



Placer Technical Assessment Report

August 5, 2020

Revised August 8, 2020

Whitehorse Mining District
Yukon Territory
NTS 115J/10
Latitude: 62⁰ 44' N
Longitude: 138⁰ 50'

Placer Claim Names:
CAS PL 4-58

Report By:
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For:
Casino Mining Corp.
a subsidiary of
Western Copper and Gold Corporation
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V6E 4H1

SUMMARY

The Casino Property is located approximately 300 km northwest of Whitehorse on NTS map sheets 115J/09, 10 and 15, in the Whitehorse Mining District (see Figure 1). The Property consists of 1136 quartz claims and 55 placer claims registered in the name of Casino Mining Corp. This report covers assessment work performed in the summer of 2019 on Casino Placer Claims PL 4-58.

Casino Mining (CMC) conducted an extensive diamond drilling exploration campaign during the 2019 calendar year (May 27th – September 15th). During this period 14,000+ meters of NTW drilling was performed, of which 115.4 meters of overburden drilling in six drill holes fell on the Casino Mining Placer Claims (see Figure 3 for drill hole locations). The overburden material was logged, sampled and analyzed at ALS Chemex in Whitehorse for gold, silver, copper and molybdenum as well as a full ICP suite. Check pulp samples were sent to SGS Canada Inc in Burnaby, BC. All drill hole locations were surveyed by CAP Engineering with supervision by CMC staff. Access trails, pad clearing, drill transport and pad remediation were performed by Kluane Drilling using a D-6N caterpillar. Drilling was completed using two KD-1000 drills owned and operated by Kluane Drilling. Core collection, splitting, logging and analysis were completed on site by CMC technical staff (geologists and core cutters).

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1.0 INTRODUCTION

The exploration program on the Casino Mining (CMC) placer claims consisted of diamond drilling and overburden sampling and assaying. The program took place between May 27th and September 15th of 2019.

The exploration program was managed by CMC technical staff, Wolfbear Geological Consulting and Bill Dunn. Heavy equipment and diamond drilling services were provided by Kluane Drilling Ltd. Heather Seeley, P.Ge of Wolfbear Geological Consulting and Bill Dunn, P.Eng of William Dunn Enterprises managed the field program in 2019.

2.0 LOCATION AND ACCESS

The Casino Property is located in the Dawson Range Mountains, 300 km northwest of Whitehorse (see Figure 1). The property is centered at latitude 62° 44' 16" N and longitude 138° 49' 41" W on NTS map sheets 115J/09, 10 and 15.

Principle access to the property is by air to a 900 m landing strip at the exploration camp. Alternatively, a rough road from the camp accesses a barge landing on the Yukon River. Historically, overland access to the property has been by winter road routes to the east and west.



Figure 1: Property Location Map

3.0 CLAIM INFORMATION

The CMC placer claims lie within the Whitehorse Mining District and cover 5 miles on the headwaters of Casino Creek, on NTS map sheet 115J10. The project is located on Crown land administered by the Yukon Government and is within the Selkirk First Nation traditional territory. Claim Information is listed in Table 1 and shown in Figures 3a & 3b.

Grant #	Name	Owner	Expiry
P 508071	CAS PL 10	Casino Mining Corp. - 100%	2/11/2022
P 508072	CAS PL 11	Casino Mining Corp. - 100%	2/11/2022
P 508073	CAS PL 12	Casino Mining Corp. - 100%	2/11/2022
P 508074	CAS PL 13	Casino Mining Corp. - 100%	2/11/2022
P 508075	CAS PL 14	Casino Mining Corp. - 100%	2/11/2022
P 508076	CAS PL 15	Casino Mining Corp. - 100%	2/11/2022
P 508077	CAS PL 16	Casino Mining Corp. - 100%	2/11/2022
P 508078	CAS PL 17	Casino Mining Corp. - 100%	2/11/2022
P 508079	CAS PL 18	Casino Mining Corp. - 100%	2/11/2022
P 508080	CAS PL 19	Casino Mining Corp. - 100%	2/11/2022
P 508081	CAS PL 20	Casino Mining Corp. - 100%	2/11/2022
P 508082	CAS PL 21	Casino Mining Corp. - 100%	2/11/2022
P 508083	CAS PL 22	Casino Mining Corp. - 100%	2/11/2022
P 508084	CAS PL 23	Casino Mining Corp. - 100%	2/11/2022
P 508085	CAS PL 24	Casino Mining Corp. - 100%	2/11/2022
P 508086	CAS PL 25	Casino Mining Corp. - 100%	2/11/2022
P 508087	CAS PL 26	Casino Mining Corp. - 100%	2/11/2022
P 508088	CAS PL 27	Casino Mining Corp. - 100%	2/11/2022
P 508089	CAS PL 28	Casino Mining Corp. - 100%	2/11/2022
P 508090	CAS PL 29	Casino Mining Corp. - 100%	2/11/2022
P 508091	CAS PL 30	Casino Mining Corp. - 100%	2/11/2022
P 508092	CAS PL 31	Casino Mining Corp. - 100%	2/11/2022
P 508093	CAS PL 32	Casino Mining Corp. - 100%	2/11/2022
P 508094	CAS PL 33	Casino Mining Corp. - 100%	2/11/2022
P 508095	CAS PL 34	Casino Mining Corp. - 100%	2/11/2022
P 508096	CAS PL 35	Casino Mining Corp. - 100%	2/11/2022
P 508097	CAS PL 36	Casino Mining Corp. - 100%	2/11/2022
P 508098	CAS PL 37	Casino Mining Corp. - 100%	2/11/2022

Grant #	Name	Owner	Expiry
P 508099	CAS PL 38	Casino Mining Corp. - 100%	2/11/2022
P 508100	CAS PL 39	Casino Mining Corp. - 100%	2/11/2022
P 508065	CAS PL 4	Casino Mining Corp. - 100%	2/11/2022
P 509301	CAS PL 40	Casino Mining Corp. - 100%	2/11/2022
P 509302	CAS PL 41	Casino Mining Corp. - 100%	2/11/2022
P 509303	CAS PL 42	Casino Mining Corp. - 100%	2/11/2022
P 509304	CAS PL 43	Casino Mining Corp. - 100%	2/11/2022
P 509305	CAS PL 44	Casino Mining Corp. - 100%	2/11/2022
P 509306	CAS PL 45	Casino Mining Corp. - 100%	2/11/2022
P 509307	CAS PL 46	Casino Mining Corp. - 100%	2/11/2022
P 509308	CAS PL 47	Casino Mining Corp. - 100%	2/11/2022
P 509309	CAS PL 48	Casino Mining Corp. - 100%	2/11/2022
P 509310	CAS PL 49	Casino Mining Corp. - 100%	2/11/2022
P 508066	CAS PL 5	Casino Mining Corp. - 100%	2/11/2022
P 509311	CAS PL 50	Casino Mining Corp. - 100%	2/11/2022
P 509312	CAS PL 51	Casino Mining Corp. - 100%	2/11/2022
P 509313	CAS PL 52	Casino Mining Corp. - 100%	2/11/2022
P 509314	CAS PL 53	Casino Mining Corp. - 100%	2/11/2022
P 509315	CAS PL 54	Casino Mining Corp. - 100%	2/11/2022
P 509316	CAS PL 55	Casino Mining Corp. - 100%	2/11/2022
P 509317	CAS PL 56	Casino Mining Corp. - 100%	2/11/2022
P 509318	CAS PL 57	Casino Mining Corp. - 100%	2/11/2022
P 509319	CAS PL 58	Casino Mining Corp. - 100%	2/11/2022
P 508067	CAS PL 6	Casino Mining Corp. - 100%	2/11/2022
P 508068	CAS PL 7	Casino Mining Corp. - 100%	2/11/2022
P 508069	CAS PL 8	Casino Mining Corp. - 100%	2/11/2022
P 508070	CAS PL 9	Casino Mining Corp. - 100%	2/11/2022

Table 1: Casino Mining Placer Claims

4.0 PHYSIOGRAPHY AND CLIMATE

The Dawson Range forms a series of well-rounded ridges and hills that reach a maximum elevation of 1,675 m above mean sea level (ASL). The ridges rise above the Yukon Plateau, a peneplain at approximately 1200 m ASL, which is deeply incised by the mature drainage of the Yukon River watershed. Major drainage channels extend below 1,000 m ASL. Most of the project lies between the 650 m elevation at Dip Creek and an elevation of 1,400 m at Patton Hill. The most notable local physical feature is the Yukon River, which flows west about 16 km north of the project site.

Most of the Dawson Range escaped Pleistocene continental glaciation, although minor alpine glaciation produced small cirques and terminal moraines locally.

The climate in the Dawson Range is subarctic. Permafrost is widespread on north-facing slopes, and discontinuous on south-facing slopes. Outcrop is rare, except on hilltops and rugged ridge crests. The residual nature of much of the rubble on upper slopes allows for generalized geological mapping and good geochemical and geophysical interpretation. Most broad valleys are filled with thick alpine glacial debris and alluvium, which mask bedrock geology and associated geochemical and geophysical signatures.

The mean annual temperature for the area is approximately -5.5°C with a summer mean of 10.5°C and a winter mean of -23°C . Temperatures range between -40°C in the winter to 30°C in the summer. Mean annual precipitation is low, ranging between 300-450mm; with most precipitation occurring in July and early August. Most of the terrain supports forests of black and white spruce, lodgepole pine, balsam poplar, white birch and speckled alder. At higher elevations and in the alpine terrain, only dwarf birch, scrub willows, and alpine mosses, grasses, and sedges are found.

Snow survey data for the years 1977 to 1994 (based on information from Hallam, Knight Piesold, Casino Project, Data Report 1993-1995, March 1997) showed the maximum snow depth was 97 cm containing the equivalent of 225mm of water in April 1991. Average depths (equivalent H₂O) by month were: February 1: 52 cm (73 mm), March 1: 62 cm (107 mm), April 1: 65 cm (126 mm), May 1: 55 cm (128 mm), and May 15: 27 cm (74 mm). Snow begins accumulating in mid to late September and is mostly melted by mid to late May.

5.0 PROPERTY HISTORY

The Casino Property has had a long and varied exploration history. The first documented placer claims in the immediate area were recorded in April 1911, following a placer gold discovery on Canadian Creek by J. Britton and C. Brown. In 1917, D.D. Cairnes, of the Geological Survey of Canada, recognized huebnerite ($MnWO_4$) in the heavy- mineral concentrates of the placer workings. He suggested that the gold and tungsten mineralization was derived from an intrusive complex on Patton Hill (which is now recognized as the core of the Casino porphyry deposit). The total placer gold production is unknown; the most recent work (1980-1985) yielded about 50 kg (1615 troy ounces) of gold. During the Second World War, a small amount of tungsten was recovered.

The first mineral claims at Casino were staked by N. Hansen in 1917. In 1936, silver- lead-zinc veins were discovered by J. Meloy and A. Brown approximately 3 km south of the Canadian Creek placer workings. Over the next several years the Bomber and Helicopter vein systems were explored by hand trenches and pits. The Helicopter claims were staked in 1943 and the Bomber and Airport groups in 1947.

From 1948 to 1963 the focus of exploration on the property was for lead-silver mineralization at the Helicopter and Bomber veins. The property was optioned to Noranda in 1948 and then to Rio Tinto in 1963. During this time trenching, mapping and sampling were conducted.

In 1963, L. Proctor purchased the claims and formed Casino Silver Mines Limited to develop the silver-rich veins. Between 1965 and 1980, the silver-bearing veins were explored and developed intermittently by underground and surface workings. In total, 372.5 tonnes of hand-cobbed argentiferous galena, assaying 3689 g/t Ag, 17.1 g/t Au, 48.3% Pb, 5% Zn, 1.5% Cu and 0.02% Bi, were shipped to the smelter at Trail, British Columbia.

B. Hestor noted that the area had porphyry deposit potential in 1963, but his observations did not become generally known. In 1967, the porphyry potential was recognized again, this time by A. Archer and separately by G. Harper. Archer's evaluation led to the acquisition of Casino Silver Mines Limited by the Brynelsen Group, and from 1968 to 1973 exploration was directed jointly by Brameda, Quintana, and Teck Corporation towards a porphyry target. Exploration included extensive geophysical and trenching programs, but it was mainly thanks to the soil geochemistry, that the porphyry deposit was discovered in 1969.

Following the porphyry discovery, various parties including Brameda Resources, Quintana Minerals and Teck Corporation drilled the property. During this period (between 1969 and 1973), 5,328m of reverse circulation drilling in 35 holes and 12,547m of diamond drilling in 56 holes was completed.

In 1991, Archer Cathro & Associates (1981), Ltd. optioned the property and assigned the option to Big Creek Resources Ltd. A drill program in 1992 consisting of 21 HQ (63.5 mm diameter) holes totaling 4,729m, systematically assessed the gold potential in the core of the deposit for the first time. The larger-sized core gave better recovery and more reliable assays than earlier drilling.

In 1992, Pacific Sentinel Gold Corp. (PSG) acquired 100% the property from Archer Cathro and commenced a major exploration program. The 1993 program included surface mapping and 50,316 m of drilling in 127 holes. All but one of the 1992 drill holes were deepened in 1993.

In 1994, PSG drilled an additional 108 drill holes totaling 18,085 m. This program completed the delineation drilling set out in 1993 and investigated various geological, geotechnical, structural, and environmental aspects of the project. In addition, PSG performed a considerable amount of metallurgical, geotechnical and environmental work and completed a scoping study in 1995. The scoping study envisioned a large-scale open pit mine, conventional flotation concentrator that would produce a copper-gold concentrate for sale to Pacific Rim smelters.

First Trimark Resources and CRS Copper Resources obtained the property and using the Pacific Sentinel Gold data published a Qualifying Report on the property in 2003 to bring the resource estimate into compliance with National Instrument 43-101 requirements. The two firms combined to form Lumina Copper Corporation in 2004. An update of the Qualifying Report was issued in 2004.

Western Copper Corporation acquired Lumina Copper Corporation, and the Casino Deposit, in November, 2006. In 2007, Western Copper conducted an evaluation of the Bomber Vein System and southern slope of Patton Hill by VLF-EM and Horizontal Loop EM surveying and soil geochemistry. Environmental baseline studies were also initiated in 2007.

From 2008 to 2011, Western Copper completed reclamation of historic work sites and camp, 22.5 km of DC/IP surveying and MT surveying using the Quantec Geosciences Ltd Titan system, baseline environmental studies, archaeological studies, engineering, geotechnical, metallurgical and acid-rock drainage (ARD) studies, an airphoto survey, and access road upgrades. The company also conducted 24,306 m of exploration drilling in 87 holes and 5,248 m of drilling in 58 holes for geotechnical and hydrogeological purposes.

In January 2013, M3 Engineering and Technology Corporation prepared a Feasibility Study for Western Copper and Gold incorporating Pacific Sentinel's historic data and Western Copper's data. The updated resource calculated measured, indicated and inferred resources for the Leached Cap of 101 Mtonnes grading 0.38 g/t gold at a 0.25 g/t gold cut-off. The M, I & I resource of the combined supergene sulphide and hypogene zone, at a 0.25% copper equivalent cut-off, returned 2,753 Mtonnes grading 0.16% copper, 0.19 g/t gold, 0.021% molybdenum and 1.50 g/t silver for and equivalent copper grade of 0.42%.

The Feasibility Study contemplated the development of the Casino deposit as a conventional truck-shovel, open pit mine, initially processing the gold bearing oxide cap as a heap leach operation. Sulphide ore processing would commence approximately 2.5 years later at a nominal rate of 120,000 tpd in a concentrator, which would produce copper concentrate and molybdenum concentrate.

In May 2019, Casino Mining Corp, a wholly owned subsidiary of Western Copper and Gold Corp, conducted a 14,000+ meter diamond drilling campaign with the purpose of updating the 2013 resource estimation and testing new areas of exploration potential.

6.0 REGIONAL GEOLOGY

The Casino Cu-Mo-Au-Ag porphyry deposit lies in the central Dawson Range, within the large and vastly-complex Yukon-Tanana Terrane: an accretionary and pericratonic, metamorphic fragment of the Omineca Belt. Local to the Casino Property, the Yukon-Tanana is subdivided into the Yukon Catalastic Terrane to the northeast and the Yukon Crystalline Terrane to the southwest, separated by a northwest-trending suture. Sporadic bands of Permian to Triassic ultramafic rocks exist along this contact zone.

The Yukon Crystalline Terrane in the Dawson Range area is represented by the Devono-Mississippian Wolverine Creek Metamorphic Suite and is made up of sedimentary and igneous protoliths. The meta-sedimentary unit consists mainly of quartz-feldspar-mica schist and gneiss, quartzite, and micaceous quartzite, while the meta-igneous unit includes biotite-hornblende-feldspar gneiss and other orthogneiss, as well as hornblende amphibolite.

During the mid-Cretaceous, the Wolverine Creek Metamorphic Suite was intruded by the Dawson Range Batholith and subsequent Casino Intrusions. The Dawson Range Batholith is the main country rock of the Casino Property and is represented by a relatively homogeneous, medium- to coarse-grained, hornblende-bearing, potassic quartz diorite to granodiorite; and lesser fine- to medium-grained diorite and quartz monzonite veins, dykes, and plugs.

Age determination, as well as geochemistry, place the Casino Intrusions back into the mid-Cretaceous as fractionated magmas of the Dawson Range Batholith. Recent field relationships, however, have shown that the quartz monzonite of the Casino Intrusions, once thought to be separate intrusions, are actually intensely altered and recrystallized diorite of the Dawson Range Batholith.

In the late Cretaceous, the Prospector Mountain Plutonic Suite intruded as stocks and apophyses into the Dawson Range Batholith. In the Casino area, this suite is represented by Patton Porphyry: small, biotite-bearing, feldspar-porphyrific, hypabyssal rhyodacite to dacite intrusions near the centre of the deposit and discontinuous centimeter- to metre-wide dikes northwest of the property. In the Casino deposit, early phases the Patton Porphyry grade into a mineralized intrusive breccia. Later, unaltered dykes of similar rock can cut surrounding hydrothermally altered and mineralized rocks suggesting there are multiple phases of this unit. Hydrothermal alteration and mineralization occur in and adjacent to these late Cretaceous intrusions.

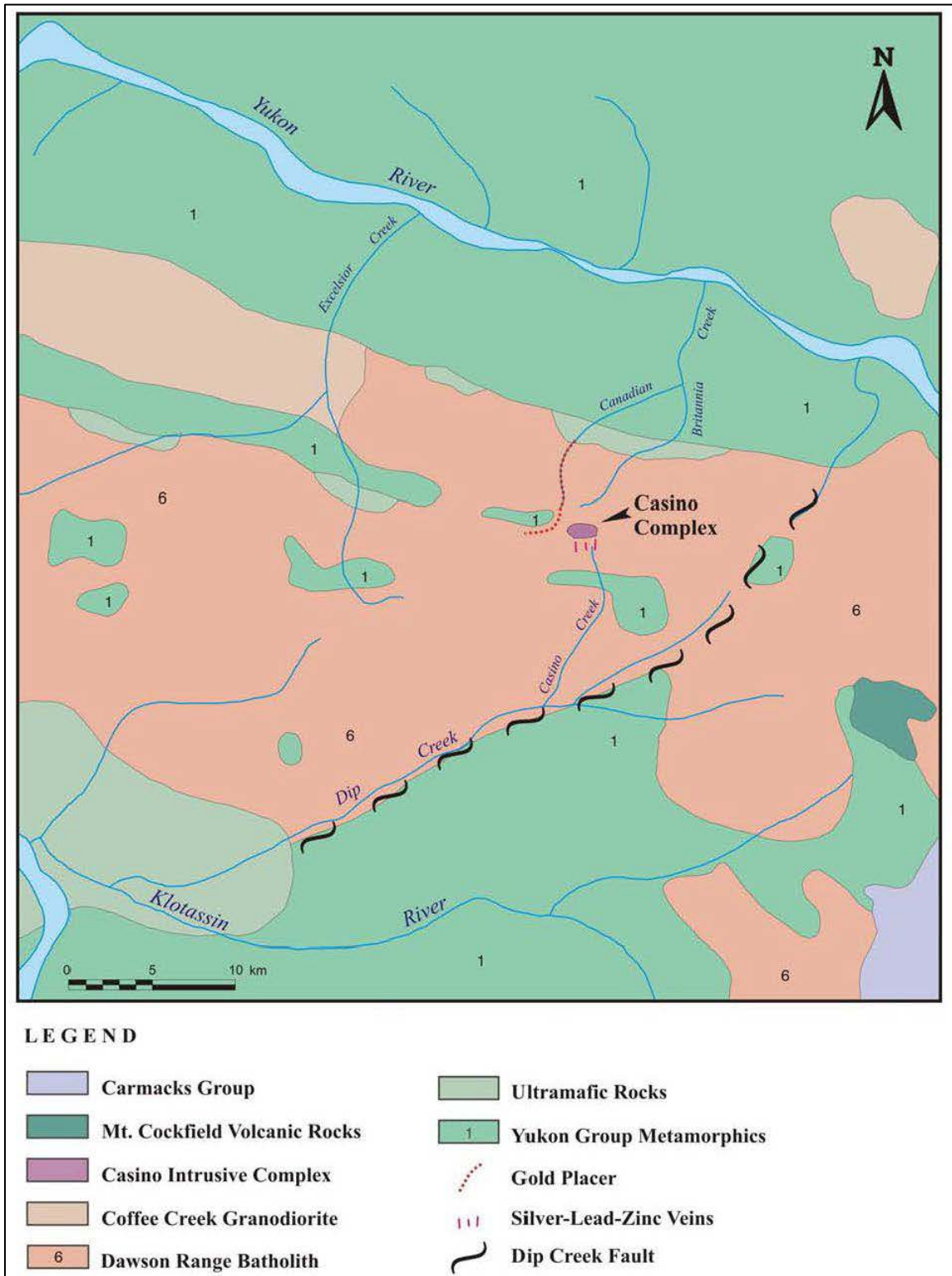


Figure 2: Regional Geology, from Casselman 2013

7.0 2019 PLACER DRILLING WORK

2019 Drill Hole ID	Meters of Overburden
DH 19-26	15*
DH 19-26A	13.72
DH 19-30	18
DH 19-31	18.29
DH 19-36	33.63
DH 19-44	16.76
TOTAL	115.4

Table 2: Overburden Drilling on Placer Claims

The overburden material recovered from the holes listed in Table 2 was logged, sampled and analyzed for a full ICP suite of minerals, including gold. Hole DH 19-26 was logged, but not sampled as it was abandoned at 31.26m due to poor drilling conditions. 115.4m of overburden was drilled and logged, but only 100.4m of overburden was sampled and assayed.

Thirty overburden samples were sent to ALS Chemex Laboratories in Whitehorse for analysis. The analytical process for gold and silver involved sample preparation by procedure Prep-31A, which involved logging the sample into the tracking system, weighing, drying and crushing the entire sample to better than 70% less than 2mm. A 250 gram split of the crushed material was then collected by riffle splitter and it was pulverized to better than 85% passing 75 microns. The resultant pulp was then sent for analysis. A full ICP suite was run on these pulps using a four acid digestion with ICP-AES finish. Gold analyses were run on the pulps using a 30 gram sub-sample with fire assay and atomic absorption spectroscopy (AAS) finish to a 0.001 ppm detection limit according to procedure Au-AA23. Ore grade analyses were run using four acid digestion and either AES or AAS finish via method OG62.

