

#### ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE: GEOCHEMICAL SAMPLING & PROSPECTING REPORT On The GLITTER KING GROUP

TOTAL COST: \$\$6,760.86

AUTHOR(S): Craig A Lynes Prospector

SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): STATEMENT OF WORK EVENT NUMBER(S)/DATE(S: 5663193 2017/SEP/05

YEAR OF WORK: 2017 PROPERTY NAME: GLITTER KING CLAIM NAME(S) (on which work was done): RUSTY PITT # 1031806, PYRITE CREEK , 1032332

COMMODITIES SOUGHT: Ag-Cu - Zn-Au

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 103H 066 Name PIT TRINITY

MINING DIVISION: Skeena BCGS Map 103H071 - NTS Map103H12W Latitude 53° 42' 04" N – Longitude 129° 52' 36" W

Northing 5950625 Easting 442125

OWNER(S): Craig A Lynes

MAILING ADDRESS: PO BOX 131, GRINDROD BC, V0E1Y0

OPERATOR(S) [who paid for the work]: American Creek Resources

MAILING ADDRESS: #92 \* 2nd Avenue West Cardston, AB TOK 0K0

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. The map area is underlain by gneissic granitoid rocks and the remainder by metasedimentary and metavolcanic rocks. The oldest stratified rocks are the granitoid gneisses (pre-Permian age) which underlie extensive areas of the Coast Plutonic Complex (Roddick, 1970). Roddick et al (1970) show Pitt Island to be partly underlain by a narrow pendant of biotitequartz- feldspar-chlorite schist, biotite schist (locally garnetiferous) and amphibolite with minor crystalline limestone, pebble-conglomerate, micaceous quartzite and phyllitic schist. This belt also hosts several pyrite-rich, stratiform, semi-massive to massive sulphide showings in the Pyrite Creek Zone and the Pitt Zone.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: EMPR ASS RPT 10713, 11207, \*15674, 18315, 19729

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of sampl	es analysed for …) 38 elem ICP	4004000	
Rock	07	1031806	\$2,518.00
Silt/Soil			
DRILLING (total metres, number of	holes, size, storage location)		
Core			
Non-core			
RELATED TECHNICAL Sampling / Assaying			\$614.22
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)	50 Ha	1031806 1032332	\$2,000.00
PREPATORY / PHYSICAL Line/grid (km)			
Topo/Photogrammetric (sca	ale, area)		
Legal Surveys (scale, area)			
Road, local access (km)/tra	il		
Trench (number/metres)	2 x 1 x 2 m	1031806 1032332	\$1628.64
Underground development	(metres)		
Other			
		TOTAL COST	\$6,760.86

### GEOCHEMICAL SAMPLING & PROSPECTING REPORT

On The

### GLITTER KING GROUP

# PITT ISLAND

## SKEENA MINING DIVISION

# BRITISH COLUMBIA

## BCGS Map 103H071 - NTS Map103H12W

Latitude 53° 42' 04" N - Longitude 129° 52' 36" W



BC Geological Survey Assessment Report 37099

For: American Creek Resources Ltd.

By

Craíg A. Lynes

Prospector

Rich River Exploration Ltd.



November 15, 2017

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# INTRODUCTION

The contents of this report describe the recognisance sampling type field work completed on certain portions of the Glitter King project owned by Craig A Lynes. The property is currently under option to American Creek Resources Ltd. Box 70 #92, 2nd Ave West Cardston Alberta T0K 0K0, Canada info@americancreek.com

American Creek is the operator and they are funding the work described in this report. Work was completed by crews employed by Rich River Exploration Ltd.

A total of 2 person days were spent locating and sampling forested and alpine areas for outcrops with signs of visible mineralization and alteration associated with a known massive sulphide horizon previously known as the Pitt or Trinity property.

This massive sulphide deposit is known to be present within a favourable package of rocks. The sulphides form a concordant, steeply dipping zone, between micaceous quartzite and quartz-muscovite schist, 20 to 30 metres from an intrusive contact. The massive sulphide schist band is exposed along Pyrite Creek for 300 metres, over a vertical range of 170 metres, at an average width of one metre.

Past exploration on the property has resulted in the discovery of very good grades of base and precious metal mineralisation.

The 2017 program focused on sampling along the main trend and workings (pyrite creek) as well as grass roots prospecting and sampling of two other target areas defined by previous airborne geophysics. Extremely stormy weather forced a shorter exploration program than planned for, however the program was successful in visiting and sampling the Team Zone area, which is located along the main mineralised trend.

Helicopter supported prospecting near this zone resulted in the discovery of massive sulphides. Heavily mineralised angular massive sulphide boulders were discovered in two locations hosted in micaceous quartzite and quartz-muscovite schist.

