BRITISH COLUMBIA
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Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Geochemical sampling

TOTAL COST: 15,529.75

AUTHOR(S): David G. Bailey

SIGNATURE(S): "D.G. Bailey"

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):

YEAR OF WORK: 2016

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5631926, 5648868

PROPERTY NAME: Independence

CLAIM NAME(S) (on which the work was done): 597896, 597897, 597281

COMMODITIES SOUGHT: Ag, Au, Cu, Pb, Zn

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Skeena

NTS/BCGS: 104A/4W

LATITUDE: 56 ° 05 ' " **LONGITUDE:** 129 ° 55 ' " **(at centre of work)**

OWNER(S):
1) R. J. Billingsley
2)

MAILING ADDRESS:
11114 147A Street, Surrey
BC V3R 3W2

OPERATOR(S) [who paid for the work]:
1) R. J. Billingsley
2)

MAILING ADDRESS:
11114 147A Street
BC V3R 3W2

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Andesite, rhyolite, Lower Jurassic, Unuk River Formation, Hazelton Group, granodiorite, diorite, Eocene, Portland Canal dykes, northwesterly-striking shears, silicification, chalcopyrite, pyrite, sphalerite, galena

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 8968, 15581, 21367, 21950, 12973

Next Page

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 samples analysed for...)			
Soil			
Silt			
Rock	11	597896, 597897	14,922.80
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			606.95
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	15,529.75

INDEPENDENCE PROPERTY
STEWART
NORTHWESTERN BRITISH COLUMBIA

GEOCHEMICAL SAMPLING

Mineral Tenures 402839, 584059, 593857, 593858, 593872, 593875, 597281, 597282, 597896, 597897, 600001
NTS Map 104A4W
Skeena Mining Division
Lat. 56° 05', Long. 129° 55'

Event No's 5631926, 5648868

Owner and Operator

R. J. BILLINGSLEY

Report By

David G. Bailey, Ph.D., P.Geo.

311 - 215 Tenth Street
New Westminster, B.C.
V3M 3Y1

June 5, 2017

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TABLES

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1. SUMMARY

The Independence property is located about 20km north of the village of Stewart in northwestern British Columbia and is situated a few kilometres to the east of the former gold mining operations of Silback-Premier and Big Missouri, along with several prospects, all within the historic Stewart mining camp. The region is within a cool-temperate climatic zone with mild summers and moderately cold winters. Snowfall in the Independence property area, because of its high elevation over most of the property, is often in the order of 20 metres annually. Although the highway from Hazelton to Stewart passes through the southeastern part of the property, most of the project area is accessible only by helicopter or on foot.

The Independence property comprises eleven tenements totaling 2,160.95 hectares held 100% by Mr. R. J. Billingsley. These tenements cover an area that has seen intermittent exploration since the early 20th Century. In early years miners developed small mining operations on shear zones that host precious and base metal mineralization within the property but these operations ceased by the 1930's. In 1990 -1991 a small area in the central eastern part of the property was drilled, targeting shear-hosted mineralization, the subject of this report.

The region in which the Independence tenements are located is largely underlain by the Lower Jurassic Hazelton Group, an assemblage of dominantly intermediate and felsic volcanic rocks with interbedded sedimentary strata. The Independence property is mainly underlain by volcanic and associated sedimentary rocks of the Unuk Lake Formation. Intruding these strata is a suite of northwest intermediate to felsic composition dykes of the Eocene Portland Canal dyke swarm,

Mineralization is associated with silicified shear zones and appears to be spatially and possibly genetically related to dykes. Sampling across two these shear structures indicated the presence of anomalous precious and base metals.

2. INTRODUCTION

2.1 General Statement

The Independence property hosts northwesterly-striking shears that host precious metal mineralization in quartz veins and zones of silicification. These shear structures are subparallel to those on an adjoining property held by Decade Resources Ltd. which has been subject to several years of exploration by drilling. Decade's drilling has suggested that the structures host several discrete types of mineralization that probably reflect multiple mineralizing events in that chalcopyrite - bearing zones, for example, are generally separate from those that contain lead and zinc minerals (Dick, 2014).

Consequently, in late 2016, a short reconnaissance sampling programme was undertaken to determine whether shear hosted mineralization at Independence also might illustrate a metal zonation.

2.2 Location, Access, Physiography and Climate

The Independence property is located about 20 km north of the town of Stewart in northwestern British Columbia. (Figure 1). Although the southeastern part of the property is crossed by Highway 37A, access to most of the property is only by helicopter or on foot.

The property covers steep terrane of the British Columbia Coast Range with elevations ranging from about 100m ASL in the southeastern part of the property to 1,829 ASL at Mt. Bunting in the western part of the property (Figure 2). Vegetation in the upper parts of the property consists of sparse alpine spruce and grasses but spruce and alder become dominant at lower elevations. The western and northwestern parts of the property are either ice-covered or of barren rock.

The climate of the area is cool temperate with average July temperature in Stewart of 20ºC and -5.5ºC in January. However, average temperatures are considerably cooler at higher altitudes. Average annual rainfall in the region of the Independence property is about 240cm while average annual snowfall is between 1,500cm and 2,000cm. Because of the high snowfall and the steepness of the terrane avalanches are common throughout the region.