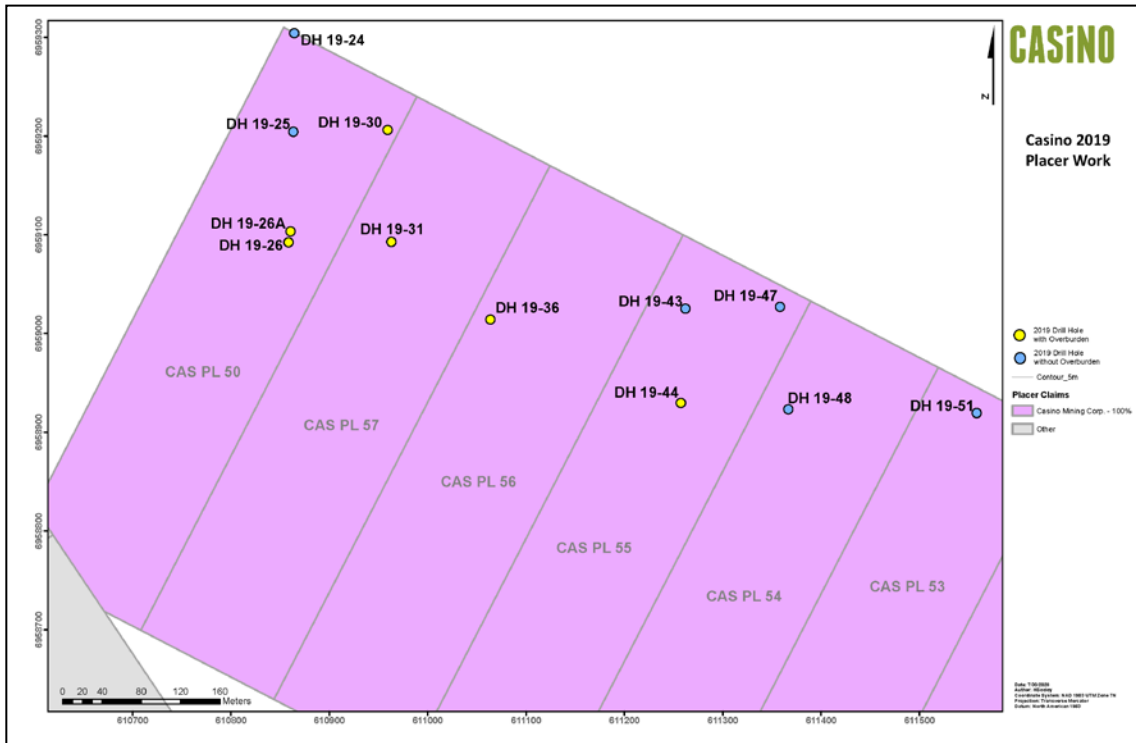


Figure 3a: Placer claims with 2019 overburden drilling

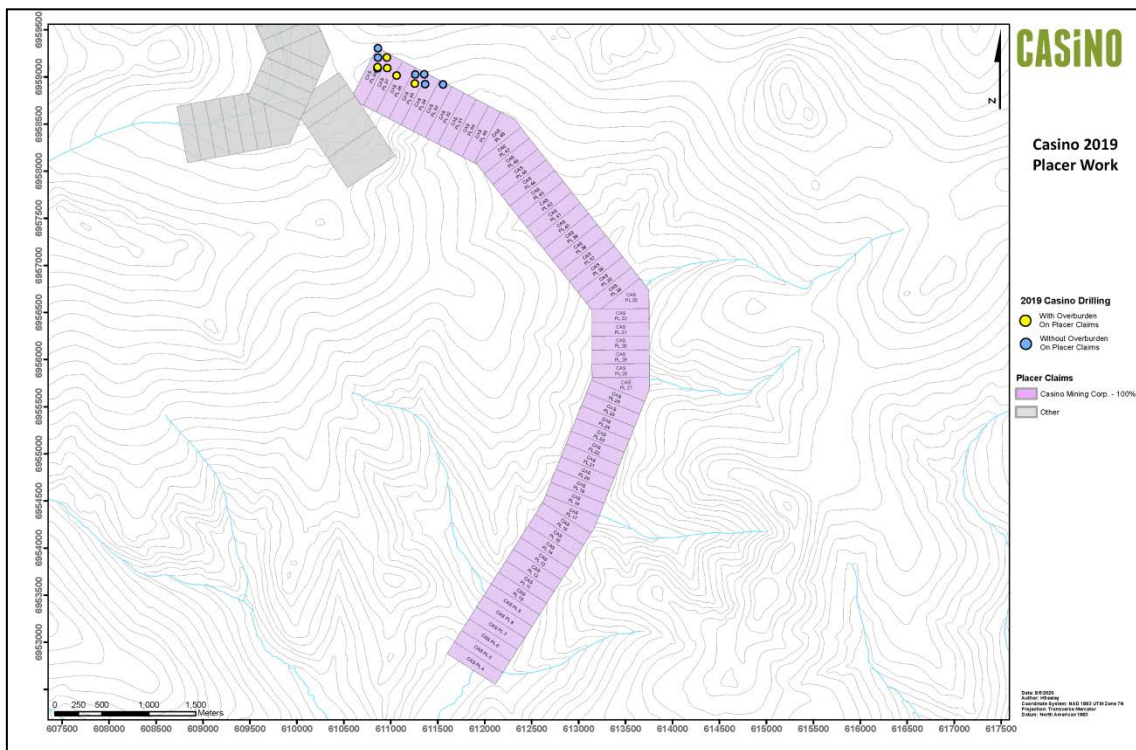


Figure 3b: All Casino Mining Placer Claims

8.0 CONCLUSIONS and RECOMMENDATIONS

In 2013 the sonic and diamond drill holes in the upper reaches of Casino Creek intersected thin overburden with abundant large boulders. The samples collected from these holes failed to return significant concentrations of gold. The test pit in the same year also demonstrated that significant thickness of placer gravels exist in the lower reaches of the creek. The pit was dug to the limit of the excavator at 5.0 m in gravel. The base of the gravels at this location has not yet been determined. In 2019, several of the overburden assays showed good gold values: A0614393 in DH 19-26A had 0.483ppm Au and A0617565 in DH 19-31 had 0.177ppm Au, indicating the potential for surficial gold in the areas of these drill holes.

Using sonic or even reverse circulation drilling would be a more economic method of testing the potential of the placer claims owned by Casino Mining. Test pitting would also be ideal as this has proved successful in the past when permafrost did not prevent the pit from reaching the bedrock surface.

9.0 STATEMENT OF EXPENDITURES

Drilling (Kluane) – 115.4 metres @ \$49.21/m	5,679.00
Analytical Assays – 100.4 metres @ \$25/m	2,510.00
Casino on site supervision (geologist) – 24 hours @ \$90/hr	2,160.00
D6N Caterpillar Time – 72 hours @ \$175/hr	12,600.00
D6N Operator Time – 72 hours @ \$50/hr	3,600.00
Fuel (FOB Casino Camp) – 1360 Litres @ \$2.50/L	3,400.00
Camp Cost - 25 man days @ \$175/day	<u>4,375.00</u>
Total	<u>\$ 34,324</u>

10.0 REFERENCES

Casselman, S.C., 2013. 2013 Assessment Report for the Casino Creek Placer Claims.
Yukon Government Assessment Report.

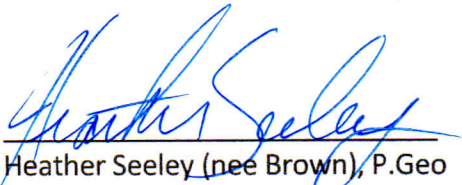
Casselman, S.C., 2012. Casino, 2012 Assessment Report for the Casino Property.
Yukon Government Assessment Report.

Dunn, W., 2012. 2012 Assessment Report for the Casino Property Placer Claims.
Yukon Government Assessment Report.

APPENDIX I
STATEMENT OF QUALIFICATIONS

I, Heather Seeley, P.Ge., certify that:

- 1) I reside at 521 Duncan Avenue East, Penticton, BC, V2A 2W6.
- 2) I am a geologist employed by Wolfbear Geological Consulting of Penticton, BC.
- 3) I graduated from the University of British Columbia with a Bachelor of Science Degree in Geology in 2005 and have worked as a geologist since that time.
- 4) I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia, License No. 34222
- 5) I am responsible for the preparation of this report.


Heather Seeley (nee Brown), P.Ge.
August 5, 2020



APPENDIX II

Drill Logs

Project: CASINO

Hole: DH 19-26

Prospect:		Survey Type:	TSGPS	Logged By:	A.Sadursky	Hole Type:	DD
UTM Grid	NAD83_Z7	Survey By:	CAP Engineering	Date Started:		Hole Diameter:	
UTM East:	610858.69	Azimuth:	0	Date Completed:		Core Size:	NTW
UTM North:	6959092.321	Dip:	-90	Drill Company:	Kluane	Casing Pulled?:	<input type="checkbox"/>
UTM Elevation (m)	1240.65	Length (m):	31.26	Drill Rig:		Casing Depth (m)	
Local Grid:	Unknown			Drill Started:			
Local East:				Drill Completed:			
Local North:		Comments:	Final Survey Coordinates by CAP Engineering				
Topo Elevation (m)							

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus									
0.00																			
3.00	OVB																		
6.00																			
9.00																			
12.00																			
15.00	WRGD																		
18.00																			
21.00																			
24.00																			
27.00																			
30.00																			

Hole: DH 19-26

Depth (m)	Rock Type	ARG Alt	PHY Alt	POT Alt	PRO Alt	cpy Min	PY Min	mal Min	lim Min	Mag Sus	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		0	70	70	70	100	100	100	100	100									

End of Hole @ 31.26

Project: CASINO

Hole: DH 19-26A

Prospect:		Survey Type:	TSGPS	Logged By:	K.Baker	Hole Type:	DD
UTM Grid	NAD83_Z7	Survey By:	CAP Engineering	Date Started:	8/18/2019	Hole Diameter:	
UTM East:	610860.691	Azimuth:	0	Date Completed	8/20/2019	Core Size:	NTW
UTM North:	6959103.418	Dip:	-90	Drill Company:	Kluane	Casing Pulled?:	<input type="checkbox"/>
UTM Elevation (m)	1241.233	Length (m):	225.55	Drill Rig:		Casing Depth (m)	
Local Grid:	Unknown			Drill Started:			
Local East:				Drill Completed			
Local North:		Comments:	Final Survey Coordinates by CAP Engineering				
Topo Elevation (m)							

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	DeviShot		8/4/2019	-88.91	100.54	19.1	119.64	56830	<input checked="" type="checkbox"/>	
75	DeviShot		8/4/2019	-88.97	94.56	19.1	113.66	56976	<input checked="" type="checkbox"/>	
100	DeviShot		8/4/2019	-88.37	240.81	19.1	259.91	64951	<input checked="" type="checkbox"/>	suspicious mag vector value
125	DeviShot		8/4/2019	-88.23	241.31	19.1	260.41	64590	<input checked="" type="checkbox"/>	suspicious mag vector value
150	DeviShot		8/4/2019	-87.97	241.67	19.1	260.77	65460	<input checked="" type="checkbox"/>	
175	DeviShot		8/4/2019	-87.84	237.84	19.1	256.94	66364	<input checked="" type="checkbox"/>	suspicious mag vector value
200	DeviShot		8/4/2019	-87.35	219.74	19.1	238.84	68557	<input checked="" type="checkbox"/>	suspicious mag vector value
225	DeviShot		8/4/2019	-87.2	219.91	19.1	239.01	68825	<input checked="" type="checkbox"/>	suspicious mag vector value

Hole: DH 19-26A

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct	
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus										
0.00	OVB	0	7	0	7	0	7	0	7	0										
3.00											1.20	4.57	3.37	A0614389	0.03	0.6	0.0073	2	0.0021	
6.00											4.57	7.62	3.05	A0614390	0.01	0.25	0.0071	2	0.0021	
9.00											7.62	10.67	3.05	A0614391	0.099	1.4	0.143	43	0.0092	
12.00	WRGD										10.67	13.72	3.05	A0614393	0.483	10	0.189	198	0.0892	
15.00											13.72	16.76	3.04	A0614394	0.254	6.5	0.16	64	0.0617	
18.00											16.76	19.81	3.05	A0614396	0.205	1.8	0.152	30	0.0052	
21.00											19.81	22.86	3.05	A0614397	0.131	0.9	0.0834	10	0.0014	
24.00											22.86	25.91	3.05	A0614398	0.156	1.2	0.0602	11	0.002	
27.00											25.91	28.96	3.05	A0614399	0.126	0.7	0.0792	17	0.002	
30.00																				
33.00											28.96	32.00	3.04	A0614400	0.095	0.5	0.0705	29	0.002	
36.00											32.00	35.05	3.05	A0614401	0.131	0.6	0.108	78	0.0015	
39.00											35.05	38.10	3.05	A0614402	0.184	3.2	0.163	90	0.0042	
42.00											38.10	41.15	3.05	A0614403	0.16	0.8	0.142	109	0.0036	
45.00											41.15	44.20	3.05	A0614404	0.149	0.8	0.135	114	0.0018	
48.00											44.20	47.24	3.04	A0614406	0.122	0.25	0.0826	92	0.0016	
											47.24	50.29	3.05	A0614407	0.101	1	0.0865	89	0.003	

Hole: DH 19-26A

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus									
		0	70	70	70	100	100	100	100	100									
51.00											50.29	53.34	3.05	A0614408	0.136	0.8	0.117	112	0.0026
54.00											53.34	56.39	3.05	A0614409	0.18	8.5	0.0898	95	0.0202
57.00																			
60.00											56.39	59.44	3.05	A0614411	0.161	1.8	0.117	67	0.0048
63.00											59.44	62.50	3.06	A0614412	0.315	1.2	0.229	95	0.0047
66.00											62.50	65.50	3.00	A0614413	0.239	1.1	0.202	120	0.0062
69.00	WRDR										65.50	68.50	3.00	A0614414	0.084	0.7	0.0785	490	0.0024
72.00											68.50	70.62	2.12	A0614416	0.08	0.6	0.0762	390	0.0022
75.00											70.62	73.15	2.53	A0614417	0.194	0.8	0.118	96	0.0017
78.00											73.15	76.20	3.05	A0614418	0.134	0.7	0.0977	590	0.0014
81.00	YM										76.20	79.20	3.00	A0614419	0.288	1.2	0.24	130	0.0015
84.00											79.20	82.20	3.00	A0614420	0.186	1.1	0.131	230	0.0006
87.00											82.20	85.30	3.10	A0614421	0.367	1.8	0.199	174	0.0016
90.00											85.30	88.39	3.09	A0614422	0.232	1.3	0.177	280	0.001
93.00											88.39	91.44	3.05	A0614423	0.122	0.7	0.0907	117	0.0006
96.00											91.44	94.49	3.05	A0614424	0.162	0.6	0.108	120	0.0008
											94.49	97.54	3.05	A0614426	0.092	0.6	0.0682	113	0.0009

Hole: DH 19-26A

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus									
		0	70	70	70	100	100	100	100	100									
99.00											97.54	100.58	3.04	A0614427	0.114	1.1	0.0974	75	0.0008
102.00											100.58	103.63	3.05	A0614428	0.119	0.7	0.0962	42	0.0008
105.00											103.63	106.68	3.05	A0614429	0.1	0.7	0.0732	155	0.0008
108.00											106.68	109.73	3.05	A0614431	0.155	0.8	0.0641	233	0.0007
111.00											109.73	112.31	2.58	A0614432	0.074	0.25	0.0605	164	0.0009
114.00											112.31	115.58	3.27	A0614433	0.139	0.9	0.11	139	0.0006
117.00																			
120.00	WRDR										115.58	118.50	2.92	A0614434	0.06	0.25	0.0567	130	0.0004
123.00											118.50	121.50	3.00	A0614436	0.09	0.5	0.0714	112	0.0009
126.00											121.50	124.50	3.00	A0614437	0.14	0.9	0.0972	113	0.0008
129.00											124.50	127.50	3.00	A0614438	0.097	0.9	0.0721	44	0.0009
132.00											127.50	130.50	3.00	A0614439	0.178	2.8	0.113	112	0.0022
135.00											130.50	133.50	3.00	A0614440	0.186	1.2	0.133	92	0.0009
138.00											133.50	136.50	3.00	A0614441	0.209	1	0.086	148	0.0008
141.00											136.50	139.50	3.00	A0614442	0.121	0.25	0.074	149	0.0008
144.00											139.50	142.50	3.00	A0614443	0.135	1.1	0.0771	100	0.0015
											142.50	145.50	3.00	A0614444	0.065	0.25	0.0495	58	0.0011

Hole: DH 19-26A

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus									
		0	7 0	7 0	7 0	7 0	10 0	10 0	10 0	10 0									
147.00	YM										145.50	147.55	2.05	A0614446	0.133	1	0.0765	128	0.0013
											147.55	149.50	1.95	A0614447	0.146	0.25	0.107	158	0.0008
											149.50	151.49	1.99	A0614448	0.136	0.6	0.12	236	0.0012
150.00																			
											151.49	153.50	2.01	A0614449	0.068	0.25	0.0533	176	0.0011
153.00																			
											153.50	155.50	2.00	A0614451	0.041	0.25	0.0412	159	0.0013
											155.50	157.50	2.00	A0614452	0.046	0.25	0.0329	280	0.0012
156.00	WRDR																		
159.00	WRGD																		
											157.50	159.50	2.00	A0614453	0.165	0.6	0.13	460	0.0015
											159.50	161.54	2.04	A0614454	0.322	0.9	0.169	111	0.0016
162.00											161.54	163.85	2.31	A0614456	0.073	0.25	0.0584	197	0.0019
											163.85	165.85	2.00	A0614457	0.089	0.25	0.0626	390	0.0021
165.00																			
											165.85	167.85	2.00	A0614458	0.083	0.25	0.0632	360	0.0017
											167.85	169.85	2.00	A0614459	0.116	0.9	0.0826	330	0.0023
168.00																			
											169.85	171.85	2.00	A0614460	0.099	0.9	0.0768	610	0.002
171.00																			
											171.85	173.85	2.00	A0614461	0.091	0.6	0.0541	360	0.0018
											173.85	175.85	2.00	A0614462	0.054	0.25	0.0376	85	0.0017
174.00																			
											175.85	177.70	1.85	A0614463	0.114	0.7	0.0858	147	0.0082
177.00																			
											177.70	179.40	1.70	A0614464	0.191	1.6	0.161	330	0.0023
											179.40	181.35	1.95	A0614466	0.12	0.8	0.0936	159	0.0022
180.00	YM																		
											181.35	183.35	2.00	A0614467	0.123	0.9	0.0987	142	0.002
183.00	WRGD																		

Project: CASINO

Hole: DH 19-30

Prospect:		Survey Type:	TSGPS	Logged By:	A.Sadursky	Hole Type:	DD
UTM Grid	NAD83_Z7	Survey By:	CAP Engineering	Date Started:		Hole Diameter:	
UTM East:	610959.506	Azimuth:	0	Date Completed:		Core Size:	NTW
UTM North:	6959206.095	Dip:	-90	Drill Company:	Kluane	Casing Pulled?:	<input type="checkbox"/>
UTM Elevation (m)	1253.668	Length (m):	249.94	Drill Rig:		Casing Depth (m)	
Local Grid:		Comments:	Final Survey Coordinates by CAP Engineering				
Local East:				Drill Started:			
Local North:				Drill Completed:			
Topo Elevation (m)							

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	DeviShot		6/27/2019	-89.18	94.7	19.1	113.8	56720	<input checked="" type="checkbox"/>	
100	DeviShot		6/27/2019	-89.66	99.03	19.1	118.13	56937	<input checked="" type="checkbox"/>	
150	DeviShot		6/27/2019	-89.68	121.64	19.1	140.74	56340	<input checked="" type="checkbox"/>	
200	DeviShot		6/27/2019	-89.59	159.46	19.1	178.56	55022	<input checked="" type="checkbox"/>	
249.94	DeviShot		6/27/2019	-89.45	156.74	19.1	175.84	56580	<input checked="" type="checkbox"/>	

Depth (m)	Rock Type	ARG Alt	PHY Alt	POT Alt	PRO Alt	cpy Min	PY Min	mal Min	lim Min	Mag Sus	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
0.00		0	70	70	70	70	100	100	100	100									
3.00	OVB										3.05	6.00	2.95	A0613136	0.013	0.5	0.0189	2	0.0014
6.00											6.00	9.00	3.00	A0613137	0.067	5.5	0.019	1	0.0066
9.00											9.00	12.00	3.00	A0613138	0.018	0.25	0.0187	1	0.0024

Hole: DH 19-30

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus									
12.00											12.00	15.00	3.00	A0613139	0.047	0.25	0.0326	3	0.0013
15.00											15.00	18.00	3.00	A0613140	0.032	0.25	0.0287	4	0.001
18.00	WRGD										18.00	21.00	3.00	A0613141	0.029	0.25	0.0427	13	0.0012
21.00											21.00	24.00	3.00	A0613143	0.022	0.25	0.0314	1	0.0034
24.00											24.00	27.00	3.00	A0613144	0.019	0.25	0.0259	1	0.0013
27.00																			
											27.00	28.96	1.96	A0613145	0.039	0.25	0.0352	3	0.0012
30.00											28.96	31.00	2.04	A0613146	0.05	0.25	0.0544	3	0.0018
											31.00	33.00	2.00	A0613147	0.058	2.5	0.06	9	0.044
33.00											33.00	35.00	2.00	A0613148	0.029	0.25	0.0431	4	0.0021
											35.00	37.00	2.00	A0613149	0.023	0.25	0.0167	3	0.0015
36.00																			
39.00																			
											37.00	40.00	3.00	A0613150	0.04	0.25	0.04	2	0.0006
42.00											40.00	43.00	3.00	A0613151	0.078	0.6	0.0493	5	0.0014
											43.00	46.00	3.00	A0613153	0.033	0.25	0.0327	2	0.0014
45.00																			
											46.00	48.00	2.00	A0613154	0.044	0.25	0.0308	1	0.0015
48.00											48.00	50.00	2.00	A0613156	0.082	0.25	0.0693	7	0.0011
											50.00	52.00	2.00	A0613157	0.03	0.25	0.0359	9	0.0007
51.00																			
											52.00	54.00	2.00	A0613158	0.047	0.25	0.0451	5	0.001
54.00																			
											54.00	56.00	2.00	A0613159	0.075	0.7	0.0578	6	0.0025
57.00											56.00	58.00	2.00	A0613160	0.114	0.25	0.0715	12	0.0005
											58.00	60.00	2.00	A0613161	0.17	2.1	0.147	3	0.0035
60.00											60.00	62.00	2.00	A0613163	0.041	0.25	0.0406	3	0.0035
											62.00	65.00	3.00	A0613164	0.043	0.5	0.0342	1	0.0012
63.00																			
											65.00	68.00	3.00	A0613165	0.066	1	0.0481	2	0.003
66.00																			

Hole: DH 19-30

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus									
		0	70	70	70	100	100	100	100	100									
69.00											68.00	71.00	3.00	A0613166	0.068	0.6	0.0609	3	0.0009
72.00											71.00	74.00	3.00	A0613167	0.09	0.7	0.0584	7	0.0022
75.00											74.00	77.00	3.00	A0613168	0.079	0.6	0.0512	15	0.0008
78.00											77.00	80.00	3.00	A0613169	0.052	0.9	0.0391	10	0.0022
81.00											80.00	83.00	3.00	A0613170	0.105	0.7	0.0708	11	0.0013
84.00											83.00	86.00	3.00	A0613172	0.065	0.8	0.0484	7	0.003
87.00											86.00	89.00	3.00	A0613173	0.06	0.25	0.0513	5	0.0009
90.00											89.00	92.00	3.00	A0613174	0.073	0.25	0.0665	20	0.0008
93.00											92.00	94.00	2.00	A0613176	0.101	0.25	0.0658	6	0.0013
96.00	IX										94.00	95.75	1.75	A0613177	0.099	0.5	0.0828	7	0.0023
											95.75	96.91	1.16	A0613178	0.047	0.25	0.0493	14	0.0007
99.00	WRGD										96.91	98.00	1.09	A0613179	0.166	1.7	0.0999	31	0.0041
											98.00	99.06	1.06	A0613180	0.208	1	0.146	29	0.0016
102.00											99.06	101.06	2.00	A0613181	0.147	0.8	0.0921	18	0.0016
105.00											101.06	104.00	2.94	A0613183	0.084	0.7	0.0644	17	0.0027
											104.00	107.00	3.00	A0613184	0.13	1	0.088	22	0.0015
108.00											107.00	110.00	3.00	A0613185	0.103	1.5	0.0615	16	0.0038
											110.00	113.00	3.00	A0613186	0.128	1.1	0.0754	22	0.0018