# CLAIM OWNERSHIP AND STATUS

\*Good to date pending acceptance of this report

Tenure Number	<u>Type</u>	<u>Claim Name</u>	<u>Good Until</u>	<u>Area</u> (ha)
<u>1031790</u>	Mineral	SULPHIDE PIT	20181030	19.1424
<u>1031796</u>	Mineral	PYRITE PITT	20181030	19.1406
<u>1031806</u>	Mineral	RUSTY PITT	20181030	19.1425
<u>1032332</u>	Mineral	PYRITE CREEK	20181030	19.1443
<u>1032997</u>	Mineral	SOUTH PITT	20181030	19.1444
<u>1033510</u>	Mineral	SOUTH PYRITE	20181030	19.1443
<u>1046574</u>	Mineral	SPARKLE KING	20181030	229.6151
<u>1046618</u>	Mineral	GLITTER KING	20181030	957.0348

Total Area: 1301.5084 ha



# BC General Location Map



# LOCATION – ACCESS – PHYSIOGRAPHY

The Pit Island VMS project is located approximately 90 kilometers south-southeast of Prince Rupert on Pitt Island, which is one of the uninhabited islands of the BC northwest coast. Pitt Island is bounded on the east by Grenville Channel which is part of the inside channel shipping route. The property is centered at latitude 53' 43' and longitude 129' 52'

The Pitt/Trinity property is located in the Coastal Mountains of northwestern British Columbia. The centre of the claim block is located 73 km south of Prince Rupert. The property lies along the northeastern edge of Pitt Island opposite Ormond Point on the Grenville Channel. There is limited logging activity on the northern and southern portions of the 80-km long island.

Access to the property is via helicopter or by boat. Flight time from Prince Rupert is about point five of an hour. Topographic relief varies from moderately flat in the outer portion of the island to mountainous and locally very rugged in the interior. The climate is generally mild and very wet. The entire property is densely vegetated by rain forest.

Elevations on the property range from sea level to over 800 m. Bedrock exposure are generally good along steeply incised creek gullies and on most ridgetops.

Typical Physiographic nature of the Glitter King area. Shot is looking north west across the Pitt Zone



Figure 6. View of rusty quartz-sericite schist along the Pitt zone linear.

# REGIONAL TERRAIN MAP



Fig. 1. Location of the Alexander terrane and BC North Coast project 2009-2012.

# PREVIOUS EXPLORATION HISTORY

The exploration history is summarized as follows:

1980: A massive sulphide occurrence was discovered on Pyrite Creek by Ryan Exploration Company Ltd. (a subsidiary of US Borax) while conducting regional reconnaissance work along coastal B.C. The Pit claim was staked.

1981: Limited field work conducted on the claim.

1982: Evaluation of the property included mapping at 1:5000 and 1:1000 scale, rock sampling, prospecting and a VLF EM-16 (17.3 line-km) geophysical survey. The Pyrite Creek area was mapped as part of a B.Sc. thesis by B. McDonald. The highest assay reported was 7.8% Cu, 1.6% Pb, 8.7% Zn, 126 g/t Ag and 8.9 g/t Au.

1983: B. McDonald completed a B.Sc. thesis (U.B.C.) on the geology and opaque mineralogy of the main showing and host rocks along the Pyrite Creek avalanche gully.

1986: 1987: 1988 : 1989 : 1991:

The Pit claim lapsed. The main showing area was restaked by B. McDonald and R. Haslinger as the Trinity #l and #2 claims and subsequently optioned to BP Resources Canada Limited in April, 1986. The Gren claims were staked and BP Selco conducted regional mapping at 1:10,000 scale, prospecting, stream sediment sampling of the major drainages, limited soil sampling and detailed mapping and chip sampling of the Pyrite Creek sulphide zone. The massive sulphide exposures were mapped over a strike length of 300 m.

No work was conducted and the option was dropped by BP Resources due to the low precious metal content of the massive sulphide zone. The property was optioned by Fair Harbour Mining Corporation and they completed a 2.6 line-km IP survey. They interpreted the sulphide-rich zone to extend at least 300 m further to the southeast from upper Pyrite Creek. Drilling was recommended. A six-hole BQ diamond drill program totalling 494 m was carried out to test the source of the IP anomalies and the down-dip continuity of the mineralization.

Drilling intersected the zone over a 200 m strike length and to a depth of 70 m. The best drill intercept was 2.2% Cu, 1.2% Pb, 4.9% Zn, 44.6 g/t Ag and 0.31 g/t Au over 2.1 m. Atna Resources Ltd. staked the Pitt Claims. Atna Resources and Fair Harbour Mining each acquired 50% interest in the combined property. Into Limited optioned the Pitt/Trinity claim group from Atna and Fair Harbour in December, 1991.