INDEPENDENCE PROJECT
Yukon Territory
Northwest Territores
Juneau
Alaska
Prince Rupert
British Columbia
Prince George
Dawson Creek
Grande Prairie
Kamloops
Kelowna
Vancouver
Victoria
Washington
R.J. BILLINGSLEY
INDEPENDENCE PROJECT
LOCATION
FIGURE 1

2.3 Mineral Tenements

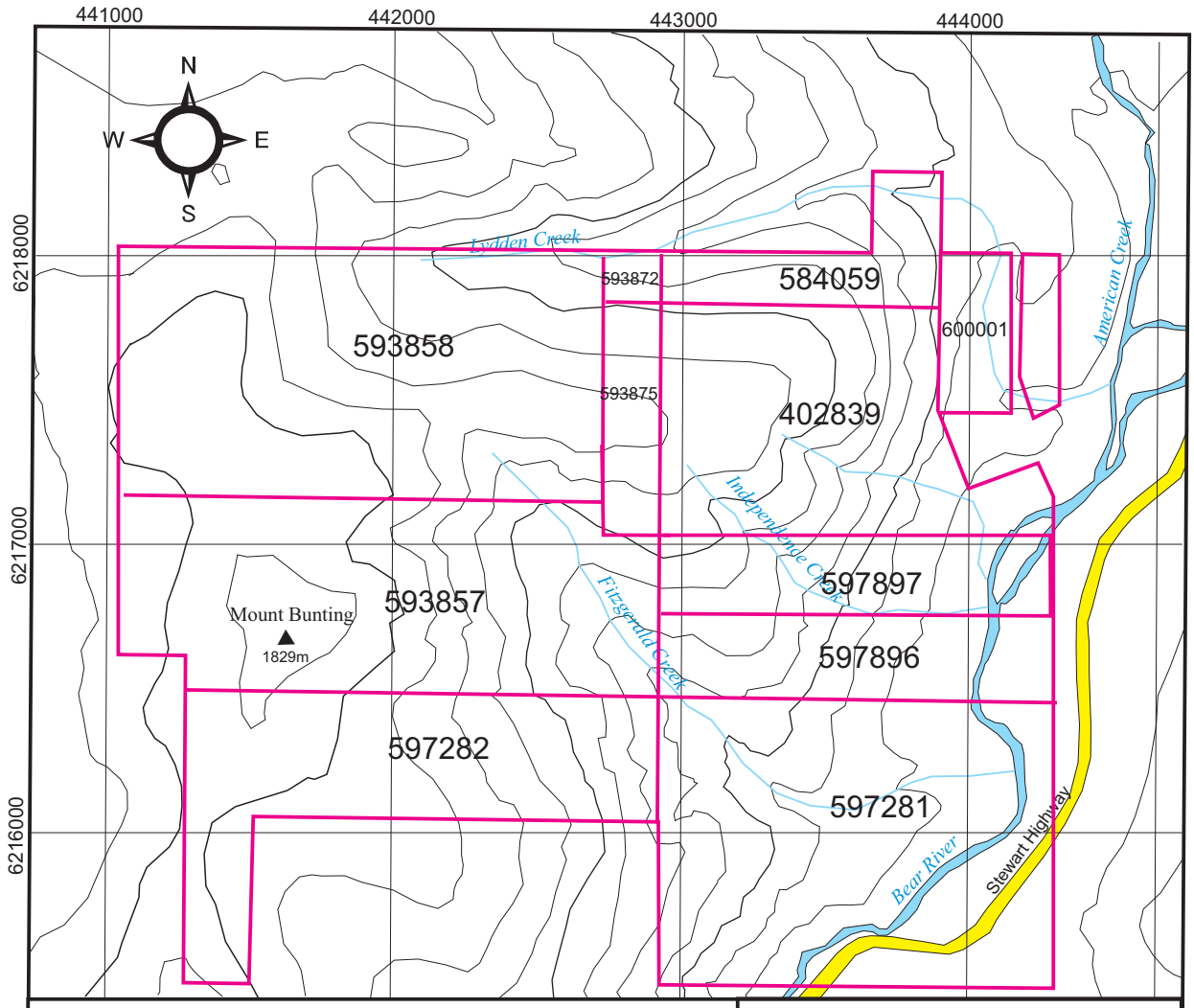
The Independence property consists of 11 claims that cover an area of 2,160.95 hectares (Table 1) held 100% by Mr. R.J. Billingsley of Surrey, British Columbia. The disposition of these tenements is shown in Figure 2.

Table 1
Independence Mineral Tenements

Title No.	Claim Name	Good To Date	Area (ha)	Ownership
402839	Bunting 1	2017/May/10	500.0	R.J. Billingsley
584059	Bunting 1A	2017/May/10	90.23	R.J. Billingsley
593857	Bunting 2B	2017/May/10	397.18	R.J. Billingsley
593858	Bunting 2A	2017/May/10	379.01	R.J. Billingsley
593872	Bunting 2C	2017/May/10	18.05	R.J. Billingsley
593875	Bunting 2D	2017/May/10	54.15	R.J. Billingsley
597281	Independence 2	2017/May/10	325.09	R.J. Billingsley
597282	Independence 3	2017/May/10	162.52	R.J. Billingsley
597896	Independence 1	2017/May/10	108.34	R.J. Billingsley
597897	Independence 1A	2017/May/10	90.28	R.J. Billingsley
600001	Bunting 1A	2017/May/10	36.10	R.J. Billingsley

2.4 Exploration History

The independence property has a long history of exploration dating back to 1909, with the first discovery of surface exposure veining reported in 1917. The exposed vein system assayed from 1oz to 20oz Ag/ton along with galena and sphalerite. Early workings report drilling underground tunnels and of the four completed tunnels, three remain open. The property was developed during the 1920's, but after 1929 no more work was reported in the Minister of Mines annual reports. In 1965 Canex Aerial Exploration conducted geological mapping, a magnetometer survey, soil geochemistry and a limited amount of trenching. No other


441000
442000
443000
444000
6218000
6217000
6216000
N
W
E
S
Lydden Creek
593872
584059
600001
American Creek
593858
593875
402839
Independence Creek
Fitzgerald Creek
597897
593857
Mount Bunting
1829m
597896
597282
597281
Bear River
Stewart Highway
0
500
1000
1500
2000
METRES
R.J. BILLINGSLEY
INDEPENDENCE PROJECT
MINERAL TENEMENTS
UTM Grid Nad 83
FIGURE 2

work was reported until Tournigan Mining Explorations Ltd staked the property in 1980 and undertook some sampling and geological mapping (Deleen and Klepacki, 1980). In 1984 Tournigan carried out a stream sediment sampling programme over the Independence property (Smitheringgale, 1984) .