Hole: DH 19-30

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct	
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus										
		0	7	0	7	0	7	0	7	0	10	0	10	0	10	0	10	0	100	
111.00	[Redacted]										113.00	116.00	3.00	A0613187	0.138	1	0.0585	26	0.0021	
114.00											116.00	119.00	3.00	A0613188	0.077	1.2	0.0486	14	0.006	
117.00												119.00	122.00	3.00	A0613189	0.054	0.25	0.0484	29	0.0005
120.00																				
123.00												122.00	124.97	2.97	A0613191	0.096	0.25	0.054	22	0.001
126.00												124.97	128.02	3.05	A0613192	0.053	0.25	0.0428	19	0.0014
129.00												128.02	131.06	3.04	A0613193	0.029	0.25	0.034	41	0.0013
132.00												131.06	134.11	3.05	A0613194	0.044	0.5	0.0475	32	0.003
135.00												134.11	137.16	3.05	A0613196	0.122	5.7	0.122	101	0.0083
138.00												137.16	140.00	2.84	A0613197	0.087	1.5	0.0862	25	0.0011
141.00												140.00	143.00	3.00	A0613198	0.242	0.9	0.119	26	0.0012
144.00												143.00	146.00	3.00	A0613199	0.092	1	0.0925	26	0.0011
147.00												146.00	149.00	3.00	A0613200	0.115	0.8	0.098	15	0.0022
150.00																				
153.00												149.00	152.00	3.00	A0613201	0.082	0.5	0.0778	33	0.0007
												152.00	155.00	3.00	A0613203	0.072	0.25	0.0675	26	0.001
												155.00	156.97	1.97	A0613204	0.094	1	0.0632	28	0.0028
156.00												156.97	159.00	2.03	A0613205	0.102	3.1	0.0938	23	0.0097

Hole: DH 19-30

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus									
		0	7	0	7	0	7	0	7	0	10	0	10	0	10	0	10	0	100
159.00											159.00	162.00	3.00	A0613206	0.13	0.9	0.0951	38	0.0017
162.00											162.00	165.00	3.00	A0613207	0.104	0.5	0.0771	21	0.0009
165.00											165.00	168.00	3.00	A0613208	0.236	0.7	0.147	20	0.001
168.00											168.00	171.00	3.00	A0613209	0.124	0.5	0.107	20	0.0008
171.00											171.00	174.00	3.00	A0613211	0.1	0.9	0.106	20	0.0009
174.00											174.00	177.00	3.00	A0613212	0.068	0.5	0.083	43	0.0009
177.00											177.00	180.00	3.00	A0613213	0.066	0.7	0.0655	17	0.0008
180.00											180.00	183.00	3.00	A0613214	0.074	0.6	0.0683	16	0.0006
183.00											183.00	186.00	3.00	A0613216	0.076	0.5	0.0714	18	0.0011
186.00																			
											186.00	188.98	2.98	A0613217	0.109	0.9	0.0942	25	0.0018
189.00																			
192.00																			
											188.98	192.02	3.04	A0613218	0.11	0.9	0.0839	26	0.0021
195.00											192.02	195.07	3.05	A0613219	0.063	0.25	0.0503	6	0.0013
											195.07	198.00	2.93	A0613220	0.123	0.6	0.101	20	0.0009
198.00											198.00	201.00	3.00	A0613222	0.087	0.5	0.087	12	0.0012
201.00											201.00	204.00	3.00	A0613223	0.192	0.9	0.139	31	0.0011
204.00																			
											204.00	206.04	2.04	A0613224	0.177	0.8	0.155	31	0.0008
207.00																			
											206.04	208.66	2.62	A0613225	0.14	1.4	0.128	34	0.002
											208.66	209.66	1.00	A0613226	0.123	0.7	0.113	21	0.0012
210.00											209.66	212.00	2.34	A0613227	0.174	3.6	0.119	21	0.0016
											212.00	215.00	3.00	A0613228	0.265	2.7	0.186	22	0.0163
213.00																			
											215.00	218.00	3.00	A0613229	0.16	0.7	0.119	16	0.0009
216.00																			
											218.00	220.98	2.98	A0613231	0.172	2.2	0.126	27	0.0034
219.00																			
											220.98	224.03	3.05	A0613232	0.15	0.9	0.114	18	0.0008
222.00																			

Hole: DH 19-30

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus									
		0	7	0	7	0	7	0	10	0	10	0	10	0	10	0	100		
225.00											224.03	227.08	3.05	A0613233	0.159	0.7	0.0961	80	0.0008
228.00											227.08	230.12	3.04	A0613234	0.115	0.5	0.0917	30	0.0011
231.00											230.12	233.17	3.05	A0613236	0.164	2.5	0.134	22	0.0038
234.00											233.17	236.22	3.05	A0613237	0.077	0.25	0.0658	20	0.001
237.00											236.22	239.27	3.05	A0613238	0.084	0.7	0.0688	11	0.0026
240.00											239.27	242.32	3.05	A0613239	0.165	1.1	0.108	58	0.0024
243.00											242.32	245.00	2.68	A0613240	0.156	2.2	0.115	15	0.0027
246.00											245.00	248.00	3.00	A0613242	0.089	0.25	0.0634	11	0.001
249.00											248.00	249.94	1.94	A0613243	0.079	0.25	0.0632	46	0.0015

End of Hole @ 249.94

Project: CASINO

Hole: DH 19-31

Prospect:		Survey Type:	TSGPS	Logged By:	A.Sadursky	Hole Type:	DD
UTM Grid	NAD83_Z7	Survey By:	CAP Engineering	Date Started:		Hole Diameter:	
UTM East:	610963.243	Azimuth:	0	Date Completed:		Core Size:	NTW
UTM North:	6959092.763	Dip:	-90	Drill Company:	Kluane	Casing Pulled?:	<input type="checkbox"/>
UTM Elevation (m)	1235.532	Length (m):	300.23	Drill Rig:		Casing Depth (m)	
Local Grid:		Comments:	Final Survey Coordinates by CAP Engineering				
Local East:				Drill Started:			
Local North:				Drill Completed:			
Topo Elevation (m)							

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	DeviShot		7/28/2019	-88.62	231.41	19.1	250.51	56679	<input checked="" type="checkbox"/>	
100	DeviShot		7/28/2019	-89.24	258.75	19.1	277.85	56396	<input checked="" type="checkbox"/>	
150	DeviShot		7/28/2019	-89.43	237.72	19.1	256.82	56478	<input checked="" type="checkbox"/>	
200	DeviShot		7/28/2019	-89.56	219.3	19.1	238.4	56244	<input checked="" type="checkbox"/>	
250	DeviShot		7/28/2019	-89.21	199.07	19.1	218.17	56530	<input checked="" type="checkbox"/>	
300	DeviShot		7/28/2019	-87.9	169.44	19.1	188.54	57154	<input checked="" type="checkbox"/>	

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus									
0.00																			
3.00	OVB										3.05	6.10	3.05	A0617560	0.031	1.2	0.0074	2	0.003

Hole: DH 19-31

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct	
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus										
		0	70	70	70	70	100	100	100	100										
6.00											6.10	9.14	3.04	A0617561	0.02	1	0.0069	1	0.0022	
9.00											9.14	12.19	3.05	A0617562	0.029	0.9	0.0096	2	0.0027	
12.00											12.19	15.24	3.05	A0617564	0.084	0.7	0.0295	28	0.0022	
15.00											15.24	18.29	3.05	A0617565	0.177	1.3	0.0471	61	0.0019	
18.00	WRGD										18.29	21.00	2.71	A0617566	0.219	1.2	0.0567	58	0.0014	
21.00											21.00	24.00	3.00	A0617567	0.2	7.9	0.0593	43	0.0226	
24.00											24.00	27.00	3.00	A0617569	0.144	2	0.123	48	0.0435	
27.00											27.00	30.00	3.00	A0617570	0.172	0.9	0.129	58	0.0014	
30.00											30.00	33.00	3.00	A0617571	0.182	5	0.168	50	0.0194	
33.00											33.00	35.05	2.05	A0617572	0.143	1.1	0.14	50	0.0016	
36.00											35.05	38.10	3.05	A0617573	0.109	4	0.125	54	0.0311	
39.00											38.10	40.10	2.00	A0617575	0.184	15	0.158	42	0.387	
42.00											40.10	42.98	2.88	A0617576	0.096	1.6	0.077	39	0.0046	
45.00											42.98	46.00	3.02	A0617577	0.104	0.9	0.099	24	0.002	
48.00											46.00	48.00	2.00	A0617578	0.166	7.6	0.102	40	0.175	
51.00											48.00	51.00	3.00	A0617579	0.168	7.1	0.157	81	0.0337	
54.00											51.00	53.00	2.00	A0617580	0.356	18	0.206	68	0.0511	
57.00											53.00	55.00	2.00	A0617581	0.329	7.7	0.133	39	0.112	
60.00											55.00	57.91	2.91	A0617583	0.13	2.5	0.153	34	0.01	
											57.91	60.96	3.05	A0617584	0.256	1.1	0.185	72	0.0022	

Hole: DH 19-31

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct	
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus										
108.00		0	7	0	7	0	7	0	7	0	10	0	10	0	10	0	10	0	100	
											109.73	112.78	3.05	A0617604	0.197	0.8	0.16	145	0.0009	
111.00																				
											112.78	115.82	3.04	A0617606	0.169	0.8	0.157	65	0.001	
114.00																				
											115.82	118.87	3.05	A0617607	0.153	0.8	0.142	91	0.001	
117.00																				
											118.87	121.92	3.05	A0617608	0.109	0.6	0.126	51	0.001	
120.00																				
											121.92	124.97	3.05	A0617609	0.084	0.9	0.135	96	0.0019	
123.00																				
											124.97	128.02	3.05	A0617610	0.112	3.7	0.124	62	0.0153	
126.00																				
											128.02	131.06	3.04	A0617611	0.096	1.9	0.129	139	0.0044	
129.00																				
											131.06	134.11	3.05	A0617612	0.097	2.2	0.095	121	0.0035	
132.00																				
											134.11	137.16	3.05	A0617613	0.126	1.6	0.0841	60	0.0022	
135.00																				
											137.16	140.21	3.05	A0617615	0.145	0.8	0.139	203	0.0018	
138.00																				
											140.21	143.26	3.05	A0617616	0.237	1.3	0.214	179	0.0022	
141.00																				
											143.26	145.25	1.99	A0617618	0.123	1.9	0.155	380	0.0021	
144.00																				
											145.25	147.25	2.00	A0617619	0.454	1.5	0.26	320	0.0022	
147.00																				
											147.25	149.35	2.10	A0617620	0.121	0.6	0.085	72	0.0011	
150.00																				
											149.35	152.40	3.05	A0617621	0.107	0.6	0.102	73	0.0019	
153.00																				
											152.40	154.40	2.00	A0617622	0.088	0.5	0.0904	42	0.0013	

Hole: DH 19-31

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus									
		0	70	70	70	70	100	100	100	100									
156.00											154.40	156.40	2.00	A0617624	0.197	0.8	0.18	104	0.0016
											156.40	158.50	2.10	A0617625	0.144	0.8	0.138	104	0.0008
											158.50	161.54	3.04	A0617626	0.18	1.4	0.218	68	0.0017
159.00											161.54	164.50	2.96	A0617627	0.08	1.5	0.0999	50	0.0011
162.00											164.50	166.50	2.00	A0617629	0.144	0.6	0.151	172	0.0013
165.00											166.50	168.50	2.00	A0617630	0.117	1.7	0.109	52	0.0014
168.00											168.50	170.50	2.00	A0617631	0.144	1.6	0.164	22	0.0016
											170.50	172.50	2.00	A0617632	0.159	1	0.166	138	0.001
171.00																			
174.00											172.50	174.65	2.15	A0617633	0.302	3.5	0.144	118	0.0044
											174.65	177.70	3.05	A0617634	0.167	4.1	0.18	43	0.0053
177.00											177.70	180.75	3.05	A0617635	0.15	1.3	0.0935	35	0.0014
180.00											180.75	183.79	3.04	A0617637	0.139	0.8	0.0865	80	0.0047
183.00											183.79	186.84	3.05	A0617638	0.204	1.8	0.148	46	0.0026
186.00																			
189.00											186.84	189.89	3.05	A0617639	0.123	1.2	0.12	31	0.0023
192.00											189.89	192.94	3.05	A0617640	0.227	1.4	0.22	93	0.0039
											192.94	195.99	3.05	A0617641	0.139	0.6	0.121	27	0.0014
195.00											195.99	199.03	3.04	A0617643	0.22	0.9	0.15	51	0.0019
198.00																			

Hole: DH 19-31

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus									
		0	7 0	7 0	7 0	7 0	10 0	10 0	10 0	10 0									
201.00											199.03	202.08	3.05	A0617644	0.137	0.9	0.122	24	0.002
204.00											202.08	205.00	2.92	A0617645	0.121	0.6	0.0857	32	0.0015
207.00											205.00	207.90	2.90	A0617646	0.204	11	0.231	42	0.0075
210.00											207.90	211.03	3.13	A0617647	0.193	3.5	0.121	66	0.0092
213.00											211.03	214.00	2.97	A0617648	0.246	3.8	0.168	163	0.0063
216.00											214.00	217.00	3.00	A0617650	0.077	0.6	0.0508	110	0.0022
219.00											217.00	220.00	3.00	A0617651	0.073	1	0.0534	26	0.001
222.00											220.00	223.00	3.00	A0617652	0.096	1.8	0.0678	23	0.0183
225.00																			
228.00											223.00	226.00	3.00	A0617653	0.274	0.8	0.0662	49	0.0013
231.00											226.00	229.00	3.00	A0617655	0.123	2.2	0.086	51	0.0133
234.00											229.00	232.00	3.00	A0617656	0.102	1.8	0.0695	340	0.0134
237.00											232.00	235.00	3.00	A0617657	0.084	1	0.0873	91	0.0018
240.00											235.00	238.00	3.00	A0617658	0.062	1.1	0.0503	46	0.0198
243.00	IX										238.00	240.98	2.98	A0617659	0.103	1.9	0.0799	72	0.012
246.00											240.98	243.27	2.29	A0617660	0.104	1.6	0.0612	72	0.0019
											243.27	246.28	3.01	A0617661	0.123	2	0.0422	57	0.0052

Hole: DH 19-31

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best	Ag Best	Cu Best	Mo Best	Pb Best	
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus					ppm	ppm	pct	ppm	pct	
		0	70	70	70	100	100	100	100	100										
294.00											295.66	298.70	3.04	A0617683	0.1	0.6	0.0722	8	0.0009	
297.00																				
300.00											298.70	300.23	1.53	A0617685	0.07	0.25	0.0514	36	0.0008	

End of Hole @ 300.23

Project: CASINO

Hole: DH 19-36

Prospect:		Survey Type:	TSGPS	Logged By:	A.Sadursky	Hole Type:	DD
UTM Grid	NAD83_Z7	Survey By:	CAP Engineering	Date Started:		Hole Diameter:	
UTM East:	611064.067	Azimuth:	0	Date Completed:		Core Size:	NTW
UTM North:	6959014.135	Dip:	-90	Drill Company:	Kluane	Casing Pulled?:	<input type="checkbox"/>
UTM Elevation (m)	1221.602	Length (m):	300.23	Drill Rig:		Casing Depth (m)	
Local Grid:		Comments:	Final Survey Coordinates by CAP Engineering				
Local East:				Drill Started:			
Local North:				Drill Completed:			
Topo Elevation (m)							

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	DeviShot		7/31/2019	-89.97	275.82	19.1	294.92	56635	<input checked="" type="checkbox"/>	
100	DeviShot		7/31/2019	-87.02	276.49	19.1	295.59	56316	<input checked="" type="checkbox"/>	
150	DeviShot		7/31/2019	-87.19	277.23	19.1	296.33	56395	<input checked="" type="checkbox"/>	
200	DeviShot		7/31/2019	-87.16	274.63	19.1	293.73	56578	<input checked="" type="checkbox"/>	
250	DeviShot		7/31/2019	-87.03	274.12	19.1	293.22	56729	<input checked="" type="checkbox"/>	
300	DeviShot		7/31/2019	-86.4	271.02	19.1	290.12	56309	<input checked="" type="checkbox"/>	

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus									
0.00																			
3.00	OVB										1.52	4.57	3.05	A0617746	0.037	0.7	0.0064	2	0.0036

Hole: DH 19-36

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus									
		0	70	70	70	100	100	100	100	100									
6.00											4.57	7.62	3.05	A0617747	0.025	0.8	0.0075	3	0.0043
9.00											7.62	10.67	3.05	A0617748	0.025	0.6	0.019	2	0.0039
12.00											10.67	13.72	3.05	A0617749	0.029	0.6	0.0126	3	0.0037
15.00											13.72	16.76	3.04	A0617750	0.052	0.5	0.0149	4	0.0043
18.00											16.76	19.81	3.05	A0617751	0.031	0.25	0.0142	4	0.0028
21.00											19.81	22.86	3.05	A0617752	0.041	0.5	0.0252	14	0.0027
24.00											22.86	26.00	3.14	A0617753	0.09	0.5	0.0316	32	0.0032
27.00											26.00	28.96	2.96	A0617755	0.059	0.5	0.0449	36	0.0027
30.00											28.96	32.00	3.04	A0617756	0.092	0.8	0.0548	38	0.003
33.00	WRGD										32.00	33.63	1.63	A0617758	0.118	2.2	0.077	57	0.0084
36.00											33.63	36.58	2.95	A0617759	0.135	0.25	0.167	65	0.002
39.00											36.58	38.31	1.73	A0617760	0.146	0.25	0.162	31	0.0015
42.00											38.31	41.00	2.69	A0617761	0.11	0.7	0.108	71	0.0016
45.00											41.00	44.00	3.00	A0617763	0.115	0.25	0.132	89	0.0014
48.00											44.00	47.00	3.00	A0617764	0.194	0.25	0.16	146	0.0018
											47.00	50.00	3.00	A0617765	0.189	0.5	0.156	55	0.0018
											50.00	53.00	3.00	A0617766	0.151	0.25	0.117	36	0.0017

Hole: DH 19-36

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus									
		0	70	70	70	70	100	100	100	100									
51.00																			
54.00											53.00	56.00	3.00	A0617767	0.249	0.8	0.203	50	0.0026
57.00											56.00	59.00	3.00	A0617768	0.181	0.6	0.149	108	0.0016
60.00											59.00	62.00	3.00	A0617770	0.161	0.6	0.118	57	0.0051
63.00											62.00	65.00	3.00	A0617771	0.34	0.25	0.141	135	0.0017
66.00											65.00	68.00	3.00	A0617772	0.209	0.25	0.11	53	0.0021
69.00											68.00	71.02	3.02	A0617774	0.131	0.25	0.116	41	0.0017
72.00																			
75.00											71.02	74.00	2.98	A0617775	0.118	0.7	0.083	27	0.0014
78.00											74.00	77.00	3.00	A0617776	0.157	3.2	0.142	40	0.0067
81.00											77.00	80.00	3.00	A0617777	0.448	8.2	0.176	120	0.0164
84.00											80.00	83.00	3.00	A0617778	0.103	0.5	0.0854	62	0.0014
87.00											83.00	85.34	2.34	A0617779	0.193	0.9	0.17	77	0.0009
90.00											85.34	88.39	3.05	A0617780	0.177	1.6	0.133	62	0.0092
93.00											88.39	91.44	3.05	A0617781	0.31	1.1	0.216	164	0.0011
96.00											91.44	94.50	3.06	A0617782	0.116	0.7	0.0981	58	0.0019
											94.50	97.46	2.96	A0617783	0.123	0.9	0.134	232	0.0022
											97.46	100.50	3.04	A0617785	0.105	0.5	0.0771	201	0.0014

Hole: DH 19-36

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct	
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus										
99.00	[Redacted]	0	7	0	7	0	7	0	10	0	10	0	10	0	100					
100.50											103.00	2.50	A0617786	0.164	0.5	0.0959	173	0.0016		
102.00																				
103.00																				
105.00																				
106.00																				
108.00																				
111.00																				
112.00																				
114.00																				
115.00																				
117.00																				
118.09																				
120.00																				
121.00																				
123.00																				
124.00																				
126.00																				
127.00																				
129.00																				
130.00																				
132.00																				
133.00																				
135.00																				
136.00																				
138.00																				
138.88																				
141.00																				
142.00																				
144.00																				
145.00																				

Hole: DH 19-36

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus									
		0	70	70	70	100	100	100	100	100									
147.00																			
150.00											148.00	150.88	2.88	A0617804	0.198	0.9	0.156	87	0.0059
153.00											150.88	153.92	3.04	A0617806	0.104	0.6	0.0939	103	0.0014
156.00											153.92	156.97	3.05	A0617807	0.112	0.5	0.0851	64	0.0012
159.00											156.97	160.02	3.05	A0617808	0.125	0.9	0.109	64	0.001
162.00											160.02	163.07	3.05	A0617809	0.134	0.9	0.128	62	0.0015
165.00											163.07	166.12	3.05	A0617811	0.069	0.5	0.0707	36	0.0014
168.00											166.12	169.16	3.04	A0617812	0.116	0.9	0.099	67	0.0013
171.00											169.16	172.21	3.05	A0617813	0.061	0.6	0.064	32	0.0027
174.00											172.21	175.26	3.05	A0617814	0.072	0.5	0.0797	65	0.0007
177.00											175.26	178.31	3.05	A0617815	0.059	0.25	0.0614	166	0.001
180.00											178.31	181.36	3.05	A0617817	0.156	0.6	0.109	139	0.0007
183.00											181.36	184.40	3.04	A0617818	0.13	0.9	0.127	124	0.0019
186.00											184.40	187.45	3.05	A0617819	0.136	0.8	0.147	85	0.0027
189.00											187.45	190.50	3.05	A0617820	0.052	0.6	0.0619	84	0.0027
192.00											190.50	193.50	3.00	A0617821	0.051	0.8	0.0778	76	0.0028
											193.50	196.50	3.00	A0617823	0.036	1.4	0.0672	60	0.0038

Hole: DH 19-36

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct	
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus										
195.00	[Redacted]	0	70	70	70	100	100	100	100	100	196.50	199.50	3.00	A0617824	0.041	3.6	0.0578	179	0.0075	
198.00		199.50	202.50	3.00	A0617825	0.051	0.25	0.0763	184	0.003										
201.00																				
204.00		202.50	205.50	3.00	A0617826	0.063	0.8	0.088	124	0.0021										
207.00		205.50	208.50	3.00	A0617827	0.098	0.6	0.111	243	0.0017										
210.00		208.50	211.50	3.00	A0617828	0.132	27	0.118	76	0.251										
213.00		211.50	214.50	3.00	A0617830	0.194	4.3	0.208	110	0.0034										
216.00		214.50	217.50	3.00	A0617831	0.24	1.4	0.226	107	0.0014										
219.00		217.50	220.50	3.00	A0617832	0.194	0.8	0.19	440	0.0013										
222.00		220.50	223.50	3.00	A0617833	0.16	1	0.124	71	0.0012										
225.00		223.50	226.50	3.00	A0617834	0.127	1	0.104	169	0.001										
228.00		226.50	229.50	3.00	A0617836	0.155	0.25	0.112	89	0.0011										
231.00		229.50	232.50	3.00	A0617837	0.147	0.25	0.111	93	0.0015										
234.00		232.50	235.50	3.00	A0617838	0.174	1.7	0.143	77	0.0018										
237.00		235.50	238.50	3.00	A0617839	0.229	1.1	0.164	79	0.0016										
240.00		238.50	241.50	3.00	A0617840	0.147	0.9	0.13	104	0.0015										

Hole: DH 19-36

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best	Ag Best	Cu Best	Mo Best	Pb Best	
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus					ppm	ppm	pct	ppm	pct	
		0	70	70	70	100	100	100	100	100										
291.00											292.50	295.50	3.00	A0617861	0.276	2.1	0.132	42	0.0025	
294.00											295.50	298.41	2.91	A0617862	0.09	2.3	0.112	38	0.0017	
297.00																				
300.00												298.41	300.23	1.82	A0617863	0.055	1.9	0.061	15	0.0499