Work Summary Continued

Field work was carried out during four periods in 1992 by Into Exploration and Technical Services Inc. A helicopter-borne electromagnetic and magnetic survey was flown over the property in May, 1992.

The survey results are reported in a geophysical assessment report by B. Lo (1992). Between June 1 and June 30, a 4-person crew conducted mapping at 1:10000, 1:2000 and 1:500 scales, prospecting, rock sampling and hand trenching.

Two camps were established to facilitate this program. During the period August 19 to September 4, field work included follow-up prospecting of several airborne EM anomalies, rock and moss-mat sampling, mapping. claim staking and Day trips by a 4-person crew were made by helicopter from Prince Rupert to complete this work.

The BSL 1 and BSL 2 claims were staked to cover the northwesterly strike extension of two parallel airborne EM anomalies known as the B Zone. The Gran claim covers a gap between the Trinity and Pitt claim blocks.

A camp was established near the B Creek sulphide discovery and between September 25 and October 19, the following field work was carried out on the B Zone: grid layout, 9.5 line-km of line-cutting, 8.9 line-km of geophysics (horizontal-loop EM, magnetics and VLF), rock sampling, moss-mat stream sediment sampling and mapping at 1:2000 scale. A total of ten moss-mat stream sediment and 348 rock samples were collected.

### REGIONAL GEOLOGY AND MINERAL SHOWINGS

Nelson, Diakow, van Staal and Chipley



# **REGIONAL GEOLOGY**

The property lies on the western edge of the coast Plutonic Complex and is partly underlain by several pendants of highly metamorphosed sedimentary and volcanic rocks of the Lower Paleozoic Alexander Terrane.

The Douglas Channel-Hecate Strait area was mapped by the Geological Survey of Canada in the early-to mid-1960. They noted that approximately 85% of the map area is underlain by gneissic granitoid rocks and the remainder by metasedimentary and metavolcanic rocks. The oldest stratified rocks are the granitoid gneisses (pre-Permian age) which underlie extensive areas of the Coast Plutonic Complex (Roddick, 1970).

Roddick et al (1970) show Pitt Island to be partly underlain by a narrow pendant of biotitequartz-feldspar-chlorite schist, biotite schist (locally garnetiferous) and amphibolite with minor crystalline limestone, pebble-conglomerate, micaceous quartzite and phyllitic schist. The pendant rocks display a prevailing northwest trend and a steep northeast to vertical dip. The metamorphic grade is garnet-amphibolite All rock types have undergone extensive deformation and recrystallization and are highly schistose.

### PROPERTY GEOLOGY

The convention used to describe the metamorphic rocks discussed in this report names the minerals in decreasing order of abundance. Thus, a muscovite-quartz-biotite schist contains more muscovite than biotite. The metasedimentary-metavolcanic rocks occur as northwest striking, steeply-dipping screens and pendants measuring several 100's of metres wide and at least 16 km along strike.

These rocks are enclosed in and intruded by unfoliated to strongly foliated to gneissic biotite granodiorite, diorite, quartz diorite and quartz monzonite Three principal metamorphic pendant belts occur on the property.

The East Belt, up to 350 m wide, hosts the B Zone sulphide occurrences and is characterized by pyritic quartz biotite schist with intercalated carbonaceous argillite. The strike extension of this belt, as identified on air photos, extends onto the Pitt 2 claim. The Central Belt, up to 1050 m wide, is dominated by feldsparbiotite- quartz grit schist (locally carbonaceous), biotitechlorite schist, garnet-bearing biotite-muscovite schist and minor quartzite. The West Belt, between 50 - 500 m wide, is characterized by biotite-quartz schist, pyritic muscovite-quartz schist, micaceous quartzite, discontinuous amphibolite dykes and lenticular granitic boudins.

This narrow belt of deformed metavolcanic and metasedimentary rocks coincides with a major fault(?) lineament (Pyrite Creek Lineament) that is prominent on air photos. This belt also hosts several pyrite-rich, stratiform, semi-massive to massive sulphide showings in the Pyrite Creek Zone and the Pitt Zone. The contact between the pendant rocks and the foliated to gneissic plutonic rocks ranges from sharp to gradational.



## **REGIONAL GEOLOGY MAP**



Fig. 6. Detailed geologic map of the Pitt prospect and vicinity. Geology from Bohme (1993) and field observations in 2011. Location of Pb isotopic samples shown (11LDi02-01). U-Pb age, M. Pecha, unpublished data 2011.