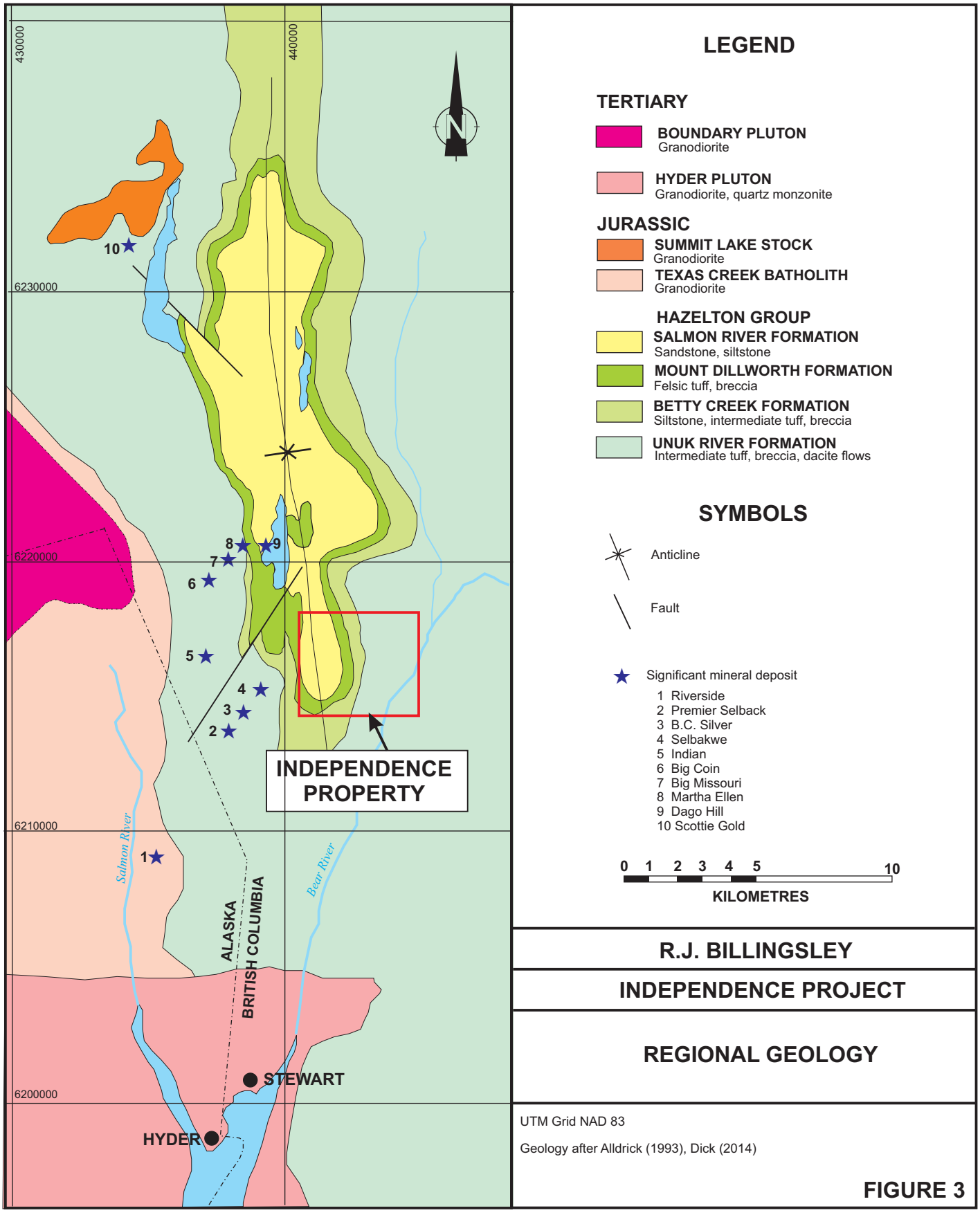
In 1986 Moche Resources claimed the Idependence property and conducted work until 1988. In 1986 a grid of 8.115 km was established and undertook both airborne and ground geophysical surveying (Di Spirito *et al.*, 1986). 157 soil samples, 121 rock samples and 13 silt samples were collected. In 1988 geological mapping, trenching and sampling aimed to increase the known strike length of veins. Moche Resources also continued to map and prospect the old underground workings.

A phase 1 drilling program was conducted by Armeno Resources Canada in 1990 which included; geological mapping, prospecting, geochemical and geophysical surveys, trenching and 764.13 m of diamond drilling (Gerwargis, 1990). In 1991 Armenex Resources completed a follow up drilling program to further assess the property's economic potential. Eleven holes were drilled for a total of 1338.5 m, as well as prospecting, geological mapping, and 21 chip and grab samples taken (Gerwargis, 1991). Core samples returned some anomalous Au, Ag, Cu, Pb and Zn values. After the 1991 drilling program no new information was reported on the Independence property.

2.5 2016 Exploration Programme

In past exploration of the Independence property there had been no attempt to characterize types of mineralization. Only drilling by Armeno Resources (Gerwargis, 1990, 1991) collected enough samples from vein structures to enable this to be done but owing to un-georeferenced mapping, this company's grid could not be located in terms of geographic coordinates.

Work carried out 2016 was an attempt to define the element composition of economic mineralization by sampling known mineralized shear structures. Unfortunately, owing to the lateness of the season, only two structures could be sampled. However, results of this sampling indicate that metal zonation possibly exists on the property.


