of such as folded boudinages; the dominant structural orientation is $\alpha=90^\circ$ and $\beta=42^\circ$, dipping 35° to north northeast»</p> <p>« 57.10- 57.50 FLT - fault gouge dominated, no cohesive strength; parallel to S1 (dipping 57° to southwest) »</p> <p>« 57.50- 97.30 High strain zone characterized by dextral shear sensed deformations, including close up folds and calcite shadowed pyrite porphyroblasts, and fish shaped structures. Sparry limestone concretions and graphitic slickenside in places; dominant structural (foliation) orientaion is to dip 54° to southwest »</p> <p>« 97.30- 106.40 FLT with abundant fault gouge and some broken pieces; low to no cohesive strength; parallel to S1 with $\alpha=36^\circ$ TCA »</p> <p>« 106.40- 116.40 High strain zone with foliation-controlled breccia zone cut by fish shaped pyrite porphyroblasts and calcite veinlets; sparry limestone concretions in places; main structural orientation is to dip 24° to northwest »</p> <p>« 116.40- 118.00 FLT with healed fault breccia, minor fault gouge and</p>									

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abundant broken pieces; dilational vuggy calcite veining; seemingly foliation related but not parallel to it » « 118.00- 121.80 High strain zone dominated by boudinage structures »											
121.80	122.50	FLT « Weakly Zn mineralized and barite altered fault gouge; foliation controlled and parallel to it; graphitic slickenside; main structural orientation a=47° TCA »									
122.50	159.00	CCMS CCMS – Calcareous Mudstone 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 », « 122.50- 125.00 FLT with broken pieces, locally barite altered, minor fault gouge; possibly parallel to S1; main structural orientation is to dip 55° to north northeast» « 125.00- 148.60 Low strain zone dominated by foliation and cleavage structures, with a small fault @ from 146 to 146.3 m with fault gouge and pyrite porphyroblasts; main structural orientation is to dip 89° to northeast » « 148.60- 151.10 FLT with heavy vein cemented crackle breccia, locally fault gouge and graphitic slickenside » « 151.50- 159.00 Low strain zone dominated by foliation and cleavage structures » « @ 155.80 Secondary cleavage dips 66° to northeast »									



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		< @ 157.70 Folded calcite stylolite dips 33° to northwest >									
159.00	159.00	EOH									