The Pyrite Creek Zone of mineralization lies parallel to and within 3 to 20 m of the Pyrite Creek Lineament. This lineament is parallel to the trend of the Grenville Channel Fault. Both ductile (slickensides, gouge) and brittle deformation (discordant fracturing) is evident in several localities along the Pyrite Creek lineament. There is no clear evidence for offset. Polished slickensides measured at South Pyrite Creek strike 160" and plunge 75\* to the southwest.

Stretched and attenuated granitic boudins, up to 15 m long, are associated with the Pyrite Creek structural zone. These dyke-like bodies are muscovite-rich and locally pegmatitic. Discordant quartz-filled, brittle fractures were observed in a few places along Pyrite Creek. The sequence (muscovite schist/quartzite in the hanging wall and biotite schist/amphibolite in the footwall) that hosts the sulphide zone at Pyrite Creek is cut off by a granodiorite pluton just northwest of Easy Creek. The pluton forms a pronounced bow in the West Belt.

Contacts observed in this area, particularly between the pyritic muscovite schist and the intrusive, are sharp. The Pyrite Creek Lineament does not parallel the contact in this area but transects the intrusive body for two kilometres. On the Pitt 2 and 4 claims, the lineament is marked by dykes, pyrite-bearing muscovite-quartz schist and biotite-rich rocks similar to those mapped in the Pyrite Creek gully. The foliation is locally sheared and highly contorted. The quartzite and amphibolite units are not present within the West Belt northwest of Easy Creek.



Rusted sulphide zone in pyrite creek. Photo by C. Lynes August 2017

## MINERALISATION

The **Team, Meadow Creek, South Pyrite Creek, Channel and B Creek Showings** are base-metal discoveries made during the 1992 field season. The Junction, Team and Meadow Creek and South Pyrite Creek Showings comprise the Pyrite Creek Zone. The Talus and Slide showings are the principal mineral occurrences within the Pitt Zone. Both showings lie along the projected northwest strike length of the Pyrite Creek Lineament.

### **Pyrite Creek Zone**

The Pyrite Creek Zone is characterized by a stratiform, elongate, semi-massive to massive sulphide zone exposed intermittently over a strike length of 1.7 km and vertical dimension of 0.45 km (Figure 4). True thickness varies between 0.2 - 1.6 m (pinch and swell) and the sulphide zone dips steeply to the southwest.

Massive sulphide mineralization (predominantly pyrite with lesser chalcopyrite, sphalerite, galena, pyrrhotite and covellite) appears to be contained within a lithologic sequence with quartzite, pyritic muscovite-quartz and intercalated biotite **schist in** the structural hanging wall and biotite-quartz schist, amphibolite and minor muscovite schist in the structural footwall. Local structural complexities are evident at the Team Showing area. In all cases, the massive sulphide zone lies within 5 to 20 m of and parallel to the contact between the pendant rocks and the granodiorite.

#### **Junction Showing**

The Junction Showing, defined by mapping as a 50 by 10 m area along Pyrite Creek, contains several important characteristics different from rest of the Pyrite creek Zone These features include a thickening of the massive sulphide zone, massive chalcopyrite-rich mineralization, thin cherty siliceous bands within the muscovite/sericite-quartz-pyrite schist in the hanging wall and chloritization of biotite in the footwall. This area has also produced the best gold grades.

BP Selco mapped two massive sulphide bands, each about 1 to I.5 m wide, separated by a 2 m thick band of muscovite-quartzpyrite schist. Detailed mapping by Into indicates that the pyrite-rich muscovite schist interband is a shear zone that cuts the massive sulphide zone. The shear zone fabric is slightly oblique to the strike of the massive sulphide zone and the schistosity developed in the surrounding schists. Within the shear zone, the massive sulphides are deformed by both ductile and brittle deformation such that they have been sliced into several small semi-massive sulphide lenses separated by narrow zones of highly schistose pyrite-rich muscovite schist. This muscovite-pyrite schist band also carries large granitoid(?) clasts and elevated base metal values (up to 7286 ppm Cu, 3860 ppm Pb and 2373 ppm Zn).

Bradley (1986) reported the average of ten channel samples across the thicker, central section of the zone as follows: 2.32% Cu, 0.57% Pb, 2.53% Zn, 52.0 g/t Ag and 0.48 g/t Au.

Into collected 20 rock chip samples from the same area and obtained comparable results. The average grade of two adjacent chip samples (RX 51614 and 51616) is 4.57% Cu, 0.53% Pb, 1.69% Zn and 47.4 g/t Ag over a 1.7 m width. The mineralization is also anomalous in MO (118 ppm), Bi (147 ppm) and Ba (23,801 ppm).

### **Team Showing**

Hand trenching downslope from an IP anomaly led to the discovery of the Team Showing, Upper Team Showing and the Lower Team Showing . The Pyrite Creek Lineament is evident by the well-developed shear fabric in the pyrite bearing muscovite schist at the Upper Team and Team Showings. Micaceous quartzite, muscovite schist and discrete zones of biotite-quartz-pyrite schist (locally epidote-altered) occur in the structural hanging wall of the massive sulphide zone.