End of Hole @ 300.23

Project: CASINO

Hole: DH 19-44

Prospect:		Survey Type:	TSGPS	Logged By:	K.Baker	Hole Type:	DD
UTM Grid	NAD83_Z7	Survey By:	CAP Engineering	Date Started:	7/27/2019	Hole Diameter:	
UTM East:	611257.608	Azimuth:	0	Date Completed:	8/1/2019	Core Size:	NTW
UTM North:	6958929.619	Dip:	-90	Drill Company:	Kluane	Casing Pulled?:	<input type="checkbox"/>
UTM Elevation (m)	1210.88	Length (m):	300.23	Drill Rig:		Casing Depth (m)	
Local Grid:		Comments:	Final Survey Coordinates by CAP Engineering				
Local East:				Drill Started:			
Local North:				Drill Completed:			
Topo Elevation (m)							

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	DeviShot		7/16/2019	-89.07	71.44	19.1	90.54	57699	<input checked="" type="checkbox"/>	
100	DeviShot		7/16/2019	-89.37	40.11	19.1	59.21	56440	<input checked="" type="checkbox"/>	
150	DeviShot		7/16/2019	-89.42	136.91	19.1	156.01	56520	<input checked="" type="checkbox"/>	
200	DeviShot		7/16/2019	-89.05	120.57	19.1	139.67	56454	<input checked="" type="checkbox"/>	
250	DeviShot		7/16/2019	-89.17	111.79	19.1	130.89	56738	<input checked="" type="checkbox"/>	
300	DeviShot		7/16/2019	-88.85	82.39	19.1	101.49	56135	<input checked="" type="checkbox"/>	

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus									
0.00																			
3.00	OVB										2.35	4.57	2.22	A0613877	0.055	0.25	0.0207	14	0.0027

Hole: DH 19-44

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct	
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus										
		0	7	0	7	0	7	0	10	0	10	0	10	0	100					
6.00											4.57	7.50	2.93	A0613878	0.051	0.5	0.0248	10	0.0044	
9.00											7.50	10.67	3.17	A0613879	0.139	0.25	0.0793	48	0.0034	
12.00											10.67	13.71	3.04	A0613881	0.083	0.25	0.0784	110	0.0047	
15.00	WRGD										13.71	16.76	3.05	A0613882	0.16	0.25	0.0541	132	0.0065	
18.00											16.76	19.81	3.05	A0613883	0.173	1.7	0.0297	70	0.02	
21.00											19.81	22.86	3.05	A0613886	0.117	0.25	0.0207	26	0.0067	
24.00											22.86	25.90	3.04	A0613887	0.13	0.25	0.017	34	0.0074	
27.00											25.90	28.96	3.06	A0613888	0.121	0.7	0.0574	69	0.0093	
30.00											28.96	31.39	2.43	A0613889	0.124	0.5	0.126	74	0.0069	
33.00											31.39	33.53	2.14	A0613891	0.141	3.3	0.0241	79	0.0095	
36.00											33.53	35.50	1.97	A0613892	0.134	0.25	0.0847	43	0.0037	
39.00											35.50	37.50	2.00	A0613893	0.093	0.25	0.134	48	0.002	
42.00											37.50	39.50	2.00	A0613894	0.143	0.7	0.135	39	0.0018	
45.00											39.50	41.50	2.00	A0613896	0.112	0.7	0.141	100	0.0014	
											41.50	43.50	2.00	A0613897	0.169	0.6	0.198	38	0.0019	
											43.50	45.50	2.00	A0613898	0.116	0.25	0.163	29	0.0014	
											45.50	47.50	2.00	A0613899	0.183	0.6	0.198	33	0.0024	
											47.50	49.50	2.00	A0613900	0.109	0.5	0.113	22	0.0017	

Hole: DH 19-44

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct	
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus										
		0	70	70	70	70	100	100	100	100										
48.00	PP										49.50	51.50	2.00	A0613901	0.143	0.5	0.0904	71	0.0016	
51.00																				
54.00												51.50	53.50	2.00	A0613902	0.119	0.5	0.107	63	0.0019
												53.50	55.50	2.00	A0613903	0.101	0.25	0.0791	123	0.0018
												55.50	57.50	2.00	A0613904	0.149	0.7	0.121	184	0.0021
57.00												57.50	59.44	1.94	A0613905	0.141	0.25	0.0954	46	0.002
												59.44	61.50	2.06	A0613907	0.167	0.6	0.134	126	0.0019
60.00												61.50	63.50	2.00	A0613908	0.14	1	0.119	52	0.0088
63.00												63.50	65.50	2.00	A0613909	0.141	0.6	0.112	50	0.0021
												65.50	67.50	2.00	A0613910	0.131	0.25	0.105	32	0.0019
66.00												67.50	70.50	3.00	A0613912	0.128	0.25	0.0856	23	0.0018
69.00																				
72.00												70.50	73.50	3.00	A0613913	0.155	0.6	0.144	59	0.0018
75.00												73.50	76.50	3.00	A0613914	0.164	0.6	0.116	67	0.002
												76.50	77.50	1.00	A0613915	0.181	0.6	0.116	92	0.0024
												77.50	79.50	2.00	A0613917	0.14	0.5	0.111	148	0.0017
78.00												79.50	82.50	3.00	A0613918	0.164	0.6	0.136	124	0.0019
81.00												82.50	85.50	3.00	A0613919	0.15	0.9	0.123	82	0.0031
84.00												85.50	87.50	2.00	A0613920	0.155	0.8	0.123	54	0.0027
87.00												87.50	88.55	1.05	A0613921	0.214	1.2	0.165	81	0.0041

Hole: DH 19-44

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct	
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus										
		0	7	0	7	0	7	0	10	0	10	0	10	0	100					
90.00	WRGD										88.55	91.44	2.89	A0613922	0.136	0.6	0.0967	78	0.0029	
93.00											91.44	94.49	3.05	A0613923	0.156	0.6	0.107	48	0.0023	
96.00											94.49	97.54	3.05	A0613924	0.153	0.6	0.101	31	0.002	
99.00											97.54	100.58	3.04	A0613925	0.141	0.5	0.0972	61	0.0016	
102.00											100.58	103.63	3.05	A0613927	0.183	1	0.144	162	0.0032	
105.00											103.63	106.68	3.05	A0613928	0.111	4.9	0.115	75	0.0024	
108.00																				
111.00											106.68	109.73	3.05	A0613929	0.128	1.5	0.127	43	0.0041	
114.00											109.73	112.78	3.05	A0613930	0.175	0.9	0.125	73	0.0016	
117.00											112.78	115.82	3.04	A0613932	0.119	0.5	0.0918	37	0.0015	
120.00											115.82	118.87	3.05	A0613933	0.457	1.5	0.291	116	0.0015	
123.00											118.87	121.92	3.05	A0613934	0.223	4.4	0.245	61	0.0196	
126.00											121.92	124.97	3.05	A0613936	0.546	2.2	0.461	54	0.0014	
129.00											124.97	128.02	3.05	A0613937	0.2	1	0.156	290	0.0018	
132.00											128.02	131.06	3.04	A0613938	0.434	1.2	0.226	101	0.0013	
135.00											131.06	134.11	3.05	A0613939	0.165	0.8	0.135	156	0.0024	
											134.11	137.16	3.05	A0613940	0.118	0.7	0.104	95	0.0018	

Hole: DH 19-44

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus									
		0	7	0	7	0	7	0	10	0	10	0	10	0	10	0	10	0	100
138.00											137.16	140.20	3.04	A0613941	0.129	0.7	0.105	57	0.0022
141.00											140.20	143.26	3.06	A0613942	0.168	0.9	0.164	60	0.0014
144.00											143.26	146.30	3.04	A0613943	0.208	1	0.167	63	0.0018
147.00											146.30	149.35	3.05	A0613944	0.174	0.6	0.136	66	0.0014
150.00											149.35	152.40	3.05	A0613946	0.166	1.6	0.174	69	0.0082
153.00											152.40	155.45	3.05	A0613947	0.225	1.7	0.263	94	0.001
156.00											155.45	158.50	3.05	A0613948	0.143	1.1	0.196	56	0.0012
159.00											158.50	160.50	2.00	A0613949	0.313	1.4	0.295	83	0.0011
162.00	QM										160.50	162.55	2.05	A0613951	0.164	0.8	0.165	60	0.0014
165.00	WRDR										162.55	164.75	2.20	A0613952	0.093	0.25	0.0939	39	0.002
168.00											164.75	167.64	2.89	A0613953	0.195	1.2	0.202	70	0.0011
171.00	WRGD										167.64	169.78	2.14	A0613954	0.217	0.8	0.186	46	0.0013
174.00											169.78	172.80	3.02	A0613956	0.139	1.4	0.18	141	0.0038
177.00											172.80	175.80	3.00	A0613957	0.105	1.9	0.122	78	0.0045
180.00											175.80	178.85	3.05	A0613958	0.078	0.7	0.106	74	0.0032
											178.85	181.90	3.05	A0613959	0.105	0.8	0.103	75	0.0028
											181.90	184.90	3.00	A0613960	0.068	0.25	0.0553	79	0.0024

Hole: DH 19-44

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct	
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus										
		0	70	70	70	70	100	100	100	100										
183.00																				
186.00																				
184.90											184.90	187.90	3.00	A0613961	0.073	0.25	0.0807	73	0.0021	
189.00											187.90	190.60	2.70	A0613962	0.081	5.2	0.108	136	0.0018	
190.60											190.60	193.00	2.40	A0613963	0.116	0.5	0.0968	43	0.0023	
192.00																				
193.00											193.00	195.07	2.07	A0613964	0.237	0.8	0.184	57	0.0021	
195.00																				
195.07											195.07	198.12	3.05	A0613966	0.15	0.6	0.099	38	0.0021	
198.00																				
198.12											198.12	201.17	3.05	A0613967	0.171	1.2	0.165	82	0.0018	
201.00																				
201.17											201.17	204.22	3.05	A0613968	0.298	1.4	0.246	65	0.0015	
204.00																				
204.22											204.22	207.27	3.05	A0613969	0.14	1.4	0.157	62	0.0018	
207.00											207.27	210.37	3.10	A0613971	0.125	1.1	0.127	34	0.0018	
210.00																				
210.37											210.37	212.50	2.13	A0613972	0.216	1.2	0.249	131	0.0013	
212.50											212.50	214.40	1.90	A0613973	0.112	0.8	0.113	57	0.0027	
213.00	PP																			
214.40											214.40	215.90	1.50	A0613974	0.075	0.25	0.0349	14	0.0012	
215.90											215.90	217.50	1.60	A0613976	0.155	1.1	0.149	115	0.0028	
216.00	WRGD																			
217.50											217.50	219.46	1.96	A0613977	0.164	1.1	0.146	36	0.004	
219.00																				
219.46											219.46	221.50	2.04	A0613978	0.109	0.9	0.103	51	0.0014	
221.50											221.50	224.50	3.00	A0613979	0.233	0.9	0.207	360	0.001	
224.50											224.50	227.50	3.00	A0613980	0.259	1.8	0.255	94	0.0011	
225.00																				

Hole: DH 19-44

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct	
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus										
		0	70	70	70	70	100	100	100	100										
228.00	WRDR										227.50	230.50	3.00	A0613981	0.246	1.2	0.242	201	0.0007	
231.00											230.50	233.50	3.00	A0613982	0.282	1.6	0.328	135	0.001	
234.00												233.50	236.50	3.00	A0613983	0.424	1.4	0.37	370	0.001
237.00												236.50	239.11	2.61	A0613984	0.226	1.9	0.206	75	0.0086
240.00												239.11	242.00	2.89	A0613986	0.134	1.3	0.138	139	0.0031
243.00												242.00	245.00	3.00	A0613987	0.038	0.25	0.0587	128	0.0028
246.00												245.00	248.00	3.00	A0613988	0.093	0.6	0.134	280	0.0025
249.00												248.00	250.50	2.50	A0613989	0.076	0.25	0.0801	51	0.002
252.00												250.50	252.65	2.15	A0613991	0.056	0.5	0.0752	157	0.0023
255.00												252.65	255.65	3.00	A0613992	0.244	1.2	0.251	87	0.0011
258.00												255.65	257.65	2.00	A0613993	0.126	0.9	0.143	109	0.0017
261.00												257.65	260.60	2.95	A0613994	0.154	0.8	0.126	140	0.0039
264.00												260.60	263.65	3.05	A0613996	0.114	0.7	0.122	146	0.0018
267.00												263.65	266.70	3.05	A0613997	0.192	2	0.163	93	0.0014
270.00												266.70	269.75	3.05	A0613998	0.175	0.9	0.165	138	0.0015
												269.75	272.80	3.05	A0613999	0.19	0.7	0.147	157	0.0008
												272.80	275.84	3.04	A0614000	0.109	0.5	0.118	120	0.0008

Hole: DH 19-44

Depth (m)	Rock Type	ARG	PHY	POT	PRO	cpy	PY	mal	lim	Mag	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best pct	Mo Best ppm	Pb Best pct	
		Alt	Alt	Alt	Alt	Min	Min	Min	Min	Sus										
		0	7 0	7 0	7 0	7 0	10 0	10 0	10 0	10 0										
273.00											275.84	278.89	3.05	A0614001	0.085	0.25	0.0753	470	0.0011	
276.00											278.89	281.94	3.05	A0614002	0.199	1.2	0.227	69	0.0007	
279.00																				
282.00											281.94	284.99	3.05	A0614003	0.19	1.4	0.243	107	0.0006	
285.00											284.99	287.00	2.01	A0614004	0.113	0.6	0.109	45	0.0006	
288.00											287.00	289.00	2.00	A0614006	0.167	1	0.178	115	0.0005	
291.00											289.00	291.00	2.00	A0614007	0.127	0.5	0.0924	320	0.0006	
294.00	PP										291.00	293.00	2.00	A0614008	0.212	1.2	0.198	104	0.0008	
297.00	WRDR										293.00	295.05	2.05	A0614009	0.312	1.2	0.238	37	0.0008	
300.00											295.05	296.70	1.65	A0614011	0.504	16	0.408	238	0.125	
											296.70	298.35	1.65	A0614012	0.232	1.1	0.232	125	0.0005	
											298.35	300.23	1.88	A0614013	0.1	0.25	0.085	82	0.0005	

End of Hole @ 300.23

APPENDIX III

Geochemical Analytical Certificates



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 15TH FLOOR, 1040 WEST GEORGIA ST.
 VANCOUVER BC V6E 4H1

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CERTIFICATE WH19213249

Project: Casino

This report is for 58 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27-AUG-2019.

The following have access to data associated with this certificate:

JACK MCCLINTOCK

HEATHER SEELEY

PAUL WEST-SELLS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
Mo-OG62	Ore Grade Mo - Four Acid	
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver



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To: CASINO MINING CORP C/O WESTERN COPPER
 & GOLD CORP
 15TH FLOOR, 1040 WEST GEORGIA ST.
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CERTIFICATE OF ANALYSIS WH19213249

Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
A0606944		5.61	0.066	0.8	9.37	<5	2640	1.7	<2	4.85	<0.5	5	8	741	1.61	20
A0606945		7.76	0.088	0.6	9.00	<5	2240	1.6	2	4.95	<0.5	5	8	814	1.55	20
A0606946		9.19	0.281	4.7	8.07	140	860	1.5	2	3.49	4.5	12	13	2390	2.86	20
A0606947		6.13	0.246	27.1	7.41	455	810	1.4	6	5.98	6.8	13	20	2960	3.39	20
A0614389		2.57	0.030	0.6	8.62	35	2640	1.4	<2	2.38	<0.5	6	14	73	2.40	20
A0614390		2.49	0.010	<0.5	8.31	22	2920	1.4	<2	2.14	<0.5	6	9	71	2.17	20
A0614391		2.45	0.099	1.4	8.80	27	1770	1.7	<2	1.46	<0.5	13	10	1405	2.82	20
A0614393		6.09	0.483	10.2	8.99	87	1300	1.6	<2	0.59	0.6	5	16	1900	3.26	20
A0614394		11.60	0.254	6.5	9.10	90	1370	1.5	<2	1.01	0.7	7	10	1545	3.60	20
A0614395		0.10	0.408	15.9	7.11	541	740	0.7	14	5.63	0.5	30	30	1860	5.03	10
A0614396		9.32	0.205	1.8	8.88	25	1790	1.9	<2	1.06	<0.5	10	10	1455	2.75	20
A0614397		7.44	0.131	0.9	9.02	8	1530	1.5	3	2.31	<0.5	10	7	834	3.67	20
A0614398		7.69	0.156	1.2	7.54	9	2200	1.6	<2	1.19	0.5	4	14	602	2.05	20
A0614399		7.16	0.126	0.7	7.18	8	1890	1.5	<2	1.50	0.7	9	15	792	2.28	10
A0614400		12.88	0.095	0.5	6.77	8	1960	1.3	<2	1.82	<0.5	7	12	705	1.99	10
A0614401		14.65	0.131	0.6	6.66	16	2130	1.2	2	3.14	<0.5	8	10	1030	1.84	10
A0614402		13.04	0.184	3.2	6.99	31	2190	1.3	<2	2.41	1.1	10	11	1525	1.58	10
A0614403		9.31	0.160	0.8	6.40	15	2070	1.2	<2	2.87	0.5	6	11	1345	1.39	10
A0614404		4.91	0.149	0.8	6.30	22	2190	1.1	<2	3.46	<0.5	6	10	1285	1.52	10
A0614405		0.64	<0.005	<0.5	0.09	<5	50	<0.5	<2	31.9	<0.5	<1	7	9	0.07	<10
A0614406		8.04	0.122	<0.5	6.90	15	1530	1.2	<2	3.05	<0.5	7	9	826	1.89	10
A0614407		5.92	0.101	1.0	6.66	14	1710	1.1	<2	2.23	0.5	6	15	865	1.27	10
A0614408		6.47	0.136	0.8	6.64	16	2160	1.3	<2	3.08	<0.5	7	7	1105	1.42	10
A0614409		4.19	0.180	8.5	7.01	130	610	1.2	3	2.63	3.8	6	7	898	3.26	10
A0614411		7.59	0.161	1.8	7.15	38	1770	1.1	<2	2.95	1.0	11	18	1090	2.60	10
A0614412		10.26	0.315	1.2	8.57	25	2620	1.2	<2	1.52	0.8	12	10	2130	2.62	20
A0614413		8.98	0.239	1.1	8.93	31	1470	1.1	<2	0.80	1.3	15	11	1800	2.55	20
A0614414		8.85	0.084	0.7	6.40	30	2200	0.8	3	0.58	<0.5	2	5	785	0.81	10
A0614415		0.10	0.401	14.5	6.54	512	680	0.7	12	5.35	<0.5	28	28	1755	4.70	10
A0614416		6.78	0.080	0.6	6.10	7	2890	0.8	2	0.68	<0.5	1	3	762	0.77	10
A0614417		7.78	0.194	0.8	8.32	15	1750	1.3	<2	1.55	<0.5	12	3	1145	2.70	20
A0614418		8.80	0.134	0.7	7.53	15	2460	1.2	<2	2.51	<0.5	10	3	977	3.31	20
A0614419		9.13	0.288	1.2	8.15	21	2150	1.1	2	1.72	<0.5	14	6	2330	2.51	20
A0614420		8.51	0.186	1.1	7.52	33	1270	1.3	<2	3.09	<0.5	11	9	1220	3.91	20
A0614421		9.93	0.367	1.8	5.82	15	960	1.1	7	1.74	<0.5	6	46	1875	2.47	10
A0614422		9.59	0.232	1.3	4.40	7	1200	1.0	2	1.58	<0.5	6	43	1715	2.06	10
A0614423		10.24	0.122	0.7	6.23	9	580	1.8	<2	3.83	<0.5	12	67	907	3.80	20
A0614424		9.71	0.162	0.6	6.01	8	1690	1.2	<2	2.47	<0.5	11	53	1015	3.06	10
A0614425		0.45	<0.005	<0.5	0.54	<5	50	<0.5	<2	30.4	<0.5	<1	1	10	0.09	<10
A0614426		10.00	0.092	0.6	6.19	5	1270	1.4	<2	2.15	<0.5	10	67	682	3.17	10



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Sample Description	Method Analyte Units LOD	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01
	A0606944	2.34	10	0.57	145	27	2.62	<1	500	16	0.64	<5	6	630	<20	0.25
A0606945	2.24	10	0.49	139	36	2.68	<1	480	16	0.76	<5	5	633	<20	0.23	
A0606946	2.38	10	0.46	546	62	0.72	4	600	58	2.08	50	10	348	<20	0.24	
A0606947	1.75	10	0.55	1550	34	0.36	5	790	106	2.46	242	18	211	<20	0.35	
A0614389	2.71	20	0.57	296	2	1.94	5	470	21	0.05	<5	8	428	<20	0.24	
A0614390	3.21	10	0.52	368	2	1.98	3	450	21	0.04	6	7	378	20	0.22	
A0614391	2.79	10	0.99	358	43	1.70	5	630	92	0.04	5	16	280	<20	0.31	
A0614393	2.93	20	0.96	192	198	0.65	4	820	892	0.03	57	19	122	<20	0.39	
A0614394	3.10	20	1.09	193	64	1.18	3	830	617	0.10	19	20	222	<20	0.40	
A0614395	1.74	10	1.13	1450	170	1.88	23	650	27	0.36	39	11	440	<20	0.21	
A0614396	2.58	20	1.18	172	30	1.45	3	910	52	0.01	7	16	238	<20	0.33	
A0614397	1.99	20	1.61	194	10	1.90	3	920	14	0.01	<5	15	384	<20	0.42	
A0614398	2.76	20	1.22	140	11	1.80	9	560	20	0.01	<5	13	270	<20	0.24	
A0614399	2.55	20	1.17	204	17	1.68	8	570	20	0.08	<5	12	262	<20	0.25	
A0614400	3.01	20	0.94	176	29	1.57	6	540	20	0.16	<5	11	246	<20	0.23	
A0614401	3.14	20	0.64	278	78	0.96	8	520	15	0.41	<5	11	192	<20	0.23	
A0614402	3.73	20	0.58	219	90	1.35	6	540	42	0.60	24	12	186	<20	0.21	
A0614403	3.42	20	0.54	234	109	1.13	8	500	36	0.57	<5	11	165	<20	0.18	
A0614404	3.13	20	0.54	322	114	0.80	6	540	18	0.51	6	11	176	<20	0.21	
A0614405	0.03	<10	0.96	69	1	0.02	<1	60	<2	<0.01	5	<1	81	<20	0.01	
A0614406	2.72	20	0.73	235	92	1.63	8	520	16	0.45	<5	11	222	<20	0.24	
A0614407	2.76	10	0.45	221	89	1.78	5	420	30	0.50	6	8	223	<20	0.16	
A0614408	3.15	10	0.57	344	112	1.66	5	470	26	0.58	6	8	240	<20	0.18	
A0614409	3.54	20	0.78	1735	95	0.34	8	610	202	2.84	68	12	125	<20	0.26	
A0614411	2.99	20	1.12	583	67	0.64	8	660	48	0.80	7	14	180	<20	0.29	
A0614412	3.02	20	0.77	226	95	0.42	11	1090	47	0.77	11	18	202	<20	0.37	
A0614413	2.52	20	0.45	236	120	0.08	12	1050	62	0.67	19	17	82	<20	0.36	
A0614414	4.40	40	0.25	136	499	0.15	5	310	24	0.35	31	4	111	20	0.09	
A0614415	1.61	10	1.04	1360	163	1.74	24	600	28	0.34	33	10	404	<20	0.20	
A0614416	4.51	50	0.27	119	370	0.19	6	240	22	0.44	13	2	128	20	0.05	
A0614417	3.09	20	1.15	176	96	0.67	7	1260	17	0.52	<5	12	211	<20	0.34	
A0614418	2.46	20	1.44	233	567	1.06	6	1310	14	0.40	5	15	434	<20	0.36	
A0614419	3.20	20	1.07	172	130	0.68	8	1230	15	0.57	5	13	225	<20	0.35	
A0614420	3.00	20	1.38	706	252	0.97	10	980	6	1.87	<5	17	239	<20	0.39	
A0614421	3.34	30	0.68	243	174	0.46	21	490	16	1.47	<5	10	100	20	0.23	
A0614422	2.32	20	1.12	162	262	0.63	21	560	10	0.64	<5	8	99	<20	0.21	
A0614423	1.43	30	2.40	434	117	1.27	40	550	6	0.45	<5	13	175	<20	0.35	
A0614424	2.51	20	1.76	216	120	1.10	30	670	8	0.63	<5	13	185	<20	0.32	
A0614425	0.27	<10	1.46	83	1	0.25	<1	70	<2	<0.01	<5	<1	72	<20	0.01	
A0614426	2.57	20	1.91	227	113	1.16	32	470	9	0.45	<5	16	150	<20	0.32	