430000
440000
6230000
6220000
6210000
6200000
10
8
9
7
6
5
4
3
2
1
INDEPENDENCE PROPERTY
Salmon River
Bear River
ALASKA
BRITISH COLUMBIA
STEWART
HYDER
N
LEGEND
TERTIARY
BOUNDARY PLUTON
Granodiorite
HYDER PLUTON
Granodiorite, quartz monzonite
JURASSIC
SUMMIT LAKE STOCK
Granodiorite
TEXAS CREEK BATHOLITH
Granodiorite
HAZELTON GROUP
SALMON RIVER FORMATION
Sandstone, siltstone
MOUNT DILLWORTH FORMATION
Felsic tuff, breccia
BETTY CREEK FORMATION
Siltstone, intermediate tuff, breccia
UNUK RIVER FORMATION
Intermediate tuff, breccia, dacite flows
SYMBOLS
Anticline
Fault
Significant mineral deposit
1 Riverside
2 Premier Selback
3 B.C. Silver
4 Selbakwe
5 Indian
6 Big Coin
7 Big Missouri
8 Martha Ellen
9 Dago Hill
10 Scottie Gold
0 1 2 3 4 5 10
KILOMETRES
R.J. BILLINGSLEY
INDEPENDENCE PROJECT
REGIONAL GEOLOGY
UTM Grid NAD 83
Geology after Alldrick (1993), Dick (2014)
FIGURE 3

3.0 GEOLOGICAL SETTING

3.1 Regional Geology

The geology of the region in which the Independence property lies mainly underlain by strata of the Lower Jurassic Hazelton Group, flanked to the west by Mesozoic and Tertiary intermediate to felsic intrusive rocks of the Coast Mountain plutonic suite and, to the east, by Upper Jurassic sedimentary strata of the Bowser Lake Group. Underlying, or in fault contact with, strata of the Hazelton Group is the dominantly mafic volcanic Upper Triassic Stuhini Group. The Hazelton Group in the region has been subdivided into three formations: i) the lowermost Unuk River Formation,; ii) the Betty Creek Formation and iii) the late Lower Jurassic Mt. Dilworth Formation (Alldrick, 1993). Intruding the Unuk River Formation are numerous apophyses and dykes of intermediate to felsic composition and which are mainly of Cretaceous and Tertiary age.

Hazelton Group strata have been folded into doubly-plunging anticlinal and synclinal pairs with fold axes that strike more or less to the north. Most precious metal mineralization of the region is hosted by the Unuk Formation and is closely related to stocks and dykes that have intruded this formation. Most of these are of Lower Tertiary age although the Texas Creek Plutonic Suite to which some precious metal deposits to the north of Stewart are related is of Lower Jurassic age.

Regional geology is illustrated in Figure 3.

3.2 Geology of the Independence Property

3.2.1 Lithologies

The Independence property is underlain by strata of the Lower Jurassic Unuk River Formation, comprising andesitic tuff and breccia and a unit of rhyolitic tuff, breccia and flows.

The Hazelton stratigraphy is cut by a number of northwesterly-striking dykes of diorite and quartz diorite composition that are considered to belong to the Portland Canal dyke swarm. These range in width from less than a metre to several metres. They appear to occur in discrete anastomosing zones in the eastern central part of the Independence property between Fitzgerald Creek and

Independence Creek (Figure 4) and on the slopes of Mt. Bunting to the west of Fitzgerald Creek.

3.2.2 Structure and Metamorphism

The dominant structural trend within the Independence property is to the northwest; S_1 fabrics strike at about 140° - 145° and dip at about 80°SW. This also appears to be the dominant attitude of dykes of the Portland Canal suite. Mineralized zones, which are hosted by shears or fracture zones, reflect the attitudes of their enclosing structures.

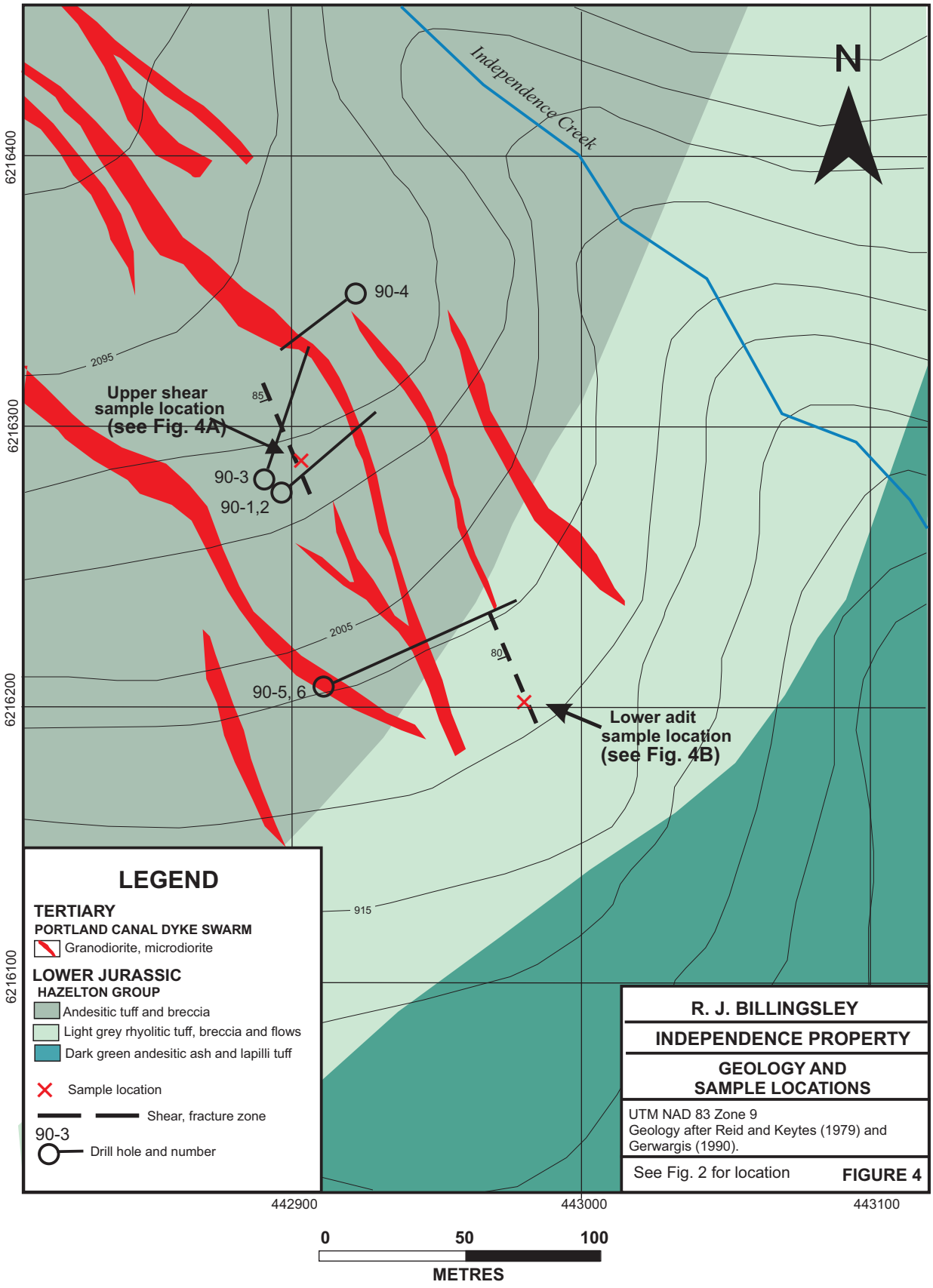
Based on one observation made of a possible fining-upwards sequence within a sedimentary interbed, these strata appear to young to the northwest, suggesting that they lie on the eastern limb of syncline mapped by Alldrick (1993) (see Figure 3).