The Team Showing massive sulphide occurs within the hinge of a tight isoclinal, vertically plunging fold resulting in minor thickening. The massive sulphide contains pyrite, chalcopyrite, covellite, bornite(?), galena and sphalerite, and is enclosed within a strongly foliated and locally sheared muscovite-quartz-pyrite schist. A small-scale fold is apparent by the converging attitude of the enclosing schists and the folded fabric of the massive sulphides.

The weighted average of two chip samples (0.75 m and 0.45 m) produced 1.2 m averaging 4.46% Cu, 1.02% Pb, 7.06% Zn, 102.9 g/t Ag and 1.85 g/t Au.

The mineralization is highly anomalous in Ba and Hg, (up to 41000 ppm and 39 ppm, respectively) and moderately anomalous in MO (167 ppm), Sb (39 ppm), As (16 wml, Cd (575 ppm) and Bi (64 ppm).

### Lower Team Showing

This exposure is a strongly schistose, contorted and tightly folded strike extension of the Team Showing. Quartz-rich granitoid clasts crudely outline several small-scale folds, particularly in the muscovite schist. Mineralization consists of semi-massive, contorted pockets of chalcopyrite, pyrite, pyrrhotite, covellite mineralization with lesser galena and sphalerite.

A 2 m chip sample across the widest section of the massive sulphide mineralization contains 1.24% Cu, 3.31% Pb, 3.27% Zn and 39.0 g/t Ag. This sample is also anomalous in MO (85 ppm), Bi (40 ppm), Cd (234 ppm), Hg (18 ppm) and Ba (21,163 ppm).

### **Meadow Creek Showing**

This showing is located 100 m southeast of the Team Showing and consists of fracturecontrolled sulphides in granodiorite and several gossanous galena-sphalerite-bearing angular float boulders in a skarn altered host. Two gullies in the area expose friable, sheared, muscovite-quartz schist and

hornfelsed biotite-epidote-pyrite schist. Narrow (0.5 - 3 m) pyritic biotite-epidotecarbonate screens are apparent at one locality and they carry elevated base-metal values of up to 3665 ppm Cu, 1208 ppm Pb and 6236 ppm Zn. One specimen described as a silicified quartzite(?) contains banded, fine-grained, galena and sphalerite.

Analytical results for the corresponding sample are 0.44% Cu, 2.59% Pb, 4.98% Zn, 212.2 g/t Ag, 719 ppm Sb and 16,620 ppm Ba. Copper values are less than 0.45% for all samples. The sulphide textures and mineralogy (high galena, low chalcopyrite content) are distinctly different from the mineralization elsewhere in the Pyrite Creek Zone.

### South Pyrite Creek Showing

A short but notable airborne EM anomaly led to the discovery of several polymetallic, clast-rich massive sulphide occurrences along a steeply incised creek gully known as South Pyrite Creek. Several large massive sulphide boulders were discovered near the mouth of, the creek. The lowest exposure of the sulphide zone occurs at an elevation of 210 m.



Old Drill Core Glitter King Property

# 2017 SAMPLING PROGRAM

In August of 2017 a crew consisting of Craig Lynes and Allan Stark of Rich River Exploration Ltd. was mobilized to Prince Rupert BC.

On August 20<sup>th</sup> 2017 the crew flew to Pitt Island in an A STAR helicopter operated by Helijet Ltd. out of Prince Rupert. Pyrite Creek and the previously explored mineralised area were located.

A traverse was made along the zones and seven samples were taken of mineralised rock.

# Sample Descriptions.

Sample No	Easting	Northing	Remarks
GK-17R01	442336	5950564	Subcrop Qtz mica shist with disseminated Po, Py
GK-17R02	442336	5950564	Grab Outcrop micaceous quartzite
GK-17R03	442372	5950541	Out Crop in creek micaceous quartzite with layered sulphides
GR-17R04	442438	5950469	Grab Angular Float white sucrosic quartz with 20% disseminated sulphides
GK-17R05	442616	5950324	Grab Angular Float in north Zone rusty micaceous quartzite with disseminated sulphides
GK-17R06	442631	5950328	Subcrop float biotite gneiss with diss sulphides
GK-17R07	442633	5950330	Angular float Massive sulphide in quartzite