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Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Ag-OG62	Cu-OG62	Mo-OG62
		Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Ag ppm 1	Cu % 0.001	Mo % 0.001
A0606944		<10	<10	77	<10	26			
A0606945		<10	<10	74	<10	23			
A0606946		<10	<10	114	20	382		0.241	
A0606947		<10	<10	161	20	392	26	0.291	
A0614389		<10	<10	59	10	46			
A0614390		<10	<10	54	<10	49			
A0614391		<10	<10	125	<10	96		0.143	
A0614393		<10	<10	174	10	208	10	0.189	
A0614394		<10	<10	172	10	167		0.160	
A0614395		<10	<10	91	10	103	15	0.180	
A0614396		<10	<10	134	<10	79		0.152	
A0614397		<10	<10	153	<10	70			
A0614398		<10	<10	96	10	52			
A0614399		<10	<10	95	<10	84			
A0614400		<10	<10	86	<10	47			
A0614401		<10	<10	89	<10	33		0.108	
A0614402		<10	<10	93	10	71		0.163	
A0614403		<10	<10	85	10	50		0.142	
A0614404		<10	<10	86	10	31		0.135	
A0614405		<10	<10	2	<10	3			
A0614406		<10	<10	93	10	27			
A0614407		<10	<10	68	10	48			
A0614408		10	<10	77	<10	47		0.117	
A0614409		<10	<10	97	10	291			
A0614411		<10	<10	111	10	105		0.117	
A0614412		<10	<10	149	40	74		0.229	
A0614413		<10	<10	147	40	134		0.202	
A0614414		<10	<10	32	10	33			0.049
A0614415		<10	<10	84	10	95	14	0.178	
A0614416		<10	<10	17	10	33			0.039
A0614417		<10	<10	114	10	52		0.118	
A0614418		<10	<10	128	10	53			0.059
A0614419		<10	<10	126	20	47		0.240	
A0614420		<10	<10	162	10	53		0.131	0.023
A0614421		<10	<10	83	10	38		0.199	
A0614422		<10	<10	90	<10	39		0.177	0.028
A0614423		<10	<10	88	<10	65			
A0614424		<10	<10	104	<10	42		0.108	
A0614425		<10	<10	2	<10	4			
A0614426		<10	<10	126	20	43			



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
A0614427		9.39	0.114	1.1	5.25	11	850	1.3	4	2.07	<0.5	13	63	974	3.48	10
A0614428		10.35	0.119	0.7	5.93	16	1140	1.4	<2	1.87	<0.5	14	65	962	3.24	20
A0614429		4.37	0.100	0.7	5.78	9	1310	1.2	3	1.69	<0.5	9	53	732	2.84	10
A0614431		9.85	0.155	0.8	5.94	10	970	1.4	3	3.08	<0.5	12	70	641	3.88	20
A0614432		8.38	0.074	<0.5	5.86	6	1170	1.3	<2	1.77	<0.5	9	77	605	2.83	20
A0614433		9.57	0.139	0.9	4.92	9	1460	0.9	<2	1.43	<0.5	10	93	1030	2.29	10
A0614434		10.46	0.060	<0.5	7.62	6	1790	1.4	2	3.28	<0.5	11	4	567	4.05	20
A0614435		0.10	0.400	15.0	6.80	522	700	0.7	9	5.62	0.7	31	30	1840	4.89	10
A0614436		10.35	0.090	0.5	8.00	6	1970	1.4	<2	3.53	<0.5	13	3	714	4.41	20
A0614437		10.59	0.140	0.9	8.00	8	1390	1.3	<2	3.54	<0.5	14	7	972	4.03	20
A0614438		9.78	0.097	0.9	8.16	14	1430	1.4	2	3.33	<0.5	13	4	721	4.94	20
A0614439		10.94	0.178	2.8	8.18	23	1590	1.2	6	3.22	<0.5	16	10	1125	5.41	20
A0614440		8.74	0.186	1.2	8.21	13	1780	1.3	<2	3.16	<0.5	14	6	1270	4.05	20
A0614441		9.83	0.209	1.0	8.13	11	2050	1.4	<2	3.19	<0.5	13	5	860	3.92	20
A0614442		10.35	0.121	<0.5	7.85	8	1860	1.5	<2	3.09	<0.5	12	3	740	3.66	10
A0614443		9.97	0.135	1.1	8.26	10	2330	1.5	2	2.64	<0.5	11	3	771	3.78	20
A0614444		9.91	0.065	<0.5	8.22	8	2590	1.5	<2	2.83	<0.5	7	5	495	3.37	20
A0614445		0.58	<0.005	0.6	0.48	<5	60	<0.5	<2	30.7	<0.5	<1	1	13	0.12	<10



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Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %
A0614427		2.19	20	1.82	236	75	0.57	32	830	8	1.15	<5	11	101	<20	0.47
A0614428		2.64	30	1.62	181	42	0.82	34	580	8	1.51	<5	11	119	<20	0.31
A0614429		2.58	30	1.62	181	155	0.70	30	440	8	0.69	<5	9	121	20	0.32
A0614431		2.00	30	1.99	353	233	0.79	37	600	7	0.90	<5	13	142	<20	0.39
A0614432		2.69	30	1.82	219	164	1.02	31	550	9	0.25	<5	13	126	<20	0.34
A0614433		2.41	30	1.57	179	139	1.08	37	590	6	0.46	<5	9	215	<20	0.24
A0614434		2.35	20	1.70	237	130	1.70	7	1420	4	0.58	<5	14	423	<20	0.41
A0614435		1.66	10	1.10	1370	163	1.82	24	630	30	0.36	39	10	426	<20	0.21
A0614436		2.25	10	1.80	291	112	1.93	4	1480	9	0.30	<5	15	477	<20	0.45
A0614437		2.38	10	2.00	285	113	1.95	5	1190	8	0.59	<5	18	454	<20	0.46
A0614438		2.23	10	1.81	258	44	2.18	3	1390	9	0.38	<5	16	509	<20	0.46
A0614439		2.20	20	1.82	307	112	1.61	7	1290	22	1.72	<5	19	421	<20	0.46
A0614440		2.30	10	1.75	280	92	1.99	5	1370	9	0.40	<5	17	484	<20	0.45
A0614441		2.52	10	1.70	266	148	1.88	2	1320	8	0.35	<5	16	445	<20	0.43
A0614442		2.67	20	1.61	196	149	1.95	7	1340	8	0.21	<5	14	406	<20	0.39
A0614443		2.97	20	1.42	281	100	1.87	4	1370	15	0.93	<5	13	418	<20	0.38
A0614444		2.65	20	1.21	187	58	2.32	3	1450	11	0.21	<5	10	534	<20	0.33
A0614445		0.19	<10	1.40	99	2	0.21	<1	80	<2	0.01	<5	<1	81	<20	0.01



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Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Ag-OG62	Cu-OG62	Mo-OG62
		Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Ag ppm 1	Cu % 0.001	Mo % 0.001
A0614427		<10	<10	100	10	49			
A0614428		<10	<10	86	<10	41			
A0614429		<10	<10	79	<10	41			
A0614431		<10	<10	103	10	53			
A0614432		<10	<10	97	10	49			
A0614433		<10	<10	111	<10	35		0.110	
A0614434		<10	<10	152	<10	37			
A0614435		<10	<10	87	10	98	14	0.175	
A0614436		<10	<10	173	<10	45			
A0614437		<10	<10	193	<10	48			
A0614438		<10	<10	180	<10	54			
A0614439		10	<10	177	<10	87		0.113	
A0614440		<10	<10	162	<10	56		0.133	
A0614441		<10	<10	150	<10	46			
A0614442		10	<10	133	<10	34			
A0614443		<10	<10	114	<10	47			
A0614444		<10	<10	84	<10	35			
A0614445		<10	<10	3	<10	3			



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CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU-31

CRU-QC

LOG-21

LOG-23

PUL-31

PUL-QC

SPL-21

WEI-21

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62

Au-AA23

Cu-OG62

ME-ICP61

ME-OG62

Mo-OG62



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CERTIFICATE WH19194470

Project: Casino

This report is for 60 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-AUG-2019.

The following have access to data associated with this certificate:

JACK MCCLINTOCK	HEATHER SEELEY	PAUL WEST-SELLS
-----------------	----------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
A0606246		8.85	0.048	0.6	7.72	<5	210	1.6	5	0.99	<0.5	9	16	237	4.96	20
A0606247		10.77	0.047	0.5	8.03	<5	290	1.6	6	0.90	<0.5	8	17	361	4.89	20
A0606248		7.92	0.027	<0.5	7.84	5	280	1.7	6	0.93	<0.5	10	15	184	4.46	20
A0606249		4.86	0.037	<0.5	8.09	7	310	1.8	5	0.96	0.5	12	18	324	4.29	20
A0606251		2.99	0.045	<0.5	7.84	<5	250	1.6	4	0.57	<0.5	14	16	109	5.11	20
A0613877		2.03	0.055	<0.5	9.15	31	2240	1.3	6	2.52	<0.5	9	20	207	4.45	20
A0613878		5.86	0.051	0.5	9.58	34	2700	1.3	6	1.60	<0.5	4	17	248	3.94	20
A0613879		5.94	0.139	<0.5	9.63	28	2110	1.1	5	0.74	<0.5	2	12	793	9.70	20
A0613881		6.20	0.083	<0.5	9.64	21	2780	1.2	4	0.51	<0.5	4	8	784	8.57	20
A0613882		6.30	0.160	<0.5	10.85	25	3230	1.2	2	0.28	<0.5	2	5	541	4.67	20
A0613883		5.22	0.173	1.7	10.65	37	2650	1.4	12	0.55	<0.5	1	6	297	2.30	20
A0613885		0.55	0.005	<0.5	0.29	<5	80	<0.5	<2	33.1	<0.5	<1	1	13	0.23	<10
A0613886		6.55	0.117	<0.5	10.30	16	2740	1.2	<2	1.53	<0.5	2	5	207	1.33	20
A0613887		8.02	0.130	<0.5	10.20	7	2940	1.3	2	2.15	<0.5	2	6	170	1.63	20
A0613888		6.32	0.121	0.7	9.81	<5	3300	1.3	3	2.43	<0.5	4	7	574	1.67	20
A0613889		2.70	0.124	0.5	9.50	<5	3200	1.4	6	3.01	<0.5	6	5	1250	1.36	20
A0613891		6.49	0.141	3.3	10.15	34	3000	1.4	4	1.43	<0.5	3	6	241	1.86	20
A0613892		6.61	0.134	<0.5	9.56	6	3370	1.4	<2	3.24	<0.5	6	7	847	1.48	20
A0613893		5.32	0.093	<0.5	9.97	8	3080	1.4	<2	3.43	<0.5	9	8	1340	1.84	20
A0613894		5.34	0.143	0.7	9.03	9	2560	1.4	3	2.94	<0.5	8	6	1280	1.46	20
A0613895		0.10	0.415	14.0	6.67	504	680	0.6	14	5.50	<0.5	31	28	1755	4.83	20
A0613896		5.88	0.112	0.7	7.24	12	2250	1.4	<2	4.76	1.8	12	4	1425	1.28	20
A0613897		5.79	0.169	0.6	8.33	9	2420	1.6	<2	3.87	1.7	15	5	1980	1.48	20
A0613898		6.44	0.116	<0.5	7.90	<5	1850	1.5	<2	3.38	1.0	7	5	1520	1.00	20
A0613890		2.90	0.128	0.6	9.03	6	3180	1.3	2	2.77	<0.5	5	5	1035	1.24	20
A0606210		4.48	0.033	0.8	7.76	8	1330	1.5	4	0.30	2.6	13	22	239	3.74	20
A0606230		4.32	0.103	<0.5	7.54	6	1220	1.7	<2	1.54	<0.5	12	22	214	3.10	20
A0613899		5.48	0.183	0.6	8.28	6	2220	1.5	<2	3.17	0.8	8	7	1875	1.18	20
A0613900		5.14	0.109	0.5	8.31	8	2370	1.6	<2	3.73	0.6	12	6	1130	1.44	20
A0613901		6.01	0.143	0.5	8.63	<5	3210	1.4	3	3.97	<0.5	9	8	904	1.68	20
A0613902		5.90	0.119	0.5	9.16	5	3210	1.5	4	3.17	1.1	9	7	1060	1.68	20
A0613903		6.30	0.101	<0.5	8.23	6	3040	1.3	<2	3.75	<0.5	8	7	791	1.73	20
A0613904		6.69	0.149	0.7	8.82	6	3330	1.4	<2	3.55	<0.5	10	8	1210	1.74	20
A0613905		4.52	0.141	<0.5	8.88	12	3340	1.4	2	3.42	<0.5	8	8	954	1.48	20
A0613906		0.49	0.005	<0.5	0.09	<5	30	<0.5	<2	33.5	<0.5	<1	1	5	0.11	<10
A0613907		5.72	0.167	0.6	9.18	10	2810	1.4	2	3.45	<0.5	9	8	1315	1.79	20
A0613908		5.32	0.140	1.0	7.99	7	3030	1.3	<2	4.16	2.0	10	7	1205	1.64	20
A0613909		5.72	0.141	0.6	8.68	12	2870	1.4	2	3.52	<0.5	11	7	1070	1.71	20
A0613910		5.96	0.131	<0.5	8.69	8	2680	1.4	<2	3.93	<0.5	7	8	1005	1.77	20
A0613912		3.91	0.128	<0.5	8.61	7	2350	1.4	2	4.02	<0.5	7	7	856	1.41	20



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Sample Description	Method Analyte Units LOD	ME-ICP61 K %	ME-ICP61 La ppm	ME-ICP61 Mg %	ME-ICP61 Mn ppm	ME-ICP61 Mo ppm	ME-ICP61 Na %	ME-ICP61 Ni ppm	ME-ICP61 P ppm	ME-ICP61 Pb ppm	ME-ICP61 S %	ME-ICP61 Sb ppm	ME-ICP61 Sc ppm	ME-ICP61 Sr ppm	ME-ICP61 Th ppm	ME-ICP61 Ti %
		0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
A0606246		3.25	30	0.70	360	36	0.60	11	690	10	4.58	<5	7	101	<20	0.11
A0606247		3.58	30	0.68	327	33	0.13	10	700	11	4.51	<5	7	41	<20	0.12
A0606248		3.23	30	0.85	313	28	0.65	9	690	23	4.07	5	7	133	<20	0.11
A0606249		3.06	30	0.85	359	42	0.91	12	740	8	3.74	7	7	217	<20	0.12
A0606251		3.12	30	0.70	609	45	0.71	10	690	6	3.89	<5	7	170	<20	0.12
A0613877		2.36	10	0.81	454	14	1.70	9	690	27	0.07	7	12	388	<20	0.28
A0613878		2.80	10	0.59	219	10	1.75	6	550	44	0.05	10	11	352	<20	0.25
A0613879		2.33	10	0.40	83	48	1.23	1	560	34	0.08	10	10	220	<20	0.16
A0613881		2.57	10	0.39	125	110	1.16	2	650	47	0.14	8	9	213	<20	0.15
A0613882		2.90	<10	0.38	91	132	1.10	<1	490	65	0.10	6	10	184	<20	0.13
A0613883		3.38	<10	0.52	100	70	1.01	<1	390	200	0.05	12	13	185	<20	0.23
A0613885		0.06	<10	1.57	115	2	0.04	<1	90	<2	0.01	<5	<1	83	<20	0.01
A0613886		2.53	10	0.45	66	26	1.79	1	220	67	0.03	6	9	347	<20	0.20
A0613887		2.47	10	0.64	97	34	2.24	1	400	74	0.03	<5	11	452	<20	0.21
A0613888		2.51	10	0.68	97	69	2.25	2	440	93	0.17	<5	11	472	<20	0.23
A0613889		2.34	10	0.59	90	74	2.52	1	440	69	0.35	<5	8	546	<20	0.19
A0613891		3.15	10	0.60	81	79	1.75	1	610	95	0.30	6	11	368	<20	0.18
A0613892		2.68	10	0.67	91	43	2.58	2	500	37	0.36	<5	10	573	<20	0.20
A0613893		2.46	10	0.75	113	48	2.61	3	570	20	0.52	<5	10	597	<20	0.23
A0613894		2.31	10	0.69	114	39	2.65	2	540	18	0.50	<5	9	552	<20	0.20
A0613895		1.67	10	1.07	1340	159	1.80	23	630	33	0.35	38	10	427	<20	0.20
A0613896		2.49	10	0.31	278	100	1.91	4	460	14	0.75	5	6	414	<20	0.16
A0613897		2.30	10	0.40	138	38	2.57	2	510	19	0.83	7	7	514	<20	0.16
A0613898		2.44	10	0.46	156	29	2.46	2	440	14	0.39	<5	7	387	<20	0.13
A0613890		2.26	10	0.56	86	84	2.38	1	420	71	0.31	<5	8	540	<20	0.19
A0606210		2.83	30	0.69	531	33	1.17	12	710	13	1.65	5	8	297	<20	0.15
A0606230		2.32	30	0.75	448	19	1.87	12	740	10	1.53	<5	7	581	<20	0.19
A0613899		2.53	10	0.48	132	33	2.55	2	470	24	0.59	6	8	449	<20	0.15
A0613900		2.48	10	0.51	132	22	2.42	3	490	17	0.70	<5	9	494	<20	0.16
A0613901		2.67	10	0.58	124	71	2.41	2	560	16	0.65	<5	9	576	<20	0.22
A0613902		2.78	10	0.70	105	63	2.62	2	590	19	0.62	<5	10	576	<20	0.21
A0613903		2.41	10	0.67	115	123	2.23	2	570	18	0.55	<5	9	540	<20	0.23
A0613904		2.71	10	0.72	161	184	2.48	2	590	21	0.57	5	10	587	<20	0.23
A0613905		2.66	10	0.70	106	46	2.76	2	550	20	0.48	<5	9	646	<20	0.22
A0613906		0.02	<10	1.45	102	<1	0.04	<1	70	2	<0.01	<5	<1	92	<20	0.01
A0613907		2.60	10	0.77	128	126	2.89	2	610	19	0.67	5	10	645	<20	0.23
A0613908		2.39	10	0.62	149	52	2.70	3	550	88	0.46	<5	8	638	<20	0.22
A0613909		2.57	10	0.65	157	50	2.74	2	530	21	0.56	<5	9	605	<20	0.21
A0613910		2.31	10	0.70	136	32	2.73	3	550	19	0.44	6	9	648	<20	0.24
A0613912		2.07	10	0.63	107	23	2.60	1	500	18	0.38	<5	7	617	<20	0.21



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Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Ag-OG62	Cu-OG62
		Tl	U	V	W	Zn	Ag	Cu
		ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 1	% 0.001
A0606246		<10	<10	53	10	69		
A0606247		<10	<10	54	10	46		
A0606248		<10	<10	52	10	48		
A0606249		<10	<10	56	10	63		
A0606251		<10	<10	55	<10	85		
A0613877		<10	<10	87	<10	65		
A0613878		<10	<10	73	<10	57		
A0613879		<10	<10	55	<10	47		
A0613881		<10	<10	54	<10	50		
A0613882		<10	<10	52	<10	47		
A0613883		<10	<10	67	10	70		
A0613885		<10	<10	3	<10	21		
A0613886		<10	<10	58	<10	43		
A0613887		<10	<10	67	<10	45		
A0613888		<10	<10	69	<10	40		
A0613889		<10	<10	58	<10	35		0.126
A0613891		<10	<10	78	10	50		
A0613892		<10	<10	67	<10	30		
A0613893		<10	<10	69	<10	35		0.134
A0613894		10	<10	62	<10	40		0.135
A0613895		10	<10	85	10	95	14	0.179
A0613896		10	<10	54	10	67		0.141
A0613897		<10	<10	56	10	60		0.198
A0613898		<10	<10	51	10	48		0.163
A0613890		<10	<10	55	<10	32		0.107
A0606210		10	<10	61	10	171		
A0606230		<10	<10	62	<10	75		
A0613899		10	<10	59	10	60		0.198
A0613900		<10	<10	59	10	44		0.113
A0613901		<10	<10	73	10	40		
A0613902		<10	<10	69	10	37		0.107
A0613903		10	<10	66	<10	33		
A0613904		<10	<10	72	<10	52		0.121
A0613905		<10	<10	69	10	30		
A0613906		<10	<10	1	<10	3		
A0613907		<10	<10	76	<10	36		0.134
A0613908		<10	<10	65	10	106		0.119
A0613909		<10	<10	65	<10	31		0.112
A0613910		10	<10	72	<10	30		0.105
A0613912		<10	<10	59	<10	25		



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Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	0.01	10	
A0613913		9.49	0.155	0.6	8.11	7	2330	1.4	<2	4.28	<0.5	8	6	1440	1.22	20
A0613914		8.45	0.164	0.6	8.60	5	2470	1.3	<2	3.79	<0.5	5	7	1125	1.31	20
A0613915		3.70	0.181	0.6	8.55	6	2360	1.4	<2	4.17	<0.5	6	6	1120	1.42	20
A0613916		0.10	0.401	14.8	6.76	521	690	0.7	17	5.55	0.6	31	29	1810	4.90	10
A0613917		5.06	0.140	0.5	7.58	<5	2430	1.3	<2	4.00	<0.5	6	6	1085	1.20	20
A0613918		9.04	0.164	0.6	8.32	8	2760	1.4	<2	3.84	<0.5	6	5	1320	1.30	20
A0613919		7.60	0.150	0.9	8.23	9	2770	1.4	<2	3.75	<0.5	7	6	1175	1.32	20
A0613920		5.71	0.155	0.8	8.35	6	1890	1.5	<2	4.15	<0.5	7	6	1230	1.18	20
A0613921		3.36	0.214	1.2	7.33	23	1150	1.1	<2	3.48	<0.5	12	17	1595	2.51	20
A0613922		8.98	0.136	0.6	8.41	<5	2390	1.4	<2	4.48	<0.5	4	7	967	1.34	20
A0613923		9.91	0.156	0.6	8.01	5	2440	1.4	4	4.47	<0.5	7	6	1045	1.32	20
A0613924		9.20	0.153	0.6	8.12	5	2190	1.5	2	4.48	<0.5	5	6	1005	1.17	20
A0613925		9.70	0.141	0.5	8.75	6	2550	1.5	2	4.68	<0.5	5	7	972	1.51	20
A0613926		0.49	0.005	<0.5	0.09	<5	30	<0.5	<2	33.2	<0.5	<1	1	5	0.10	<10
A0613927		9.03	0.183	1.0	7.86	8	2230	1.5	<2	4.45	<0.5	6	6	1410	1.44	20
A0613928		8.57	0.111	4.9	7.84	9	2120	1.5	4	4.83	0.8	5	6	1160	1.71	20
A0613929		7.28	0.128	1.5	7.81	7	2190	1.5	3	5.10	0.7	6	8	1240	1.55	20
A0613930		4.76	0.175	0.9	8.18	6	2150	1.5	<2	4.78	<0.5	5	6	1270	1.63	20
A0613932		9.59	0.119	0.5	7.76	5	1920	1.5	2	4.86	<0.5	6	7	918	1.68	20
A0613933		10.28	0.457	1.5	7.46	5	1500	1.3	<2	4.56	<0.5	13	17	2930	3.43	20