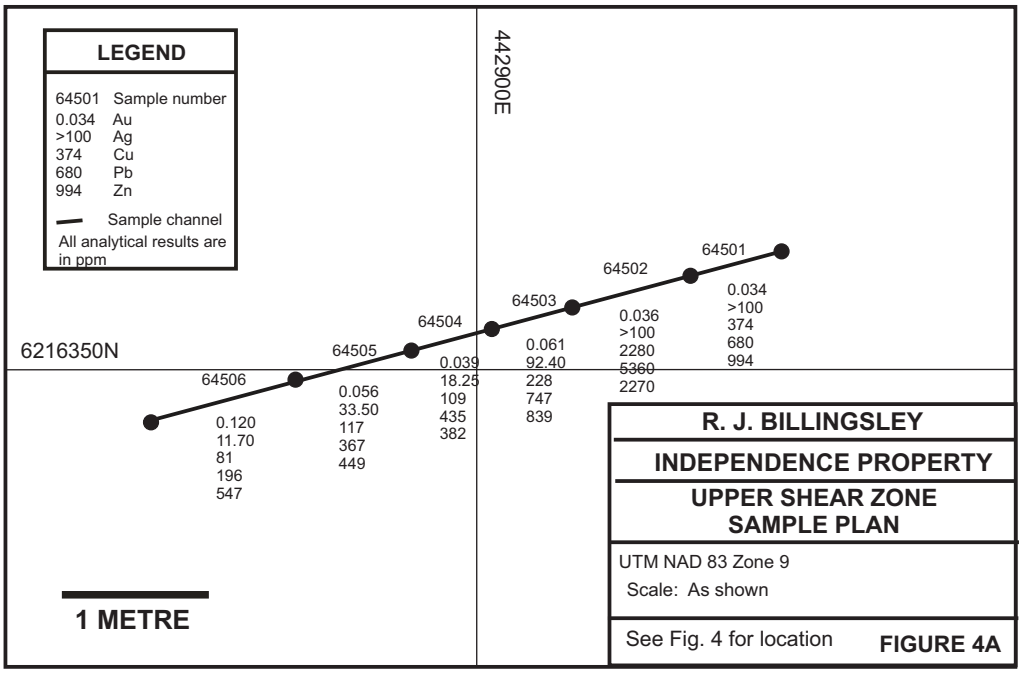
A northwesterly-striking fault is interpreted to occupy the Fitzgerald Creek valley (Reid and Keytes, 1979) but no geological mapping has been carried to confirm this interpretation.

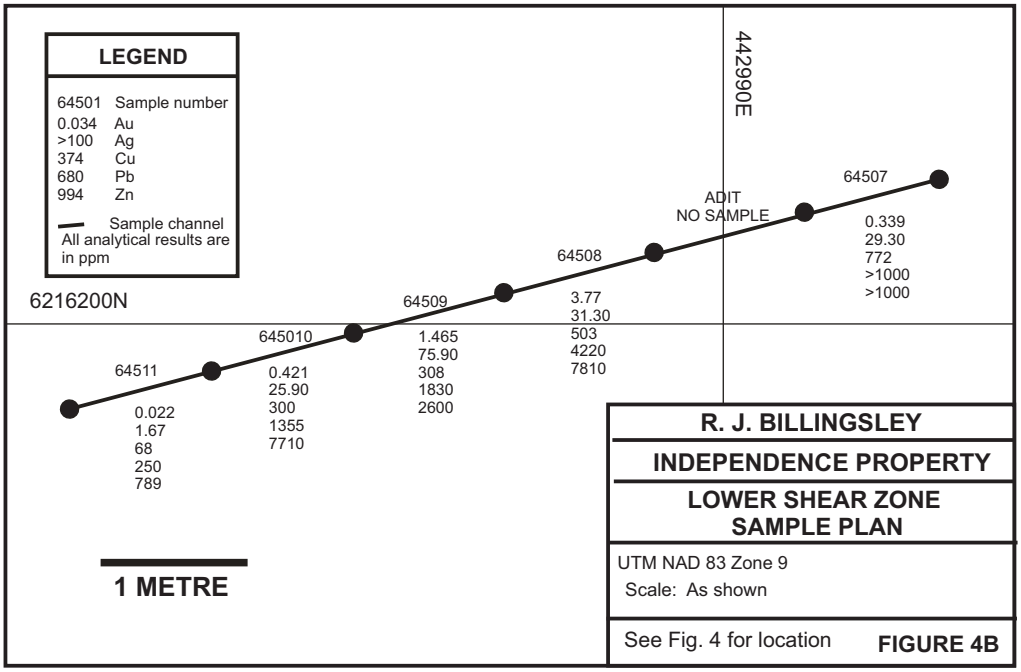
3.2.3 Mineralization and Alteration

Base and precious metal mineralization, usually associated with intense silicification and sericite alteration, occurs along northwesterly-striking shears. These zones range in width from a few centimetres to a few metres but vertical and horizontal dimensions have not been established. The only drilling that has been undertaken on these zones was by Armeno Resources Ltd. (Gerwargis, 1990, 1991). Core recovery did not appear to have been estimated..