# Significant Results

g Au	Cu	Fe	Ni	Pb	Zn	Cu
n ppm	ppm	%	ppm	ppm	ppm	%
4 <0.02	108	1.61	1.7	2.5	9	
8 <0.02	222	2.26	3.3	2.4	13	
3 <0.02	784	4.48	60.8	0.5	18	
1 <0.02	277	1.79	6.1	32.6	89	
5 0.21	4610	3.46	5.3	3530	5.80%	
9 0.32	>10000	2.59	3.2	7840	2.48%	1.155
0 0.19	>10000	19.9	42.5	1.12%	6.94%	1.515
	vg   Au     m   ppm     04   <0.02	AgAuCumppmppm04<0.02	NgAuCuFemppmppm%04<0.02	NgAuCuFeNimppmppm%ppm04<0.02	NgAuCuFeNiPbmppmppm%ppmppm04<0.02	NgAuCuFeNiPbZnmppmppmppmppmppmppm04<0.02



# REFERENCES

Bradley, W., 1987, Report of exploration on the Trinity

Property, BP Resources Canada: B.C.M.E.M.P.R. Assessment Report 15647, 57 p.

Burrows, D. R., 1992, Report on two polished thin sections of semi-massive mineralization from Pyrite Creek: internal report, Into Exploration and Technical Services Inc., 2 p. DeLancey, P. R., 1991, Summary report on the Pitt Claims, Atna Resources Ltd.: internal report, 2 p.

DeLancey, P. R., 1992, Summary report and data package on the Pitt/Trinity Property: internal report, 6 p. Gareau, S. A., 1989, Metamorphism, deformation and geochronology of the Ecstall-Quaal rivers area, Coast Plutonic Complex, British Columbia: Current Research, part E, Geological Survey of Canada, Paper 89-IE,

PP. 155-162.

Gareau, S. A., 1990, The Scotia Metamorphic Belt: a distinct assemblage with pre-early Late Cretaceous deformational and metamorphic history, Coast Plutonic Complex, B.C.: Canadian Journal of Earth Sciences, Vol. 28, P- 870-880.

Lo, B. H., 1992, Geophysical Report on an Helicopter borne

Electromagnetic and Magnetometer Survey at the Pitt/Trinity Property, B.C.: B.C.E.M.P.R. Assessment Report 22475,12 p.

Rebagliati, C. M., 1989, Assessment Report on the Trinity

Property of Fair Harbour Mining Corporation, Rebagliati Geological Consulting Ltd.: B.C.M.E.M.P.R. Assessment Report 18315, 10 p.

Rebagliati, C. M., 1990, 1989 Phase l-Diamond Drill Program, Trinity Project, Fair Harbour Mining Corporation: B.C.M.E.M.P.R. Assessment Report 19729, 12 p.

Roddick, J. A., 1970, Douglas Channel Hecate Strait Map-Area

British Columbia: Geological Survey of Canada, Paper 70-41, 56 p.

Vokes, F. M., 1963, A Review of the Metamorphism of sulphide deposits: Earth-Science Review, V. 5, p. 99-143.

# **DISSCUSSION AND RECCOMENDATIONS**

Further exploration is warranted for base-metal mineralization on the Glitter King property. Recommendations are as follows:

A lithogeochemical alteration study supplemented by petrographic work is recommended to interpret the alteration of the host rocks. Based on the results of this study, further geological work may be required on the Pyrite Creek Zone and other areas in order to select the best drill targets.

The northernmost moss-mat stream sediment anomaly at the B Zone requires follow-up prospecting. Several horizontal-loop EM conductance responses also warrant further investigation. Prospecting and detailed mapping is warranted for areas of the B Zone where conductive responses were detected. A beep map survey would be useful to delineate other sulphide areas of the property.

Previous drilling has demonstrated the strike and dip continuity of the polymetallic mineralization over a 200 m strike length and 70 m down-dip. Additional drilling is recommended to explore down-dip and along strike.

# SUMMARY OF EXPENSES AND COST STATEMENT

<b>Personnel / Position</b>	Field Days	Days	Rate	Sub Total	Total
Craig Lynes / Prospector	Aug. 20	1	\$550.00	\$550.00	\$550.00
Alan Stark / Prospector	Aug. 20	1	\$500.00	\$500.00	\$500.00
LABOUR					\$1,050.00
EXPENCES					
Meals /Accommodation Travel- 8 person days	Aug. 18 Aug. 21	8 person Days	\$160.00		\$1,280.00
Truck Rental 1 4x4 vehicle	Aug. 18 Aug. 21	4 Days	\$200.00		\$800.00
Fuel					\$650.80
Assay Costs plus shipping					\$449.35
Radios Sat Phone etc.	Aug. 20	1 days	\$100.00		\$100.00
Consumables Bags, Tags Batteries etc.					\$140.40
Data Compilation and Reporting					\$1.500.00
HELIJET PRINCE RUPERTBC					\$ 3,325.88
Total Program Expenses					\$9,295.63
Total Program claimed					\$6,760.86



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### CERTIFICATE VA17186428

Project: Glitter King

This report is for 7 Rock samples submitted to our lab in Vancouver, BC, Canada on 1-SEP-2017.