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Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 5	Sc ppm 1	Sr ppm 1	Th ppm 20	Ti % 0.01
A0613913		2.31	10	0.46	121	59	2.70	3	410	18	0.38	5	6	604	<20	0.17
A0613914		2.37	10	0.62	129	67	2.35	2	470	20	0.29	<5	8	548	<20	0.21
A0613915		2.32	10	0.50	121	92	2.50	2	440	24	0.41	<5	7	610	<20	0.20
A0613916		1.69	10	1.09	1365	167	1.83	23	640	31	0.35	40	10	434	<20	0.21
A0613917		2.53	10	0.39	107	148	2.34	2	430	17	0.35	<5	6	544	<20	0.18
A0613918		2.70	10	0.47	122	124	2.70	2	420	19	0.43	<5	7	558	<20	0.18
A0613919		2.62	10	0.53	131	82	2.88	2	440	31	0.59	9	7	554	<20	0.19
A0613920		2.54	10	0.54	118	54	2.91	3	420	27	1.22	5	7	537	<20	0.15
A0613921		2.39	20	1.24	181	81	1.97	5	750	41	1.98	<5	18	309	<20	0.27
A0613922		2.21	10	0.46	129	78	2.56	2	450	29	0.56	<5	6	600	<20	0.20
A0613923		2.25	10	0.49	119	48	2.60	3	450	23	0.78	<5	6	579	<20	0.19
A0613924		2.31	10	0.48	118	31	2.57	1	430	20	0.88	6	6	559	<20	0.17
A0613925		2.30	10	0.62	128	61	2.49	2	470	16	0.97	9	7	602	<20	0.21
A0613926		0.02	<10	2.30	100	<1	0.03	<1	60	4	0.01	<5	<1	82	<20	0.01
A0613927		2.61	10	0.55	131	162	2.11	1	410	32	1.34	<5	6	540	<20	0.18
A0613928		2.22	10	0.58	157	75	2.26	<1	440	24	1.07	18	6	522	<20	0.22
A0613929		2.29	10	0.46	213	43	2.06	<1	520	41	1.10	<5	5	595	<20	0.22
A0613930		2.21	10	0.66	181	73	2.38	<1	490	16	0.87	<5	6	524	<20	0.24
A0613932		1.92	10	0.73	136	37	2.62	<1	530	15	1.26	<5	8	546	<20	0.23
A0613933		2.07	20	1.52	216	116	1.71	3	730	15	1.50	<5	16	460	<20	0.35

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Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Ag-OG62	Cu-OG62
		Tl	U	V	W	Zn	Ag	Cu
		ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 1	% 0.001
A0613913		<10	<10	51	<10	28		0.144
A0613914		<10	<10	58	<10	26		0.116
A0613915		<10	<10	53	<10	31		0.116
A0613916		<10	<10	86	10	96	15	0.186
A0613917		<10	<10	54	<10	21		0.111
A0613918		<10	<10	57	<10	27		0.136
A0613919		<10	<10	59	<10	39		0.123
A0613920		<10	<10	54	10	33		0.123
A0613921		<10	<10	125	10	46		0.165
A0613922		<10	<10	53	10	41		
A0613923		10	<10	56	<10	27		0.107
A0613924		<10	<10	55	10	24		0.101
A0613925		<10	<10	64	10	24		
A0613926		<10	<10	1	<10	4		
A0613927		<10	<10	62	10	32		0.144
A0613928		<10	10	68	<10	82		0.115
A0613929		<10	10	68	<10	66		0.127
A0613930		<10	10	79	<10	30		0.125
A0613932		<10	10	81	<10	30		
A0613933		<10	<10	145	<10	38		0.291

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CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Ag-OG62	Au-AA23	Cu-OG62
	ME-OG62		ME-ICP61



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CERTIFICATE WH19230294

Project: Casino

This report is for 44 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13-SEP-2019.

The following have access to data associated with this certificate:

JACK MCCLINTOCK	HEATHER SEELEY	PAUL WEST-SELLS
-----------------	----------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
Mo-OG62	Ore Grade Mo - Four Acid	
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
 Saa Traxler, General Manager, North Vancouver



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Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
A0617686		3.08	0.041	<0.5	7.69	21	2020	1.2	3	1.51	<0.5	3	10	68	3.75	20
A0617687		3.61	0.050	0.5	7.61	32	1820	1.1	<2	0.98	<0.5	4	9	103	4.08	20
A0617688		7.16	0.104	<0.5	7.46	44	1760	1.2	3	0.89	<0.5	3	11	168	4.90	20
A0617689		4.96	0.155	0.5	7.48	35	1660	1.2	4	0.40	<0.5	2	8	156	4.37	20
A0617690		8.46	0.138	0.6	7.68	37	2060	1.3	6	0.80	<0.5	5	10	187	4.34	20
A0617691		4.06	0.120	<0.5	7.87	32	1650	1.6	8	1.17	1.0	14	9	278	4.25	20
A0617693		8.13	0.228	1.2	7.60	90	140	1.4	8	0.08	<0.5	11	9	379	6.29	20
A0617694		8.95	0.243	0.6	7.92	66	190	1.7	9	0.11	0.9	14	10	565	5.81	20
A0617695		6.69	0.405	0.7	7.49	42	120	1.2	5	0.08	<0.5	12	11	520	6.17	20
A0617696		6.06	0.242	<0.5	7.73	40	120	1.4	6	0.10	<0.5	10	10	512	5.49	20
A0617697		6.60	0.746	3.7	7.21	172	90	1.3	13	0.14	<0.5	10	12	455	6.94	20
A0617698		0.56	<0.005	<0.5	0.08	<5	30	<0.5	<2	33.1	<0.5	<1	<1	5	0.09	<10
A0617699		6.98	0.253	0.8	6.95	122	110	1.3	5	0.13	<0.5	8	11	544	4.78	20
A0617700		6.71	0.339	<0.5	7.37	30	170	1.5	8	0.13	<0.5	4	12	379	4.76	20
A0617701		6.71	0.220	0.6	6.75	66	100	1.3	7	0.11	<0.5	3	12	214	5.40	20
A0617702		6.74	0.193	0.9	7.35	110	170	1.4	5	0.12	1.3	9	10	279	4.49	20
A0617703		10.92	0.203	1.2	6.79	142	100	1.2	6	0.11	<0.5	12	9	111	6.28	20
A0617704		0.10	0.645	14.6	5.72	2480	720	0.7	14	6.16	0.9	66	32	3970	4.67	10
A0617705		9.53	0.369	0.7	7.04	117	80	1.2	6	0.11	<0.5	8	12	361	7.61	20
A0617706		9.84	0.163	<0.5	7.22	49	150	1.2	3	0.13	<0.5	5	11	153	4.79	20
A0617707		9.15	0.083	<0.5	6.92	67	210	1.1	<2	0.13	<0.5	8	11	43	4.72	10
A0617708		10.06	0.065	<0.5	6.83	24	280	1.2	<2	0.13	<0.5	5	12	113	4.46	20
A0617746		9.85	0.037	0.7	8.30	60	2570	1.2	<2	1.66	<0.5	6	19	64	3.03	20
A0617747		10.55	0.025	0.8	8.49	64	2500	1.3	<2	1.50	<0.5	5	13	75	2.88	20
A0617748		10.15	0.025	0.6	8.67	55	2500	1.3	<2	1.37	<0.5	4	23	190	3.22	20
A0617749		12.38	0.029	0.6	8.84	48	2730	1.3	<2	1.44	<0.5	6	19	126	2.74	20
A0617750		10.45	0.052	0.5	9.15	46	2170	1.3	<2	1.59	<0.5	6	26	149	2.44	20
A0617751		8.01	0.031	<0.5	8.92	39	2350	1.2	<2	1.29	<0.5	4	25	142	3.22	20
A0617752		9.94	0.041	0.5	8.79	56	2670	1.2	2	1.03	<0.5	8	15	252	3.22	20
A0617753		3.01	0.090	0.5	9.10	42	3330	1.2	<2	0.72	<0.5	17	7	316	2.73	20
A0617755		4.03	0.059	0.5	9.12	40	2830	1.3	<2	0.97	<0.5	7	5	449	2.47	20
A0617756		6.38	0.092	0.8	9.27	31	2470	1.3	<2	1.19	0.6	18	7	548	2.37	20
A0617757		0.31	<0.005	<0.5	0.09	<5	30	<0.5	<2	33.8	<0.5	<1	<1	5	0.10	<10
A0617758		3.79	0.118	2.2	8.57	46	2390	1.7	2	1.23	<0.5	12	11	770	2.94	20
A0617759		4.80	0.135	<0.5	8.80	7	2400	1.5	<2	3.66	<0.5	8	5	1680	1.65	20
A0617760		3.80	0.146	<0.5	9.03	5	2570	1.5	<2	3.80	<0.5	8	5	1710	1.43	20
A0617761		6.78	0.110	0.7	8.66	<5	2540	1.4	<2	4.07	0.5	8	5	1080	1.56	20
A0617762		0.10	0.649	14.5	5.62	2440	720	0.7	11	6.11	0.9	66	31	3940	4.60	10
A0617763		6.82	0.115	<0.5	9.00	7	2630	1.5	2	3.84	<0.5	8	6	1340	1.55	20
A0617764		8.30	0.194	<0.5	9.15	9	2280	1.5	<2	4.09	<0.5	5	6	1620	1.32	20

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Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %
A0617686		2.64	10	0.79	336	<1	1.61	1	570	30	0.13	5	12	279	<20	0.32
A0617687		2.52	20	0.71	276	1	1.23	<1	520	72	0.24	6	12	207	20	0.29
A0617688		2.35	20	0.83	295	1	1.41	1	600	27	0.43	9	13	220	20	0.29
A0617689		2.64	20	0.69	168	1	1.30	<1	480	23	0.68	12	11	186	20	0.27
A0617690		2.61	20	0.93	288	1	1.36	2	690	38	0.86	6	12	222	20	0.28
A0617691		2.47	40	0.93	685	<1	1.29	3	630	39	1.31	12	13	211	20	0.30
A0617693		2.92	20	0.52	201	16	0.38	2	540	39	4.24	11	13	80	20	0.21
A0617694		3.14	20	0.37	229	<1	0.15	4	540	29	4.56	8	13	31	20	0.22
A0617695		3.26	30	0.33	47	<1	0.06	4	440	45	6.45	10	11	17	20	0.21
A0617696		3.41	20	0.34	63	<1	0.07	3	510	48	5.73	9	12	43	<20	0.19
A0617697		3.08	20	0.30	163	<1	0.06	4	580	35	7.13	<5	11	11	20	0.19
A0617698		0.02	<10	1.25	76	<1	0.02	<1	80	2	0.02	7	<1	87	<20	0.01
A0617699		2.92	20	0.25	47	1	0.06	2	510	35	4.90	16	11	23	20	0.21
A0617700		3.47	20	0.37	169	1	0.07	3	530	18	4.54	<5	11	13	20	0.22
A0617701		3.14	20	0.33	43	1	0.07	2	510	12	5.76	5	11	11	<20	0.19
A0617702		3.43	20	0.36	55	<1	0.07	1	550	44	4.60	11	11	11	<20	0.22
A0617703		3.19	20	0.37	47	<1	0.07	3	460	17	6.91	5	10	15	20	0.18
A0617704		1.60	20	0.75	1405	326	1.60	24	640	27	0.70	42	6	455	<20	0.14
A0617705		3.28	20	0.33	66	1	0.07	3	470	20	8.09	6	11	15	<20	0.16
A0617706		3.37	20	0.29	136	1	0.07	3	500	25	4.68	10	11	13	20	0.21
A0617707		3.17	20	0.21	169	1	0.07	2	470	13	4.62	19	11	20	<20	0.20
A0617708		3.08	20	0.25	250	<1	0.07	3	450	23	3.95	18	11	19	<20	0.22
A0617746		2.83	20	0.65	306	2	1.31	6	520	36	0.10	13	10	294	<20	0.25
A0617747		2.94	20	0.55	278	3	1.33	2	470	43	0.10	11	10	291	<20	0.22
A0617748		2.89	20	0.57	207	2	1.34	6	550	39	0.12	7	10	291	20	0.25
A0617749		3.10	20	0.56	238	3	1.31	5	460	37	0.13	11	10	285	20	0.24
A0617750		2.52	20	0.60	247	4	1.49	8	420	43	0.25	15	11	324	<20	0.27
A0617751		2.85	20	0.59	201	4	1.22	6	610	28	0.12	9	11	276	<20	0.25
A0617752		3.16	20	0.45	250	14	0.99	6	610	27	0.13	12	10	234	<20	0.21
A0617753		3.46	20	0.42	255	32	0.90	<1	360	32	0.17	7	9	202	<20	0.17
A0617755		3.34	10	0.37	147	36	1.18	1	340	27	0.12	10	9	240	<20	0.16
A0617756		2.92	10	0.40	437	38	1.45	1	360	30	0.10	10	10	301	<20	0.17
A0617757		0.02	<10	0.80	88	1	0.02	<1	70	<2	0.01	10	<1	90	<20	0.01
A0617758		3.21	20	0.63	158	57	1.52	7	440	84	0.24	10	9	317	<20	0.19
A0617759		2.32	10	0.70	96	65	2.63	2	550	20	0.33	<5	9	557	<20	0.25
A0617760		2.51	10	0.69	102	31	3.00	1	560	15	0.28	<5	9	599	<20	0.24
A0617761		2.28	10	0.62	107	71	2.87	1	520	16	0.24	<5	8	608	<20	0.24
A0617762		1.58	10	0.75	1380	322	1.58	24	640	30	0.68	47	5	450	<20	0.14
A0617763		2.40	10	0.63	102	89	3.07	1	510	14	0.38	8	7	636	<20	0.23
A0617764		2.26	10	0.62	97	146	3.16	1	500	18	0.34	<5	7	681	<20	0.22

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Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Ag-OG62	Cu-OG62	Mo-OG62
		Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Ag ppm 1	Cu % 0.001	Mo % 0.001
A0617686		10	<10	101	<10	44			
A0617687		<10	<10	94	<10	62			
A0617688		10	<10	103	<10	61			
A0617689		<10	<10	93	<10	39			
A0617690		<10	<10	98	<10	73			
A0617691		<10	<10	102	<10	193			
A0617693		<10	<10	94	10	106			
A0617694		<10	10	95	10	104			
A0617695		<10	<10	79	10	27			
A0617696		<10	<10	81	10	40			
A0617697		<10	<10	86	10	54			
A0617698		<10	<10	1	<10	3			
A0617699		10	10	87	10	33			
A0617700		<10	<10	85	10	34			
A0617701		10	<10	85	10	23			
A0617702		10	10	85	10	175			
A0617703		<10	<10	79	10	21			
A0617704		10	<10	57	<10	113	15	0.388	0.033
A0617705		<10	<10	83	10	42			
A0617706		<10	<10	82	10	38			
A0617707		<10	<10	85	10	33			
A0617708		<10	10	88	10	49			
A0617746		<10	<10	74	<10	56			
A0617747		<10	<10	65	<10	50			
A0617748		<10	<10	72	<10	49			
A0617749		<10	<10	68	<10	49			
A0617750		10	<10	74	<10	50			
A0617751		10	<10	72	10	37			
A0617752		<10	<10	63	<10	41			
A0617753		<10	<10	53	10	38			
A0617755		<10	<10	52	10	45			
A0617756		<10	<10	56	10	77			
A0617757		<10	<10	1	<10	2			
A0617758		<10	<10	66	10	139			
A0617759		<10	<10	67	<10	63		0.167	
A0617760		<10	<10	65	<10	41		0.162	
A0617761		<10	<10	66	10	44		0.108	
A0617762		<10	<10	56	<10	111	15	0.391	0.032
A0617763		10	<10	63	<10	42		0.132	
A0617764		<10	<10	60	<10	36		0.160	



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
A0617765		6.58	0.189	0.5	8.93	8	2520	1.4	<2	3.32	<0.5	7	5	1530	1.38	20
A0617766		7.18	0.151	<0.5	8.85	<5	2100	1.4	<2	4.22	<0.5	7	4	1190	1.44	20
A0617767		8.45	0.249	0.8	8.15	6	1930	1.4	<2	4.57	<0.5	7	5	2040	1.33	20
A0617768		4.37	0.181	0.6	8.19	<5	1830	1.3	<2	4.39	<0.5	5	4	1510	1.14	20

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Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %
		0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
A0617765		2.74	10	0.69	105	55	3.38	1	530	18	0.41	8	8	512	<20	0.23
A0617766		2.14	10	0.70	112	36	3.35	1	520	17	0.74	10	8	570	<20	0.24
A0617767		2.34	10	0.63	110	50	2.93	1	490	26	1.07	8	7	549	<20	0.21
A0617768		2.41	10	0.65	97	108	3.00	<1	510	16	1.06	<5	7	527	<20	0.21

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Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Ag-OG62	Cu-OG62	Mo-OG62
		Tl	U	V	W	Zn	Ag	Cu	Mo
		ppm	ppm	ppm	ppm	ppm	ppm	%	%
		10	10	1	10	2	1	0.001	0.001
A0617765		<10	<10	67	<10	41		0.156	
A0617766		<10	<10	71	<10	34		0.117	
A0617767		<10	<10	69	10	46		0.203	
A0617768		10	<10	67	<10	32		0.149	

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CERTIFICATE OF ANALYSIS WH19230294

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Ag-OG62	Au-AA23	Cu-OG62
	ME-OG62	Mo-OG62	ME-ICP61



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CERTIFICATE WH19172984

Project: Casno

This report is for 58 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUL-2019.

The following have access to data associated with this certificate:

JACK MCCLINTOCK

HEATHER SEELY

PAUL WEST-SELLS

SAMPLE PREPARATION


ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
A0613143		5.51	0.022	<0.5	8.64	7	770	1.4	<2	2.28	1.0	7	5	314	2.87	20
A0613144		8.14	0.019	<0.5	9.44	7	990	1.6	3	3.49	0.8	13	6	259	2.65	20
A0613145		6.52	0.039	<0.5	8.66	9	680	1.5	2	3.40	0.6	14	6	352	2.77	20
A0613146		6.59	0.050	<0.5	8.65	10	530	1.5	2	3.31	0.5	13	6	544	2.85	20
A0613147		5.24	0.058	2.5	9.04	58	1020	1.4	2	3.22	12.3	16	6	600	2.99	20
A0613148		6.29	0.029	<0.5	9.05	15	540	1.3	<2	3.38	0.9	15	5	431	3.46	20
A0613149		6.48	0.023	<0.5	9.08	7	190	1.4	<2	3.35	0.6	11	8	167	3.99	20
A0613150		9.44	0.040	<0.5	8.70	37	170	1.3	<2	3.15	<0.5	20	6	400	3.98	20
A0613151		8.77	0.078	0.6	8.66	15	1840	1.6	<2	4.36	0.6	19	6	493	2.68	20
A0613152		0.19	0.009	<0.5	0.10	<5	30	<0.5	<2	36.2	<0.5	<1	1	3	0.09	<10
A0613153		9.16	0.033	<0.5	9.53	14	450	1.4	<2	3.58	<0.5	16	5	327	3.70	20
A0613154		3.33	0.044	<0.5	9.97	8	400	1.4	<2	4.01	<0.5	11	5	308	3.92	20
A0613156		6.55	0.082	<0.5	9.88	11	1090	1.4	<2	2.84	<0.5	23	6	693	3.66	20
A0613157		4.99	0.030	<0.5	9.54	6	2030	1.4	<2	4.14	<0.5	13	6	359	2.88	20
A0613158		6.89	0.047	<0.5	9.60	8	2110	1.5	<2	4.32	<0.5	12	5	451	2.75	20
A0613159		5.25	0.075	0.7	8.91	14	1550	1.5	3	4.35	0.7	16	5	578	2.82	20
A0613160		6.54	0.114	<0.5	11.00	27	790	1.6	<2	2.46	<0.5	27	5	715	3.71	30
A0613161		4.65	0.170	2.1	8.18	21	160	1.2	5	3.20	0.8	83	6	1495	5.88	20
A0613162		0.10	0.412	15.4	6.91	527	710	0.7	15	5.91	0.6	29	30	1845	5.12	10
A0613163		6.38	0.041	<0.5	9.20	<5	1930	1.4	<2	4.74	<0.5	11	5	406	2.18	20
A0613164		6.77	0.043	0.5	8.50	7	2400	1.4	<2	4.47	<0.5	10	6	342	2.30	20
A0613165		8.62	0.066	1.0	8.15	11	1910	1.4	<2	4.15	0.7	12	5	481	2.19	20
A0613166		10.01	0.068	0.6	8.49	5	2290	1.4	<2	3.43	<0.5	17	5	609	2.79	20
A0613167		10.42	0.090	0.7	8.43	165	1970	1.5	<2	3.07	0.7	16	5	584	2.81	20
A0613168		7.88	0.079	0.6	8.88	27	2060	1.4	<2	3.99	<0.5	15	5	512	2.89	20
A0613169		9.49	0.052	0.9	9.62	21	2610	1.5	<2	3.99	<0.5	13	7	391	3.01	20
A0613170		6.19	0.105	0.7	9.60	32	2100	1.4	<2	3.50	<0.5	18	5	708	3.36	20
A0613171		0.20	<0.005	<0.5	0.16	<5	50	<0.5	<2	35.8	<0.5	<1	1	5	0.09	<10
A0613172		8.46	0.065	0.8	8.81	114	1590	1.3	4	3.33	1.2	10	3	484	2.78	20
A0613173		8.15	0.060	<0.5	8.24	20	2090	1.4	3	4.06	<0.5	10	3	513	2.40	20
A0613174		4.94	0.073	<0.5	9.96	9	2350	1.4	4	3.11	<0.5	16	3	665	2.87	20
A0613176		6.19	0.101	<0.5	9.60	11	2390	1.5	4	3.75	<0.5	13	3	658	2.35	20
A0613177		4.39	0.099	0.5	9.74	278	1600	1.3	5	2.68	0.5	15	3	828	2.79	20
A0613178		3.30	0.047	<0.5	9.67	11	1960	1.7	5	2.88	<0.5	11	3	493	2.92	20
A0613179		2.60	0.166	1.7	11.05	73	2480	1.4	3	1.29	<0.5	13	3	999	3.23	20
A0613180		3.44	0.208	1.0	9.63	14	4720	1.2	5	1.43	<0.5	19	2	1430	5.32	20
A0613181		6.02	0.147	0.8	10.30	35	3130	1.3	5	1.80	<0.5	20	2	921	3.00	20
A0613182		0.10	0.406	14.3	6.57	504	670	0.6	16	5.56	0.6	28	28	1810	4.86	10
A0613183		8.39	0.084	0.7	9.92	31	1780	1.3	<2	2.16	1.1	15	3	644	2.97	20
A0613184		9.08	0.130	1.0	11.10	63	1750	1.4	4	1.78	<0.5	21	3	880	3.55	20