Gerwargis (1991) noted the common occurrence of epidote alteration of andesite and of quartz veins. It was not noted whether epidote alteration may be caused by hydrothermal activity that resulted in mineralization or whether epidote formed during regional greenschist metamorphism. Epidote alteration of andesite is not uncommon outside zones of mineralization on the Independence property and is probably the result of regional metamorphism.


N
Independence Creek
6216400
6216300
6216200
6216100
442900
443000
443100
2095
2005
915
90-4
90-3
90-1,2
90-5, 6
85
80
Upper shear sample location (see Fig. 4A)
Lower adit sample location (see Fig. 4B)
LEGEND
TERTIARY
PORTLAND CANAL DYKE SWARM
Granodiorite, microdiorite
LOWER JURASSIC
HAZELTON GROUP
Andesitic tuff and breccia
Light grey rhyolitic tuff, breccia and flows
Dark green andesitic ash and lapilli tuff
Sample location
Shear, fracture zone
90-3
Drill hole and number
R. J. BILLINGSLEY
INDEPENDENCE PROPERTY
GEOLOGY AND SAMPLE LOCATIONS
UTM NAD 83 Zone 9
Geology after Reid and Keytes (1979) and Gerwargis (1990).
See Fig. 2 for location
FIGURE 4
0
50
100
METRES


LEGEND
64501 Sample number
0.034 Au
>100 Ag
374 Cu
680 Pb
994 Zn
Sample channel
All analytical results are in ppm
442900E
6216350N
64506
0.120
11.70
81
196
547
64505
0.056
33.50
117
367
449
64504
0.039
18.25
109
435
382
64503
0.061
92.40
228
747
839
64502
0.036
>100
2280
5360
2270
64501
0.034
>100
374
680
994
1 METRE
R. J. BILLINGSLEY
INDEPENDENCE PROPERTY
UPPER SHEAR ZONE
SAMPLE PLAN
UTM NAD 83 Zone 9
Scale: As shown
See Fig. 4 for location
FIGURE 4A


LEGEND
64501 Sample number
0.034 Au
>100 Ag
374 Cu
680 Pb
994 Zn
Sample channel
All analytical results are in ppm
442990E
6216200N
64511
0.022
1.67
68
250
789
645010
0.421
25.90
300
1355
7710
64509
1.465
75.90
308
1830
2600
64508
3.77
31.30
503
4220
7810
ADIT
NO SAMPLE
64507
0.339
29.30
772
>1000
>1000
1 METRE
R. J. BILLINGSLEY
INDEPENDENCE PROPERTY
LOWER SHEAR ZONE
SAMPLE PLAN
UTM NAD 83 Zone 9
Scale: As shown
See Fig. 4 for location
FIGURE 4B

4. 2016 EXPLORATION

4.1 Programme

The 2016 programme was designed to characterize mineralization across shear zones on the Independence property and to obtain data of element content. Two shears were channel sampled, an upper shear zone and one at a lower elevation where mining had been undertaken (Figure 4). Sample locations across each of the shears are shown in Figures 5 and 6. Channel samples were taken at approximately 90^0 to the shear zone fabric. Analytical results for the elements Au, Ag, Cu, Pb and Zn are shown in Table 2. All analytical results are included as Appendix 1.

Table 2
Analytical results of shear zone sampling
See Figures 4, 4A, 4B for sample locations

Shear Zone	Sample No.	Lithology	Width m.	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm
Upper	64501	Andesitic tuff	0.56	0.034	>100	374	680	994
Upper	64502	Andesitic tuff	0.76	0.036	>100	2280	5360	2270
Upper	64503	Andesitic tuff	0.52	0.061	92.40	228	747	839
Upper	64504	Andesitic tuff	0.52	0.039	18.25	109	435	382
Upper	64505	Andesitic tuff	0.76	0.056	35.50	117	367	449
Upper	64506	Andesitic tuff	0.84	0.120	11.70	81	196	547
Lower	64507	Rhyolite	1.0	0.339	29.30	772	>1000	>1000
Lower	64508	Rhyolite	1.0	3.77	31.30	503	4220	7810
Lower	64509	Rhyolite	1.0	1.465	75.90	308	1830	2600
Lower	64510	Rhyolite	1.0	0.421	25.90	300	1355	7710
Lower	64511	Rhyolite	1.0	0.022	1.67	68	250	789