The following have access to data associated with this certificate:

CRAIG LYNES

To: RICH RIVER EXPLORATION LTD. PO BOX 131 GRINDROD BC VOE 1Y0 Page: 1 Total # Pages: 2 (A - D) Plus Appendix Pages Finalized Date: 18-SEP-2017 This copy reported on 16-NOV-2017 Account: RCHRIV

	SAMPLE PREPARATION									
ALS CODE	DESCRIPTION									
WEI-21	Received Sample Weight									
CRU-21	Crush entire sample >70% -6 mm									
LOG-22	Sample login - Rcd w/o BarCode									
PUL-31	Pulverize split to 85% <75 um									
SPL-21	Split sample - riffle splitter									
PUL-QC	Pulverizing QC Test									
	ANALYTICAL PROCEDUR	ES								
ALS CODE	DESCRIPTION									
ME-MS41	Ultra Trace Aqua Regia ICP-MS									
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES								
Cu-OG46 Ore Grade Cu - Aqua Regia ICP-AES										

TO: RICH RIVER EXPLORATION LTD. ATTN: ALS GEOCHEMISTRY

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.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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



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#### To: RICH RIVER EXPLORATION LTD. PO BOX 131 GRINDROD BC VOE 1Y0

Page: 2 - A Total # Pages: 2 (A - D) Plus Appendix Pages Finalized Date: 18-SEP-2017 Account: RCHRIV

Project: Glitter King

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.02	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1	ME-MS41 Cs ppm 0.05
GK-17R01		1.30	0.04	0.58	0.5	<0.02	<10	240	0.06	0.08	0.06	0.02	6.67	10.0	3	0.13
GK-17R02		1.46	0.08	0.71	0.2	<0.02	<10	210	0.06	0.12	0.06	0.01	4.85	8.9	3	0.16
GK-17R03		1.08	0.23	0.67	0.3	<0.02	<10	10	0.12	0.26	0.60	0.06	3.35	70.7	14	<0.05
GK-17R04		0.90	1.01	0.47	1.4	<0.02	<10	30	0.05	0.30	0.13	0.56	19.75	8.5	6	0.30
GK-17R05		1.72	14.85	0.45	8.3	0.21	<10	110	<0.05	2.53	0.18	378	5.93	3.0	5	0.34
GK-17R06		2.48	32.9	0.55	13.7	0.32	<10	90	0.13	21.0	0.13	161.5	9.76	1.5	9	0.13
GK-17R07		1.66	60.0	1.03	28.6	0.19	<10	40	0.46	36.8	0.27	395	0.87	35.9	8	0.25



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Page: 2 - B Total # Pages: 2 (A - D) Plus Appendix Pages Finalized Date: 18-SEP-2017 Account: RCHRIV

Project: Glitter King

Sample Description	Method Analyte Units LOR	ME-MS41 Cu ppm 0.2	ME-MS41 Fe % 0.01	ME-MS41 Ga ppm 0.05	ME-MS41 Ge ppm 0.05	ME-MS41 Hf ppm 0.02	ME-MS41 Hg ppm 0.01	ME-MS41 In ppm 0.005	ME-MS41 K % 0.01	ME-MS41 La ppm 0.2	ME-MS41 Li ppm 0.1	ME-MS41 Mg % 0.01	ME-MS41 Mn ppm 5	ME-MS41 Mo ppm 0.05	ME-MS41 Na % 0.01	ME-MS41 Nb ppm 0.05
GK-17R01		108.0	1.61	2.45	<0.05	0.08	<0.01	0.012	0.22	3.1	1.5	0.24	135	0.44	0.11	0.70
GK-17R02		222	2.26	3.01	<0.05	0.10	<0.01	0.015	0.28	2.2	1.7	0.29	149	0.41	0.12	0.70
GK-17R03		784	4.48	2.66	0.12	0.04	<0.01	0.016	0.03	1.4	0.8	0.35	238	0.77	0.12	0.12
GK-17R04		277	1.79	2.66	0.07	0.04	0.01	0.041	0.28	9.2	3.3	0.33	257	3.47	0.10	0.05
GK-17R05		4610	3.46	5.61	0.08	0.04	17.60	2.28	0.28	2.1	6.2	0.12	494	7.27	0.05	1.55
GK-17R06		>10000	2.59	6.09	0.09	0.10	10.50	0.895	0.24	3.8	1.7	0.13	240	25.4	0.08	0.89
GK-17R07		>10000	19.90	25.7	0.52	0.04	36.3	2.28	0.38	0.2	1.0	0.28	341	97.1	0.04	1.34