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Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
Units		%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOD		0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
A0613143		2.30	10	0.40	38	1	1.64	1	450	34	2.57	<5	7	410	<20	0.17
A0613144		2.19	10	0.51	96	1	2.17	<1	500	13	2.51	<5	8	545	<20	0.20
A0613145		2.49	10	0.41	154	3	2.00	1	490	12	2.63	<5	7	431	<20	0.17
A0613146		2.75	10	0.36	118	3	1.96	<1	480	18	2.97	5	7	426	<20	0.16
A0613147		2.56	10	0.40	288	9	1.94	3	500	440	3.04	7	8	453	<20	0.12
A0613148		2.35	10	0.30	104	4	1.70	3	480	21	3.64	<5	7	451	<20	0.12
A0613149		2.78	10	0.31	105	3	1.71	1	490	15	4.38	<5	8	423	<20	0.20
A0613150		3.01	10	0.29	130	2	1.59	<1	450	6	4.07	<5	7	382	<20	0.18
A0613151		2.47	10	0.36	301	5	2.02	1	480	14	1.85	<5	7	566	<20	0.20
A0613152		0.02	<10	0.85	91	1	0.04	1	90	2	0.01	5	<1	99	<20	0.01
A0613153		2.97	10	0.35	142	2	1.49	1	450	14	3.44	<5	8	395	<20	0.12
A0613154		2.70	10	0.48	99	1	1.90	1	480	15	3.67	<5	9	476	<20	0.15
A0613156		3.09	10	0.45	67	7	1.63	<1	460	11	2.70	<5	8	362	<20	0.14
A0613157		2.22	10	0.43	91	9	2.34	<1	450	7	1.33	<5	8	544	<20	0.16
A0613158		2.30	10	0.44	130	5	2.00	<1	490	10	1.20	6	8	518	<20	0.15
A0613159		3.17	10	0.56	243	6	1.14	1	450	25	2.09	<5	8	257	<20	0.15
A0613160		4.19	10	0.47	81	12	1.04	1	460	5	2.96	8	10	235	<20	0.19
A0613161		2.60	10	0.40	172	3	1.03	1	370	35	3.86	11	7	259	<20	0.13
A0613162		1.75	20	1.14	1415	171	1.88	22	640	25	0.37	41	10	436	<20	0.21
A0613163		1.64	10	0.45	82	3	2.54	<1	470	35	1.04	5	8	626	<20	0.20
A0613164		1.81	10	0.50	72	1	2.45	<1	450	12	1.23	6	8	748	<20	0.23
A0613165		2.47	10	0.49	253	2	1.77	<1	480	30	1.78	<5	7	491	<20	0.22
A0613166		3.10	10	0.41	218	3	1.61	<1	450	9	1.74	<5	7	363	<20	0.19
A0613167		2.96	10	0.39	315	7	1.43	<1	450	22	1.74	7	7	316	<20	0.19
A0613168		3.05	10	0.43	259	15	1.70	<1	460	8	1.57	<5	8	381	<20	0.19
A0613169		2.65	20	0.43	155	10	2.48	1	480	22	1.28	<5	9	670	<20	0.20
A0613170		3.41	10	0.45	303	11	1.66	<1	470	13	1.91	6	9	439	<20	0.19
A0613171		0.03	<10	1.58	90	<1	0.05	<1	80	<2	0.01	6	<1	94	<20	0.01
A0613172		3.08	10	0.39	586	7	0.57	3	420	30	1.78	9	8	186	<20	0.15
A0613173		2.42	10	0.38	233	5	1.89	1	400	9	1.07	<5	7	465	<20	0.17
A0613174		3.17	10	0.40	128	20	2.46	3	440	8	1.56	6	9	577	<20	0.16
A0613176		2.78	10	0.36	148	6	2.64	2	410	13	1.27	<5	8	612	<20	0.17
A0613177		3.16	10	0.52	392	7	0.53	3	430	23	1.62	13	9	139	<20	0.12
A0613178		2.74	10	0.35	182	14	1.67	2	450	7	1.16	8	8	371	<20	0.15
A0613179		3.91	20	0.66	291	31	0.32	3	480	41	1.57	14	10	130	<20	0.16
A0613180		4.46	20	0.47	243	29	0.91	3	360	16	1.24	7	9	284	<20	0.11
A0613181		3.92	10	0.62	215	18	0.99	1	410	16	1.53	9	9	231	<20	0.12
A0613182		1.68	20	1.08	1325	167	1.81	22	590	28	0.35	37	10	416	<20	0.20
A0613183		4.18	20	0.57	213	17	1.33	1	390	27	2.18	7	9	209	<20	0.13
A0613184		4.46	20	0.57	234	22	1.22	1	440	15	2.33	16	11	205	<20	0.15



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Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Ag-OG62	Cu-OG62
		Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2	Ag ppm 1	Cu % 0.001
A0613143		<10	<10	43	10	47		
A0613144		<10	<10	47	10	62		
A0613145		<10	<10	44	10	40		
A0613146		<10	<10	45	10	36		
A0613147		10	<10	42	10	838		
A0613148		<10	<10	41	10	54		
A0613149		<10	<10	48	10	38		
A0613150		<10	<10	46	10	27		
A0613151		<10	<10	50	10	61		
A0613152		<10	<10	<1	<10	2		
A0613153		<10	<10	43	10	19		
A0613154		<10	<10	44	10	13		
A0613156		<10	<10	49	10	14		
A0613157		<10	<10	46	10	18		
A0613158		<10	<10	45	10	22		
A0613159		<10	10	55	10	60		
A0613160		<10	<10	53	10	15		
A0613161		<10	<10	40	10	57		0.147
A0613162		<10	<10	89	10	100	15	0.184
A0613163		<10	<10	47	10	24		
A0613164		<10	<10	52	10	28		
A0613165		<10	<10	45	10	53		
A0613166		<10	<10	45	10	24		
A0613167		<10	<10	45	10	87		
A0613168		<10	<10	46	10	35		
A0613169		<10	<10	49	10	46		
A0613170		<10	<10	49	10	42		
A0613171		<10	<10	1	<10	3		
A0613172		<10	<10	41	10	122		
A0613173		<10	<10	42	10	21		
A0613174		<10	<10	48	10	17		
A0613176		10	<10	43	10	19		
A0613177		<10	<10	44	10	50		
A0613178		<10	<10	42	10	30		
A0613179		<10	<10	47	10	55		
A0613180		10	<10	43	10	36		0.146
A0613181		<10	<10	44	10	39		
A0613182		10	<10	85	10	96	16	0.182
A0613183		<10	<10	42	10	86		
A0613184		<10	<10	53	20	32		



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Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
A0613155		3.09	0.043	<0.5	9.54	7	380	1.3	2	3.76	<0.5	11	3	307	3.56	20
A0613175		3.04	0.091	0.6	9.76	14	2430	1.4	5	3.03	<0.5	16	3	782	2.98	20
A0605691		6.19	0.160	1.6	7.54	12	1200	1.3	6	1.06	<0.5	13	10	1060	3.31	20
A0605670		3.90	0.168	2.0	7.97	10	520	1.5	8	0.64	<0.5	21	10	1630	4.23	20
A0605610		4.70	0.243	2.1	7.57	82	100	1.4	27	0.20	<0.5	10	25	659	6.81	20
A0605649		2.33	0.126	1.8	7.84	34	150	1.6	10	0.31	<0.5	31	8	794	5.30	10
A0605631		3.67	0.094	0.9	7.84	41	1430	1.2	4	0.07	<0.5	3	10	124	3.14	20
A0605592		4.21	0.191	2.3	7.54	20	170	1.3	10	0.15	0.9	16	11	937	5.42	20
A0605569		2.40	0.215	1.9	6.92	148	230	0.8	133	0.03	<0.5	19	10	138	9.74	20
A0613185		8.74	0.103	1.5	10.30	89	1890	1.5	3	2.64	0.5	13	3	615	3.30	20
A0613186		10.53	0.128	1.1	9.07	65	1530	1.4	5	3.82	<0.5	16	4	754	3.74	20
A0613187		8.85	0.138	1.0	9.34	35	1980	1.4	<2	3.66	<0.5	12	3	585	2.94	20
A0613188		8.90	0.077	1.2	8.60	91	1690	1.4	2	3.81	1.4	9	3	486	2.15	20
A0613189		9.07	0.054	<0.5	7.43	16	2100	1.2	3	4.72	<0.5	9	4	484	1.98	20
A0613190		0.22	<0.005	<0.5	0.17	<5	60	<0.5	<2	33.2	<0.5	<1	<1	4	0.11	<10
A0613191		7.64	0.096	<0.5	8.53	10	2150	1.3	3	4.37	<0.5	10	4	540	2.23	20
A0613192		9.29	0.053	<0.5	9.25	5	2350	1.3	3	4.15	<0.5	8	4	428	1.95	20
A0613193		9.42	0.029	<0.5	9.40	10	2040	1.4	6	4.63	<0.5	6	5	340	1.98	20

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Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 5	Sc ppm 1	Sr ppm 1	Th ppm 20	Ti % 0.01
A0613155		2.52	10	0.46	89	3	1.82	1	400	12	3.34	6	8	465	<20	0.14
A0613175		3.14	10	0.41	134	12	2.27	<1	430	3	1.60	5	9	527	<20	0.15
A0605691		3.48	30	1.33	375	65	0.57	3	530	7	1.64	6	13	162	<20	0.26
A0605670		3.32	40	0.93	448	246	0.36	5	570	3	2.83	10	13	90	20	0.23
A0605610		3.68	30	0.57	235	29	0.07	11	700	14	6.90	9	8	47	<20	0.18
A0605649		3.38	20	0.94	206	70	0.21	7	600	7	4.53	10	13	67	20	0.21
A0605631		3.27	20	0.65	70	114	0.16	3	430	8	0.31	11	13	56	<20	0.17
A0605592		3.74	30	0.49	140	43	0.09	5	540	6	5.01	14	12	23	<20	0.17
A0605569		3.41	10	0.31	77	25	0.08	6	230	7	7.86	11	11	18	<20	0.13
A0613185		4.22	10	0.66	493	16	0.81	1	400	38	2.05	13	10	161	<20	0.14
A0613186		3.93	10	0.43	438	22	1.25	2	440	18	2.17	13	9	306	<20	0.14
A0613187		3.21	10	0.38	354	26	2.23	2	410	21	1.27	12	9	507	<20	0.16
A0613188		2.83	10	0.34	584	14	0.67	2	410	60	1.12	8	8	292	<20	0.20
A0613189		2.75	10	0.24	423	29	1.07	1	420	5	1.10	13	8	542	<20	0.17
A0613190		0.04	<10	2.32	109	1	0.04	1	80	<2	0.01	<5	<1	92	<20	0.01
A0613191		2.72	10	0.42	161	22	1.90	3	440	10	1.49	<5	9	714	<20	0.15
A0613192		2.40	10	0.63	108	19	2.93	2	440	14	0.93	<5	10	674	<20	0.19
A0613193		1.97	10	0.74	111	41	2.78	2	450	13	0.78	<5	10	680	<20	0.21



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Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Ag-OG62	Cu-OG62
		Tl	U	V	W	Zn	Ag	Cu
		ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 1	% 0.001
A0613155		<10	<10	41	10	13		
A0613175		10	<10	49	10	17		
A0605691		<10	<10	96	40	64		0.104
A0605670		<10	10	92	40	90		0.159
A0605610		<10	<10	69	30	40		
A0605649		<10	<10	93	30	113		
A0605631		<10	<10	100	20	28		
A0605592		<10	<10	90	20	121		
A0605569		<10	<10	82	20	49		
A0613185		<10	<10	44	10	74		
A0613186		10	<10	48	10	45		
A0613187		<10	<10	48	10	44		
A0613188		<10	<10	50	10	122		
A0613189		<10	<10	53	10	24		
A0613190		<10	<10	1	<10	3		
A0613191		10	<10	48	10	20		
A0613192		<10	<10	50	10	23		
A0613193		<10	<10	53	10	22		

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CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Ag-OG62	Au-AA23	Cu-OG62
	ME-OG62		ME-ICP61



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CERTIFICATE WH19166537

Project: Casino

This report is for 57 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8-JUL-2019.

The following have access to data associated with this certificate:

JACK MCCLINTOCK

HEATHER SEELY

PAUL WEST-SELLS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
Mo-OG62	Ore Grade Mo - Four Acid	
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
A0605641		7.18	0.146	1.7	8.12	27	2370	1.2	4	0.16	0.9	12	13	679	3.51	20
A0605642		7.57	0.186	2.8	8.26	25	730	1.2	4	0.14	1.1	19	14	2200	3.92	20
A0605643		0.41	<0.005	<0.5	0.18	<5	80	<0.5	<2	30.4	<0.5	<1	1	15	0.14	<10
A0605644		8.74	0.222	2.5	8.98	24	460	1.1	4	0.23	0.6	29	14	2770	3.66	20
A0605645		8.59	0.136	3.3	8.23	37	330	1.4	18	0.18	<0.5	25	12	1220	4.27	10
A0605646		9.14	0.141	3.1	8.71	27	200	1.5	11	0.33	1.6	26	11	1290	4.94	20
A0605647		8.82	0.094	1.8	8.00	25	210	1.5	4	0.25	3.2	22	11	750	4.34	10
A0605648		2.57	0.155	2.4	8.04	51	70	1.6	10	0.29	0.7	47	14	975	6.81	10
A0605650		4.43	0.153	2.1	8.05	62	260	1.5	6	0.26	0.6	30	12	1170	3.99	20
A0605651		9.22	0.156	2.8	7.90	69	70	1.6	9	0.27	0.8	32	15	1740	6.42	20
A0605652		9.47	0.105	1.4	7.95	9	490	1.6	2	0.42	<0.5	23	12	938	3.86	10
A0605653		10.33	0.131	1.2	7.79	10	370	1.4	5	0.60	0.5	21	15	1080	4.28	20
A0605654		9.27	0.164	1.2	8.07	15	710	1.5	3	0.61	0.8	28	13	1040	3.88	20
A0605655		13.60	0.171	2.0	8.05	10	330	1.6	8	0.39	0.8	24	15	1680	4.74	20
A0605656		0.10	0.631	16.2	6.26	2570	770	0.8	16	6.25	1.0	70	34	4270	4.87	10
A0605657		12.25	0.157	1.8	8.52	7	340	1.6	5	0.44	0.7	25	13	1840	4.57	10
A0605658		8.42	0.160	1.4	8.35	6	730	1.5	3	0.50	<0.5	22	14	1380	3.97	20
A0605659		8.64	0.202	1.8	8.10	9	750	1.5	3	0.50	<0.5	25	13	1680	3.74	20
A0605660		10.31	0.145	1.6	7.84	14	330	1.5	5	0.42	<0.5	25	17	1320	4.50	10
A0605661		5.37	0.193	1.9	7.93	45	320	1.3	<2	0.37	<0.5	34	18	1100	4.62	20
A0605662		5.28	0.177	1.9	7.56	48	210	1.2	3	0.35	0.6	27	17	1190	4.47	20
A0605663		9.96	0.116	2.0	8.13	10	240	1.5	4	0.46	0.5	29	15	1170	5.09	20
A0605664		9.40	0.117	1.4	8.85	17	760	1.8	12	1.17	0.8	20	33	640	5.26	20
A0605665		9.17	0.120	2.3	8.34	12	310	1.7	8	0.40	1.4	19	14	1400	4.67	20
A0605666		9.96	0.185	1.8	8.20	28	100	1.5	8	0.22	<0.5	25	17	1140	6.70	10
A0605667		0.34	<0.005	<0.5	0.11	<5	30	<0.5	<2	35.0	<0.5	<1	1	6	0.11	<10
A0605668		8.49	0.211	3.3	8.08	39	150	1.5	11	0.28	0.5	20	14	3040	5.73	10
A0605669		4.27	0.208	2.2	8.10	9	400	1.6	44	0.59	<0.5	23	16	1700	4.86	20
A0605671		6.16	0.203	3.1	8.03	11	760	1.5	8	0.40	0.7	18	15	2010	3.72	20
A0605672		9.13	0.189	1.9	8.01	5	1350	1.7	3	0.74	<0.5	19	16	1610	4.05	20
A0605673		6.65	0.218	3.1	7.67	41	400	1.6	6	0.23	0.7	20	15	2420	4.29	20
A0605674		6.75	0.249	4.7	6.98	50	190	1.3	13	0.26	1.1	23	19	2860	4.79	10
A0605675		9.58	0.170	2.6	8.13	20	220	1.5	10	0.49	0.8	22	14	1320	5.43	20
A0605676		9.95	0.120	1.9	7.97	22	210	1.4	14	0.15	<0.5	18	15	637	6.04	20
A0605677		0.10	0.637	14.6	5.83	2380	720	0.7	15	5.88	1.0	65	33	3910	4.53	10
A0605678		9.68	0.191	2.7	8.18	25	220	1.4	9	0.15	1.1	31	18	1740	5.58	20
A0605679		9.01	0.235	3.6	8.00	56	280	1.1	18	0.14	1.5	37	17	1810	5.83	20
A0605680		10.61	0.209	2.6	7.95	33	390	1.0	11	0.12	0.9	23	15	1720	4.97	20
A0605681		8.66	0.199	4.2	7.62	40	240	1.1	28	0.12	0.7	23	16	1735	5.83	20
A0605682		5.42	0.194	2.9	7.64	17	240	1.5	7	0.54	<0.5	17	17	1350	6.02	20

***** See Appendix Page for comments regarding this certificate *****



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	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
Units		%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOD		0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
A0605641		2.90	20	0.57	82	41	0.13	7	930	2	1.18	6	15	410	20	0.17
A0605642		3.02	30	0.56	63	417	0.10	7	730	55	2.80	14	15	364	30	0.18
A0605643		0.05	10	2.99	102	3	0.03	2	90	5	0.01	<5	<1	85	<20	0.01
A0605644		3.14	20	0.60	118	151	0.09	8	730	<2	2.89	24	15	422	20	0.19
A0605645		3.39	20	0.55	67	451	0.10	7	680	9	3.54	8	14	256	<20	0.20
A0605646		3.43	20	0.95	212	23	0.29	7	630	3	3.56	7	16	98	<20	0.27
A0605647		3.45	20	0.82	156	145	0.42	3	560	<2	3.71	8	12	95	<20	0.21
A0605648		3.32	20	0.88	239	81	0.19	7	600	3	5.79	17	14	63	<20	0.21
A0605650		3.52	30	0.72	163	138	0.22	4	590	8	3.35	14	13	98	20	0.21
A0605651		3.40	30	0.53	347	58	0.24	9	810	13	5.65	11	12	138	<20	0.19
A0605652		3.40	20	0.83	360	45	0.78	4	650	4	2.68	<5	14	152	20	0.23
A0605653		3.34	30	0.99	407	156	1.00	4	570	4	2.78	8	13	196	<20	0.23
A0605654		3.25	30	1.00	363	79	1.12	6	620	6	2.49	<5	13	213	20	0.23
A0605655		3.30	30	1.02	417	306	0.68	5	590	6	3.21	5	13	146	20	0.22
A0605656		1.73	20	0.80	1460	345	1.71	27	690	25	0.73	46	6	502	<20	0.15
A0605657		3.45	30	1.02	383	123	0.56	6	660	4	3.22	11	14	163	20	0.23
A0605658		3.01	40	0.79	489	285	0.77	6	670	4	1.90	<5	14	243	20	0.22
A0605659		3.40	40	1.02	395	572	0.73	6	640	5	2.27	<5	14	159	<20	0.21
A0605660		3.18	30	0.85	361	312	0.48	7	570	3	3.21	<5	12	92	<20	0.20
A0605661		3.62	30	0.80	266	4290	0.33	5	510	3	4.12	7	13	60	<20	0.21
A0605662		3.37	30	0.78	272	8670	0.38	5	450	3	4.01	8	12	70	<20	0.20
A0605663		3.45	20	1.05	334	49	0.51	4	610	3	4.16	<5	14	102	<20	0.23
A0605664		3.32	40	1.45	807	116	0.80	20	1060	7	2.65	10	13	265	<20	0.29
A0605665		3.29	30	1.16	500	406	0.37	5	670	8	3.36	8	14	118	<20	0.22
A0605666		3.41	20	0.98	385	110	0.31	8	670	4	5.51	5	14	124	<20	0.22
A0605667		0.03	10	1.42	88	1	0.03	2	90	<2	0.02	<5	<1	93	<20	0.01
A0605668		3.26	30	0.83	322	149	0.26	8	940	4	4.81	9	12	336	<20	0.21
A0605669		3.30	40	0.88	512	426	0.31	6	640	9	3.02	13	13	128	20	0.24
A0605671		3.60	30	0.80	318	961	0.10	5	540	2	2.66	8	13	43	<20	0.22
A0605672		3.29	40	1.09	587	268	1.07	4	620	3	1.61	7	13	207	20	0.23
A0605673		3.21	40	0.76	311	1025	0.16	6	560	2	3.10	<5	15	92	<20	0.22
A0605674		3.09	40	0.54	214	5150	0.13	5	470	6	4.39	<5	13	60	<20	0.19
A0605675		3.66	40	1.07	416	376	0.25	5	580	5	4.47	6	13	59	20	0.23
A0605676		3.79	30	1.05	370	548	0.07	7	580	13	4.99	5	13	30	<20	0.22
A0605677		1.60	20	0.74	1340	318	1.59	26	640	26	0.69	38	6	465	<20	0.14
A0605678		3.81	20	1.07	246	195	0.07	5	650	<2	4.95	9	14	118	<20	0.24
A0605679		3.92	30	0.73	190	441	0.08	16	790	17	5.12	<5	15	228	<20	0.24
A0605680		3.91	50	0.77	180	159	0.08	8	620	7	4.27	6	14	122	20	0.23
A0605681		3.69	40	0.87	245	298	0.07	7	550	13	4.96	<5	12	78	<20	0.21
A0605682		3.54	50	1.42	579	107	0.11	7	600	6	4.76	8	13	26	<20	0.23



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		Tl	U	V	W	Zn	Ag	Cu	Mo
		ppm	ppm	ppm	ppm	ppm	ppm	%	%
		10	10	1	10	2	l	0.001	0.001
A0605641		<10	<10	93	20	88			
A0605642		<10	<10	98	20	72		0.226	0.045
A0605643		<10	<10	2	<10	5			
A0605644		<10	<10	90	20	88		0.279	
A0605645		<10	<10	94	30	60		0.125	0.047
A0605646		<10	<10	117	20	122		0.127	
A0605647		10	<10	87	20	185			
A0605648		<10	<10	97	30	109			
A0605650		<10	<10	98	30	103		0.121	
A0605651		<10	10	83	20	119		0.178	
A0605652		10	<10	103	20	111			
A0605653		<10	<10	96	20	94		0.109	
A0605654		<10	<10	96	30	93		0.109	
A0605655		<10	<10	95	30	98		0.174	0.034
A0605656		<10	<10	61	<10	114	15	0.398	0.034
A0605657		<10	10	105	30	110		0.175	
A0605658		<10	10	99	40	110		0.141	0.031
A0605659		<10	<10	105	60	76		0.174	0.062
A0605660		<10	<10	94	40	75		0.136	0.032
A0605661		<10	<10	99	50	49		0.113	0.457
A0605662		<10	<10	94	50	50		0.126	0.950
A0605663		<10	<10	109	30	89		0.117	
A0605664		<10	<10	101	20	171			
A0605665		<10	10	100	20	156		0.140	0.041
A0605666		10	10	101	30	86		0.112	
A0605667		<10	<10	1	<10	3			
A0605668		<10	10	92	30	75		0.301	
A0605669		<10	10	94	40	89		0.169	0.045
A0605671		<10	10	90	40	85		0.206	0.099
A0605672		<10	10	99	20	91		0.161	0.028
A0605673		<10	10	99	40	66		0.253	0.108
A0605674		<10	10	94	40	43		0.291	0.546
A0605675		<10	<10	95	30	75		0.131	0.039
A0605676		<10	10	95	60	64			0.060
A0605677		<10	<10	56	<10	106	15	0.394	0.034
A0605678		<10	10	101	40	66		0.178	
A0605679		<10	20	108	50	76		0.178	0.043
A0605680		<10	10	98	70	46		0.175	
A0605681		<10	20	91	70	66		0.172	0.029
A0605682		<10	<10	101	30	91		0.135	