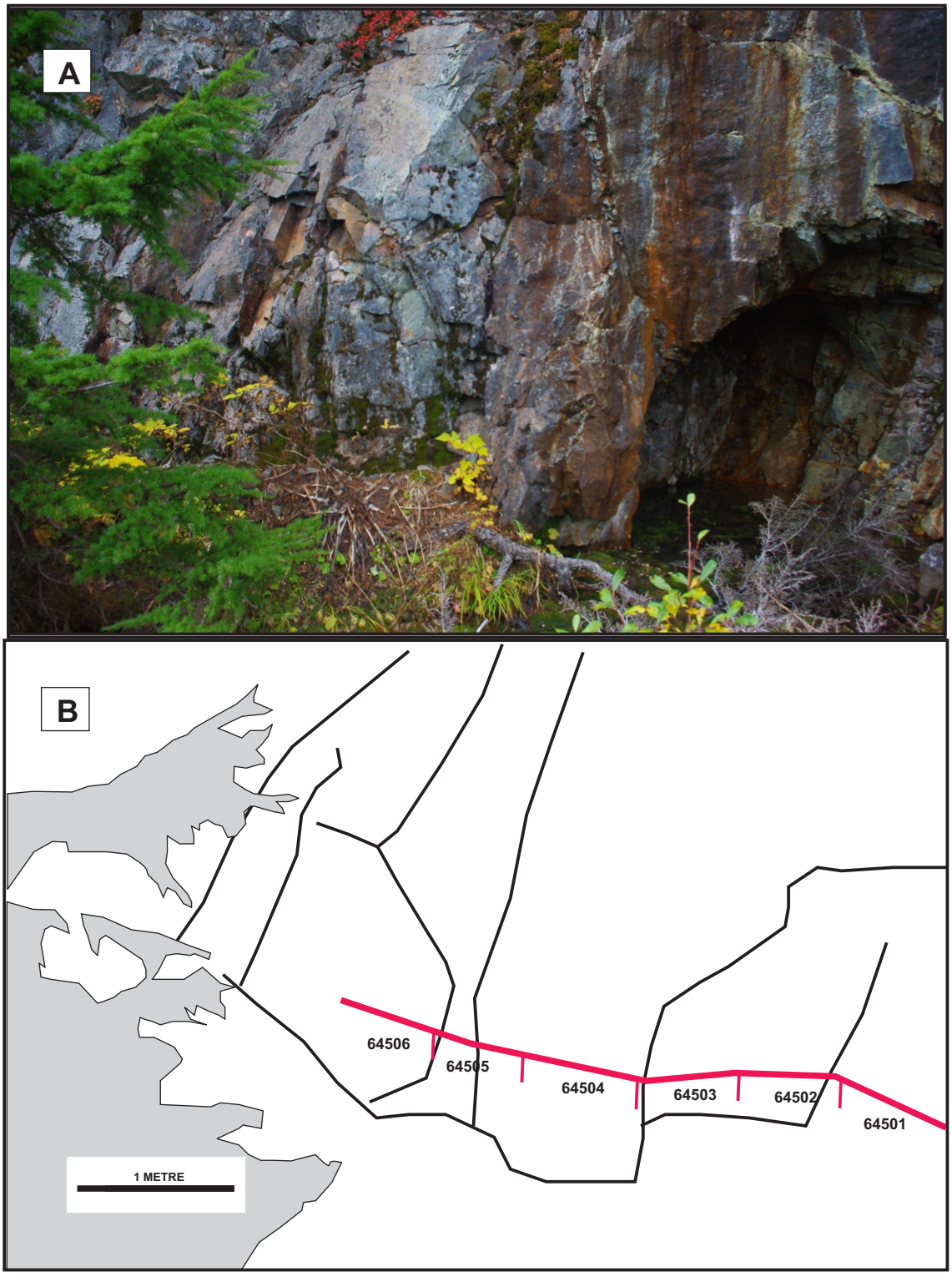


Figure 5. A: Upper mineralized shear zone. View to the northwest.
B: Sample locations and numbers. See Table 2 for results.

Figure 6. Lower adit, sample locations.

4.2 Discussion of Results

Sampling only two areas where mineralization occurs cannot produce a statistically reliable set of results on which to form a satisfactory conclusion with respect to metal distribution. However, it can be noted that, perhaps, prospectors working the property in the early 20th Century only valued gold as an economic commodity, ignoring silver and the base metals. Analytical results of two of the six samples from the upper shear zone indicated silver content of three and almost five ounces per tonne. Lead and zinc results suggest that the lower shear is more enriched in these metals than the upper shear structure.

Dick (2014) has shown that, on similar structures to those within the Independence tenements on Decade Mineral's adjoining property to the north, there appears to be a metal zonation with zones of copper ± precious metals seemingly separated from those containing zinc and lead. This type of zonation may be inferred from sample results across mineralized structures on the Independence property but much further work will need to be done to confirm thus supposition.

It appears that mineralized structures are spatially, if not genetically, related to dykes of the Portland Canal dyke swarm. Previous work (Gerwargis, 1991) has defined only two mineralized structures spatially related to a small set of Portland Canal dykes located between Independence Creek and Fitzgerald Creek (Figure 2). If this relationship between Portland Canal dykes and mineralization is the case elsewhere on the Independence property, then the eastern slopes of Mount Bunting to the west of Fitzgerald Creek is worthy of further examination (Figure 7). Here there are a number of dykes that are well exposed on the steep eastern slope of the hill. Because of its steepness, however, it is likely that experienced climbers will need to be employed to survey these slopes. This is likely why there is no past information on this area of the property.

The western part of the Independence property is largely ice-covered and there is little knowledge of the bedrock geology in this area.

Figure 7. View to the west looking across Fitzgerald Creek to the eastern slopes of Mt. Bunting. Lighter coloured areas are dykes of the Portland Canal dyke swarm.

5. EXPENDITURE STATEMENT

	$CAN
Geologist: 3 days @ $1,000/day	
Travel Oct. 2nd, 4th	
Property examination Oct. 3rd	3000.00
Prospector: 3 days @ $400/day	
Travel Oct. 2nd, 4th	
Property examination Oct. 3rd	1200.00
Expediter:	
Provision of junior geologist, field hand and	
logistical support;	2820.00
Helicopter	1625.40
Truck rental	856.80
Fuel	165.41
Accommodation	1326.73
Airfares - Vancouver-Smithers	928.46
Report preparation: 3 days @ $1,000/day	3000.00
TOTAL	**15529.75**

6. REFERENCES

Alldrick, Dani J., 1993: Stratigraphy and petrology of the Stewart Mining Camp (104B/1. *B.C. Geol. Survey, Paper 83-1, p.149-164.*

Deleen, John and Klepacki, D., 1980: Geological and sampling report on the Independence claim group. *B.C. Ministry of Mines, Energy and Petroleum Resources. Assessment Report 8968.*

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Smitheringale, W.G., 1984: Report on geological and stream sediment geochemical surveys, July August 1984 on the Independence claim group near Stewart, B.C. *B.C. Ministry of Mines, Energy and Petroleum Resources. Assessment Report 12973.*

7. CERTIFICATE

I, David Gerard Bailey, of 311 - 215 Tenth Street, New Westminster, British Columbia, hereby certify that:

1. I am a geological consultant with an office at the above address;

2. I hold degrees in geology from Victoria University of Wellington, New Zealand (B.Sc. (Hons.), 1973) and Queen's University, Kingston, Ontario (Ph.D., 1978);

3. I have practised the profession of geologist continuously since graduation;

4. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia:

5. I personally supervised the work described in this report.

Dated at New Westminster, British Columbia, this 6th day of June, 2017.