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Page: 2 - C Total # Pages: 2 (A - D) Plus Appendix Pages Finalized Date: 18-SEP-2017 Account: RCHRIV

Project: Glitter King

Sample Description	Method	ME-MS41														
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	%							
	LOR	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
GK-17R01		1.7	20	2.5	8.1	0.002	0.65	<0.05	2.3	1.0	0.3	15.6	<0.01	0.14	1.1	0.048
GK-17R02		3.3	10	2.4	11.4	0.004	1.16	<0.05	2.7	1.6	0.4	16.4	<0.01	0.26	0.9	0.059
GK-17R03		60.8	540	0.5	0.6	0.012	2.79	<0.05	5.1	4.0	0.2	13.8	<0.01	0.98	0.3	0.104
GK-17R04		6.1	470	32.6	17.2	0.006	1.71	0.24	7.2	0.7	0.3	4.6	<0.01	0.11	2.9	0.025
GK-17R05		5.3	690	3530	14.9	0.004	4.72	9.36	2.6	5.6	0.3	5.9	<0.01	0.24	2.8	0.042
GK-17R06		3.2	310	7840	9.1	0.022	3.08	23.2	2.3	6.0	1.7	18.0	<0.01	2.05	3.3	0.030
GK-17R07		42.5	560	>10000	14.8	0.038	>10.0	31.3	3.2	23.6	3.1	12.6	<0.01	3.65	<0.2	0.086



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Page: 2 - D Total # Pages: 2 (A - D) Plus Appendix Pages Finalized Date: 18-SEP-2017 Account: RCHRIV

Project: Glitter King

Sample Description	Method Analyte Units LOR	ME-MS41 TI ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5	Cu-OG46 Cu % 0.001			
GK-17R01 GK-17R02 GK-17R03 GK-17R04 GK-17R05		0.06 0.07 0.03 1.08 1.28	2.54 4.33 0.14 0.79 12.60	13 14 50 23 18	<0.05 <0.05 0.08 <0.05 0.07	0.96 0.89 5.12 5.08 8.41	9 13 18 89 >10000	3.0 3.6 0.7 1.3 0.7				
GK-17R06 GK-17R07		1.21 1.69	9.22 9.10	18 37	0.10 0.43	4.21 5.67	>10000 >10000	2.1 1.0	1.155 1.515			



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Project: Glitter King

		CERTIFICATE COMMENTS									
Applies to Method:	<b>ANALYTICAL COMMENTS</b> Fold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). ME-MS41										
		LABORATORY AD	DDRESSES								
	Processed at ALS Vancouver located a	t 2103 Dollarton Hwy, North Vancouv	ver, BC, Canada.								
Applies to Method:	CRU-21 ME-OG46 WEI-21	Cu-OG46 PUL-31	LOG-22 PUL-QC	ME-MS41 SPL-21							



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#### CERTIFICATE VA17201150

Project: Glitter King

This report is for 3 Rock samples submitted to our lab in Vancouver, BC, Canada on 19-SEP-2017.

The following have access to data associated with this certificate:

CRAIG LYNES

SAMPLE PREPARATION							
ALS CODE	DESCRIPTION						
FND-02	Find Sample for Addn Analysis						
ANALYTICAL PROCEDURES							
ALS CODE	DESCRIPTION	INSTRUMENT					
Pb-OG46	Ore Grade Pb - Aqua Regia	ICP-AES					
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES					
Zn-OG46 Ore Grade Zn - Aqua Regia		ICP-AES					

TO: RICH RIVER EXPLORATION LTD. ATTN: ALS GEOCHEMISTRY

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.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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



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Page: 2 - A Total # Pages: 2 (A) Plus Appendix Pages Finalized Date: 24-SEP-2017 Account: RCHRIV

Project: Glitter King

Sample Description	Method Analyte Units LOR	Pb-OG46 Pb % 0.001	Zn-OG46 Zn % 0.001	
GK-17R05 GK-17R06 GK-17R07		1.120	5.80 2.48 6.94	



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Project: Glitter King

	CERTIFICATE COMMENTS									
Applies to Method:	LABORATORY ADDRESSES   Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.   FND-02 ME-OG46 Pb-OG46 Zn-OG46									

# QUALIFICATIONS

I Craig A. Lynes am the author of this report and have completed college courses in mineral exploration, mineralogy and earth sciences at Selkirk College in Castlegar BC. I have worked in the mineral exploration industry as an independent prospector and mineral exploration contractor since 1975.

I am the president of Rich River Exploration Ltd., a contract mineral exploration service company that has been in successful operation since 1999. <u>www.richriver.bc.ca</u>

Galgen