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		0.02	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
A0605683		12.05	0.218	3.1	7.62	23	440	1.6	6	0.73	0.8	20	16	1825	4.77	20
A0605684		9.36	0.147	1.9	7.68	17	660	1.4	7	0.97	<0.5	17	14	1475	3.76	20
A0605685		0.27	<0.005	<0.5	0.08	<5	30	<0.5	3	33.7	<0.5	<1	2	8	0.15	<10
A0605686		8.78	0.244	6.5	7.53	46	370	1.4	71	0.45	<0.5	15	13	1675	4.78	20
A0605687		10.08	0.251	3.0	7.37	22	400	1.4	14	0.35	0.9	23	16	2660	4.66	20
A0605688		8.62	0.180	2.7	7.80	14	370	1.3	11	0.52	<0.5	25	14	1860	4.22	20
A0605689		9.06	0.195	3.0	7.96	13	580	1.2	5	0.64	<0.5	19	14	1945	4.33	20
A0605690		5.55	0.183	1.7	7.40	12	1120	1.3	2	1.02	<0.5	15	12	1235	3.64	10
A0605692		15.55	0.184	3.9	7.19	52	680	1.3	38	0.89	1.1	12	15	923	7.32	20
A0605693		10.35	0.255	4.7	7.03	49	190	1.2	33	0.28	<0.5	16	14	957	9.98	20
A0613136		5.49	0.013	0.5	10.55	32	2430	1.1	<2	0.84	<0.5	2	6	189	3.88	20
A0613137		5.65	0.067	5.5	10.70	220	2640	1.1	12	0.30	<0.5	<1	5	190	3.76	20
A0613138		4.95	0.018	<0.5	11.25	7	2720	1.3	2	0.62	<0.5	1	5	187	3.51	20
A0613139		5.54	0.047	<0.5	10.80	16	2520	1.3	<2	0.74	<0.5	5	4	326	3.74	20
A0613140		3.45	0.032	<0.5	10.85	7	2640	1.3	<2	1.00	<0.5	6	6	287	4.06	20
A0613141		9.04	0.029	<0.5	9.86	<5	2010	1.3	<2	1.24	<0.5	6	5	427	3.23	20
A0613142		0.10	0.416	15.0	6.86	534	710	0.7	13	5.66	<0.5	28	31	1840	4.92	20



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		K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %
		0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	20	0.01	
A0605683		3.30	40	1.15	534	283	0.44	7	600	9	3.19	<5	13	70	20	0.22
A0605684		3.54	40	1.22	454	206	0.45	6	540	11	2.42	11	13	101	<20	0.23
A0605685		0.02	10	1.16	209	1	0.02	1	60	<2	0.02	<5	<1	90	<20	0.01
A0605686		3.57	40	0.84	238	270	0.06	7	570	20	4.25	10	13	22	<20	0.24
A0605687		3.17	40	0.57	291	520	0.07	11	630	13	3.64	<5	14	41	20	0.23
A0605688		3.73	40	0.94	438	307	0.21	7	650	8	2.81	7	14	177	20	0.25
A0605689		3.55	50	0.76	531	721	0.09	5	570	9	2.80	14	12	65	<20	0.22
A0605690		3.47	30	1.24	404	54	0.53	4	570	10	1.82	5	13	167	<20	0.23
A0605692		3.56	20	0.83	364	55	0.16	3	540	20	7.15	9	12	78	<20	0.21
A0605693		3.55	20	0.52	135	73	0.05	4	470	16	>10.0	11	11	35	<20	0.18
A0613136		2.95	10	0.34	47	2	0.99	4	510	14	0.42	18	9	290	<20	0.11
A0613137		3.97	10	0.34	31	1	0.84	2	470	66	0.40	172	10	195	<20	0.09
A0613138		3.26	10	0.34	36	1	1.31	3	390	24	0.34	10	10	308	<20	0.10
A0613139		3.16	10	0.35	52	3	1.11	4	450	13	0.66	7	10	300	<20	0.11
A0613140		3.29	10	0.41	131	4	1.17	1	380	10	0.59	10	11	313	<20	0.12
A0613141		2.77	10	0.41	51	13	1.48	4	400	12	2.00	5	8	392	<20	0.11
A0613142		1.67	20	1.10	1420	170	1.82	22	650	30	0.37	45	10	431	<20	0.21



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Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Ag-OG62	Cu-OG62	Mo-OG62
		Tl	U	V	W	Zn	Ag	Cu	Mo
		ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 1	% 0.001	% 0.001
A0605683		<10	<10	98	30	120		0.192	0.029
A0605684		<10	10	95	30	64		0.150	
A0605685		<10	<10	2	<10	4			
A0605686		<10	10	103	50	52		0.175	0.028
A0605687		<10	<10	112	40	71		0.276	0.055
A0605688		<10	10	108	40	84		0.193	0.030
A0605689		<10	<10	96	70	48		0.198	0.072
A0605690		<10	<10	95	20	63		0.124	
A0605692		<10	<10	88	20	104			
A0605693		<10	<10	82	20	43			
A0613136		<10	<10	44	10	24			
A0613137		<10	<10	50	10	18			
A0613138		<10	<10	48	10	25			
A0613139		<10	<10	47	10	41			
A0613140		<10	<10	53	10	36			
A0613141		<10	<10	40	10	32			
A0613142		<10	<10	89	10	100	15	0.185	



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CERTIFICATE OF ANALYSIS WH19166537

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Ag-OG62	Au-AA23	Cu-OG62
	ME-OG62	Mo-OG62	
			ME-ICP61



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CERTIFICATE WH19208694

Project: Casino

This report is for 60 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21-AUG-2019.

The following have access to data associated with this certificate:

JACK MCCLINTOCK	HEATHER SEELEY	PAUL WEST-SELLS
-----------------	----------------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
Mo-OG62	Ore Grade Mo - Four Acid	
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH19208694

Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
A0606816		9.57	0.116	0.9	7.27	22	120	1.2	3	0.34	<0.5	11	13	248	5.79	20
A0606817		8.65	0.111	0.7	7.08	11	100	1.0	<2	0.35	<0.5	9	12	188	6.62	10
A0606818		0.47	0.005	0.5	0.09	<5	20	<0.5	<2	33.1	<0.5	<1	1	2	0.11	<10
A0606819		9.71	0.100	<0.5	7.32	5	170	1.1	<2	0.45	<0.5	9	13	216	4.77	20
A0606820		9.14	0.145	<0.5	6.90	9	130	0.9	<2	0.30	<0.5	8	13	95	5.02	10
A0606821		7.79	0.154	0.6	7.60	6	310	1.3	<2	0.70	<0.5	10	12	412	4.11	20
A0606822		10.00	0.103	0.5	7.47	5	90	1.0	<2	0.20	<0.5	10	14	101	6.86	10
A0606823		7.93	0.366	0.7	7.00	43	260	0.8	6	0.10	<0.5	14	13	264	11.35	10
A0606824		0.10	0.573	14.9	5.85	2340	730	0.8	14	5.81	0.7	68	33	3860	4.67	10
A0606825		6.95	0.327	1.5	6.02	24	190	0.7	4	0.08	<0.5	11	22	60	11.20	10
A0606826		9.25	0.182	0.8	6.99	17	90	0.8	<2	0.19	<0.5	11	19	93	6.98	20
A0606827		9.25	0.333	1.0	6.99	31	130	1.1	4	0.81	<0.5	10	14	402	7.70	20
A0606828		9.22	0.189	1.3	6.95	17	90	0.9	5	0.71	<0.5	8	15	291	6.25	10
A0606829		11.13	0.338	0.9	6.91	9	80	0.9	6	0.88	<0.5	10	13	284	6.90	20
A0606830		10.05	0.150	0.8	7.58	13	120	1.2	<2	0.86	1.5	9	20	527	4.95	20
A0606831		4.09	0.100	1.1	7.74	6	240	1.3	2	0.85	1.1	10	12	519	4.19	20
A0606833		8.94	0.076	1.1	7.58	8	130	1.2	<2	1.39	1.1	12	12	365	5.15	20
A0606834		10.28	0.117	<0.5	7.14	<5	100	1.2	2	1.32	<0.5	9	11	389	4.82	20
A0606835		9.42	0.082	<0.5	7.61	5	160	1.4	<2	1.22	<0.5	11	12	174	4.50	20
A0606836		9.56	0.102	<0.5	7.46	<5	130	1.5	2	1.17	<0.5	11	13	306	4.92	20
A0606837		9.79	0.136	<0.5	7.61	<5	140	1.4	<2	0.93	<0.5	11	11	378	4.64	20
A0606838		9.55	0.119	0.7	7.26	<5	200	1.1	3	0.67	<0.5	11	11	392	4.57	20
A0606839		0.25	<0.005	<0.5	0.09	<5	20	<0.5	<2	33.5	<0.5	<1	1	1	0.12	<10
A0606840		10.10	0.173	0.5	7.27	9	120	1.0	<2	0.69	1.2	13	14	182	7.19	20
A0606841		9.48	0.116	<0.5	7.24	<5	110	1.1	<2	0.49	<0.5	9	13	151	5.06	20
A0606842		8.95	0.169	<0.5	7.16	<5	100	1.1	3	0.73	<0.5	10	12	624	4.89	20
A0606843		9.04	0.189	0.6	7.64	<5	110	1.3	<2	1.02	<0.5	13	12	329	4.79	20
A0606844		10.24	0.171	0.8	7.48	7	110	1.4	3	0.98	0.8	11	12	358	4.92	20
A0606845		8.30	0.165	<0.5	7.75	<5	220	1.2	<2	0.61	<0.5	10	12	392	4.36	20
A0606846		9.10	0.097	<0.5	7.76	<5	150	1.0	<2	0.52	<0.5	10	13	258	4.92	20
A0606847		8.87	0.139	0.9	8.00	5	180	1.2	<2	0.61	0.8	10	12	404	4.45	20
A0606848		0.11	0.620	15.8	5.98	2380	750	0.8	13	6.06	0.7	70	34	3930	4.76	10
A0606849		9.75	0.054	<0.5	7.77	6	130	1.1	<2	0.16	<0.5	10	17	150	4.65	20
A0606850		8.98	0.071	<0.5	7.55	<5	90	0.9	2	0.15	<0.5	12	17	84	5.87	20
A0606851		8.61	0.087	<0.5	7.83	7	120	1.0	<2	0.15	<0.5	13	15	116	5.49	20
A0606852		8.85	0.060	<0.5	7.39	15	80	1.0	2	0.30	<0.5	10	15	81	5.65	20
A0606853		4.78	0.074	0.5	7.13	7	120	1.0	<2	0.39	<0.5	10	16	59	5.41	20
A0606854		Listed, NR														
A0606855		8.64	0.048	0.7	7.64	12	220	0.9	<2	0.57	0.8	10	21	63	4.65	20
A0617560		2.03	0.031	1.2	8.49	34	2650	1.2	<2	0.74	<0.5	2	13	74	2.63	20



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CERTIFICATE OF ANALYSIS WH19208694

Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %
		0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
A0606816		3.11	20	0.40	225	1	0.13	3	600	18	6.04	<5	12	21	<20	0.14
A0606817		3.15	20	0.40	158	3	0.13	4	490	7	7.04	<5	10	21	<20	0.13
A0606818		0.03	<10	0.62	88	<1	0.01	<1	60	<2	0.02	<5	<1	85	<20	<0.01
A0606819		3.09	20	0.43	163	2	0.13	2	550	5	4.93	<5	11	26	20	0.14
A0606820		3.13	10	0.31	82	1	0.12	2	470	2	5.45	6	9	22	<20	0.12
A0606821		3.12	30	0.51	277	1	0.12	3	560	9	3.71	<5	11	22	20	0.14
A0606822		3.36	20	0.36	101	2	0.12	1	530	7	7.51	<5	11	35	<20	0.13
A0606823		3.11	20	0.29	20	4	0.09	3	550	8	>10.0	<5	10	31	<20	0.11
A0606824		1.60	10	0.73	1390	328	1.60	26	640	28	0.71	42	6	459	<20	0.14
A0606825		2.72	20	0.24	20	4	0.07	3	430	9	>10.0	7	9	33	<20	0.11
A0606826		3.13	20	0.38	76	2	0.10	5	570	8	7.71	<5	11	49	<20	0.12
A0606827		3.03	20	0.58	198	1	0.10	4	520	12	8.17	<5	11	42	<20	0.13
A0606828		3.14	20	0.53	133	2	0.11	2	520	8	6.66	5	11	35	<20	0.13
A0606829		3.09	20	0.62	258	9	0.11	5	480	8	7.27	<5	10	37	<20	0.12
A0606830		3.08	20	0.63	304	8	0.11	3	570	9	4.96	<5	12	37	<20	0.14
A0606831		3.22	20	0.63	298	1	0.11	2	600	17	4.04	5	12	37	20	0.17
A0606833		3.05	20	0.88	380	2	0.10	3	550	20	4.92	<5	12	36	<20	0.18
A0606834		3.02	20	0.96	153	1	0.09	5	570	6	4.84	<5	12	34	<20	0.17
A0606835		2.65	20	1.27	208	1	0.13	5	590	5	4.03	<5	14	39	<20	0.19
A0606836		2.45	20	1.18	210	15	0.16	5	620	4	4.45	<5	13	45	<20	0.19
A0606837		2.83	20	0.77	144	7	0.11	4	560	7	4.66	<5	12	38	<20	0.15
A0606838		2.98	20	0.51	313	1	0.11	3	560	14	4.68	<5	11	44	<20	0.15
A0606839		0.03	<10	1.31	94	<1	0.02	1	60	<2	0.02	<5	<1	82	<20	0.01
A0606840		3.11	20	0.52	253	1	0.10	5	490	27	7.79	<5	11	24	<20	0.15
A0606841		3.31	20	0.50	95	1	0.13	2	530	4	5.57	<5	12	19	<20	0.16
A0606842		3.03	20	0.66	128	1	0.10	2	520	11	5.20	<5	11	35	<20	0.14
A0606843		2.89	20	0.85	146	1	0.15	3	610	6	4.81	<5	13	36	<20	0.16
A0606844		2.67	20	1.02	329	1	0.53	3	570	15	4.52	<5	12	123	<20	0.21
A0606845		2.90	20	0.59	233	1	0.09	3	600	7	4.30	<5	13	34	<20	0.17
A0606846		3.12	20	0.54	193	1	0.10	4	600	11	5.11	<5	13	31	<20	0.16
A0606847		2.83	20	0.49	317	2	0.07	4	610	23	4.50	<5	13	27	<20	0.18
A0606848		1.62	10	0.75	1405	339	1.63	28	650	24	0.70	44	6	471	<20	0.14
A0606849		2.86	20	0.37	34	2	0.08	4	600	11	5.09	<5	12	26	<20	0.16
A0606850		3.18	20	0.39	24	3	0.09	3	600	11	6.55	<5	14	25	<20	0.19
A0606851		2.99	20	0.36	36	2	0.09	4	600	11	6.04	<5	13	25	<20	0.19
A0606852		2.96	20	0.40	208	1	0.09	4	560	12	6.15	<5	12	25	<20	0.15
A0606853		3.04	20	0.40	271	2	0.10	1	530	12	5.87	5	12	20	<20	0.17
A0606854																
A0606855		3.52	20	0.45	384	7	0.15	4	610	41	4.85	8	14	33	<20	0.22
A0617560		3.40	20	0.44	144	2	0.92	3	390	30	0.20	<5	10	191	<20	0.19



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CERTIFICATE OF ANALYSIS WH19208694

Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Ag-OG62	Cu-OG62	Mo-OG62
		Tl	U	V	W	Zn	Ag	Cu	Mo
		ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 1	% 0.001	% 0.001
A0606816		<10	<10	95	20	49			
A0606817		<10	10	79	20	26			
A0606818		<10	<10	1	<10	<2			
A0606819		<10	<10	87	20	26			
A0606820		<10	10	74	20	15			
A0606821		<10	<10	89	10	41			
A0606822		<10	<10	85	30	22			
A0606823		<10	10	80	30	7			
A0606824		<10	<10	59	<10	107	15	0.391	0.035
A0606825		<10	<10	75	30	9			
A0606826		<10	10	87	20	26			
A0606827		<10	10	83	20	17			
A0606828		<10	<10	86	20	15			
A0606829		<10	<10	84	10	15			
A0606830		<10	<10	93	10	195			
A0606831		<10	<10	98	10	144			
A0606833		<10	<10	94	10	117			
A0606834		<10	<10	94	10	19			
A0606835		<10	<10	100	30	27			
A0606836		<10	<10	101	10	25			
A0606837		<10	<10	94	10	18			
A0606838		<10	<10	90	10	35			
A0606839		<10	<10	2	<10	2			
A0606840		<10	<10	86	20	91			
A0606841		<10	<10	91	20	10			
A0606842		<10	<10	86	20	19			
A0606843		<10	<10	99	20	21			
A0606844		<10	<10	96	10	105			
A0606845		<10	<10	96	10	21			
A0606846		<10	<10	99	20	21			
A0606847		<10	<10	101	10	83			
A0606848		<10	<10	60	<10	111	15	0.389	0.035
A0606849		<10	<10	97	10	23			
A0606850		<10	<10	104	30	18			
A0606851		<10	<10	100	20	28			
A0606852		<10	<10	97	20	26			
A0606853		<10	<10	92	20	48			
A0606854									
A0606855		<10	<10	101	20	75			
A0617560		<10	<10	61	10	32			

***** See Appendix Page for comments regarding this certificate *****



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Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
A0617561		1.77	0.020	1.0	8.29	24	2690	1.1	<2	0.62	<0.5	2	13	69	2.58	20
A0617562		5.17	0.029	0.9	8.50	36	2510	1.2	<2	0.81	0.8	4	17	96	2.60	20
A0617563		0.10	0.382	15.6	6.89	510	720	0.7	12	5.54	0.5	29	30	1825	4.91	20
A0617564		7.63	0.084	0.7	9.19	19	2840	1.3	<2	1.68	<0.5	4	15	295	2.04	20
A0617565		5.81	0.177	1.3	9.60	48	2740	1.3	<2	0.68	<0.5	4	6	471	1.69	20
A0617566		2.97	0.219	1.2	9.73	10	2690	1.5	<2	1.42	<0.5	4	6	567	1.15	20
A0617567		3.29	0.200	7.9	9.24	163	2440	1.3	8	1.74	<0.5	5	6	593	2.17	20
A0617569		7.87	0.144	2.0	7.31	20	2660	1.2	<2	4.42	3.9	8	6	1305	1.73	20
A0617570		8.66	0.172	0.9	8.01	11	2350	1.2	<2	3.96	<0.5	9	6	1285	1.37	20
A0617571		7.83	0.182	5.0	8.28	130	1730	1.3	<2	3.77	2.9	11	5	1735	1.89	20
A0617572		6.25	0.143	1.1	7.90	11	1680	1.2	<2	4.05	<0.5	10	6	1365	1.48	20
A0617573		8.57	0.109	4.0	7.73	60	2190	1.2	<2	4.24	4.2	9	8	1285	1.44	20
A0617574		0.42	0.005	<0.5	0.12	<5	30	<0.5	<2	30.8	<0.5	<1	1	8	0.12	<10
A0617575		6.65	0.184	15.3	8.45	394	560	1.2	3	3.51	65.3	8	6	1580	2.54	20
A0617576		7.95	0.096	1.6	7.25	35	2320	1.2	<2	4.42	0.5	9	7	770	1.49	20
A0617577		8.74	0.104	0.9	7.95	5	2250	1.3	3	4.72	<0.5	8	8	1030	1.71	20
A0617578		6.20	0.166	7.6	7.53	48	1970	1.2	<2	4.89	5.5	7	6	1070	1.82	20
A0617579		7.97	0.168	7.1	6.58	91	1740	1.1	2	5.03	4.6	7	8	1645	1.60	20
A0617580		6.87	0.356	19.5	7.60	878	210	1.1	7	4.09	10.1	9	7	2150	4.00	20
A0617581		5.98	0.329	7.7	8.43	315	410	1.2	2	3.13	17.5	9	5	1415	3.19	20



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To: CASINO MINING CORP C/O WESTERN COPPER
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CERTIFICATE OF ANALYSIS WH19208694

Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %
A0617561		3.45	20	0.40	137	1	0.86	3	350	22	0.22	<5	9	166	<20	0.17
A0617562		3.07	20	0.46	127	2	0.94	6	420	27	0.18	6	9	204	<20	0.18
A0617563		1.68	10	1.08	1395	168	1.79	24	640	28	0.36	38	10	429	<20	0.21
A0617564		2.90	10	0.49	149	28	1.60	4	420	22	0.10	<5	10	361	<20	0.20
A0617565		3.32	10	0.35	92	61	0.83	2	380	19	0.23	5	9	189	<20	0.14
A0617566		3.03	10	0.39	72	58	2.08	4	410	14	0.14	<5	9	382	<20	0.13
A0617567		3.13	10	0.43	128	43	1.14	3	410	226	0.73	17	11	308	<20	0.19
A0617569		2.58	10	0.32	408	48	1.15	5	480	435	1.01	<5	9	350	<20	0.21
A0617570		2.47	10	0.29	194	58	2.34	3	480	14	0.52	<5	10	501	<20	0.20
A0617571		3.54	10	0.43	855	50	0.95	2	460	194	1.61	32	10	201	<20	0.14
A0617572		3.26	10	0.33	495	50	1.29	3	450	16	1.21	<5	9	268	<20	0.15
A0617573		3.29	10	0.35	745	54	0.90	2	460	311	1.11	21	9	340	<20	0.18
A0617574		0.04	<10	1.61	81	<1	0.03	<1	80	<2	0.01	<5	<1	79	<20	0.01
A0617575		4.02	10	0.47	1300	42	0.26	2	470	3870	2.92	57	10	174	<20	0.18
A0617576		2.89	10	0.33	679	39	1.19	4	460	46	0.97	10	8	530	<20	0.17
A0617577		2.34	10	0.39	194	24	2.01	<1	520	20	1.13	<5	11	658	<20	0.21
A0617578		3.19	<10	0.35	1050	40	0.98	2	460	1750	1.53	67	9	683	<20	0.19
A0617579		2.55	10	0.38	1015	81	1.04	6	440	337	1.47	49	8	896	<20	0.16
A0617580		3.61	10	0.50	1920	68	0.25	4	400	511	4.42	89	10	321	<20	0.11
A0617581		4.02	10	0.43	1075	39	0.11	3	410	1120	3.49	32	10	92	<20	0.12

***** See Appendix Page for comments regarding this certificate *****



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CERTIFICATE OF ANALYSIS WH19208694

Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Ag-OG62	Cu-OG62	Mo-OG62
		Tl	U	V	W	Zn	Ag	Cu	Mo
		ppm	ppm	ppm	ppm	ppm	ppm	%	%
		10	10	1	10	2	1	0.001	0.001
A0617561		<10	<10	53	10	26			
A0617562		<10	<10	60	10	36			
A0617563		<10	<10	90	10	99	16	0.180	
A0617564		<10	<10	60	<10	54			
A0617565		<10	<10	52	10	52			
A0617566		<10	<10	47	<10	65			
A0617567		<10	<10	58	10	126			
A0617569		<10	<10	58	10	347		0.123	
A0617570		<10	<10	58	10	41		0.129	
A0617571		<10	<10	52	<10	279		0.168	
A0617572		<10	<10	53	<10	37		0.140	
A0617573		<10	<10	57	<10	430		0.125	
A0617574		<10	<10	2	<10	3			
A0617575		<10	<10	54	<10	6050	15	0.158	
A0617576		<10	<10	53	<10	94			
A0617577		<10	<10	59	<10	26		0.099	
A0617578		<10	<10	58	<10	525		0.102	
A0617579		<10	<10	54	30	451		0.157	
A0617580		<10	<10	51	50	937	18	0.206	
A0617581		<10	<10	50	<10	1735		0.133	



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CERTIFICATE OF ANALYSIS WH19208694

CERTIFICATE COMMENTS									
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.</p> <table border="0"> <tr> <td>CRU-31</td> <td>CRU-QC</td> <td>LOG-21</td> <td>LOG-23</td> </tr> <tr> <td>PUL-31</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-23	PUL-31	PUL-QC	SPL-21	WEI-21
CRU-31	CRU-QC	LOG-21	LOG-23						
PUL-31	PUL-QC	SPL-21	WEI-21						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table border="0"> <tr> <td>Ag-OG62</td> <td>Au-AA23</td> <td>Cu-OG62</td> <td>ME-ICP61</td> </tr> <tr> <td>ME-OG62</td> <td>Mo-OG62</td> <td></td> <td></td> </tr> </table>	Ag-OG62	Au-AA23	Cu-OG62	ME-ICP61	ME-OG62	Mo-OG62		
Ag-OG62	Au-AA23	Cu-OG62	ME-ICP61						
ME-OG62	Mo-OG62								