Appendix 1

Analytical Certificate

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: BILLINGSLEY, RICHARD
11114 147A STREET
SURREY BC V3R 3W2

Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22- FEB- 2017
Account: BILRIC

CERTIFICATE VA16204272

This report is for 11 Rock samples submitted to our lab in Vancouver, BC, Canada on 23- NOV- 2016.

The following have access to data associated with this certificate:

RICHARD BILLINGSLEY

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS41	Ultra Trace Aqua Regia ICP- MS	
Ag- OG46	Ore Grade Ag - Aqua Regia	ICP- AES
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Pb- OG46	Ore Grade Pb - Aqua Regia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	ICP- AES
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES

To: BILLINGSLEY, RICHARD
11114 147A STREET
SURREY BC V3R 3W2

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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To: BILLINGSLEY, RICHARD
11114 147A STREET
SURREY BC V3R 3W2

Finalized Date: 22- FEB- 2017
Account: BILRIC

CERTIFICATE OF ANALYSIS VA16204272

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.2	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
64501		0.70	0.034	>100	0.25	8.2	<0.2	<10	560	0.79	1.41	0.13	8.67	4.60	3.0	14
64502		0.76	0.036	>100	0.14	27.4	<0.2	<10	90	0.93	2.25	0.71	24.4	10.35	7.4	7
64503		0.60	0.061	92.4	0.41	353	<0.2	<10	30	0.48	2.73	0.09	4.03	9.88	3.8	9
64504		0.90	0.039	18.25	0.60	111.0	<0.2	30	90	0.42	1.19	0.13	1.66	14.25	8.2	6
64505		0.38	0.056	35.5	0.84	160.5	<0.2	20	60	0.79	0.93	0.20	2.63	21.3	10.9	6
64506		0.56	0.012	11.70	1.15	11.0	<0.2	20	160	0.64	0.58	0.16	1.37	19.00	15.8	8
64507		0.28	0.339	29.3	1.05	28.8	0.2	20	100	0.40	22.1	0.06	302	5.12	20.2	8
64508		0.48	3.77	31.3	0.96	68.4	3.0	20	40	0.57	29.8	0.28	35.5	18.25	7.1	13
64509		0.32	1.465	75.9	0.43	92.7	1.8	20	110	0.22	178.5	0.02	25.1	0.51	5.0	11
64510		0.30	0.421	25.9	0.65	232	0.5	20	40	0.38	18.50	0.05	73.6	2.57	5.7	11
64511		0.32	0.022	1.67	2.07	78.3	<0.2	20	200	0.65	0.76	0.59	1.77	24.0	12.8	9

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SURREY BC V3R 3W2

Finalized Date: 22- FEB- 2017
Account: BILRIC

CERTIFICATE OF ANALYSIS VA16204272

Sample Description	Method Analyte Units LOR	ME- MS41 Cs ppm 0.05	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
64501		0.26	174.0	2.11	1.48	<0.05	0.03	1.05	0.060	0.06	2.5	1.8	0.11	280	2.64	0.01
64502		0.08	2280	4.91	1.59	0.06	0.02	1.55	0.665	0.02	3.3	0.7	0.03	1720	11.00	<0.01
64503		0.13	228	16.85	2.86	0.08	0.05	0.71	0.050	0.03	4.1	3.5	0.15	1840	2.80	0.01
64504		0.41	108.5	8.79	5.11	0.10	0.11	0.28	0.036	0.18	6.6	4.0	0.19	1060	1.12	0.01
64505		0.70	116.5	10.55	6.57	0.13	0.10	0.57	0.041	0.19	10.8	5.6	0.28	1300	1.75	0.01
64506		0.60	80.9	7.10	10.15	0.11	0.05	0.36	0.051	0.14	7.8	8.9	0.54	1720	1.34	0.01
64507		0.29	772	6.86	10.65	0.11	0.05	10.00	0.318	0.09	2.9	5.5	0.37	1060	3.61	0.01
64508		0.14	503	10.40	7.62	0.14	0.13	2.63	0.054	0.03	9.7	7.0	0.53	1120	3.28	0.02
64509		0.15	308	4.79	8.03	0.09	<0.02	1.95	0.129	0.02	0.3	3.3	0.17	654	3.47	0.01
64510		0.44	300	7.77	6.07	0.09	0.02	5.11	0.310	0.07	1.3	4.0	0.28	672	8.95	0.01
64511		0.72	67.7	6.89	10.40	0.12	0.18	0.13	0.017	0.19	10.6	15.2	1.09	2050	1.82	0.02

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11114 147A STREET
SURREY BC V3R 3W2

Finalized Date: 22- FEB- 2017
Account: BILRIC

CERTIFICATE OF ANALYSIS VA16204272

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	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
64501		0.11	1.3	140	680	3.3	0.001	0.18	16.35	0.4	0.6	0.2	333	<0.01	0.05	0.5
64502		0.12	0.6	30	5360	1.0	0.001	0.70	28.3	0.4	0.9	<0.2	466	<0.01	0.02	<0.2
64503		0.17	1.8	360	747	1.3	<0.001	2.52	109.5	2.0	0.6	<0.2	42.5	<0.01	0.02	0.2
64504		0.50	1.9	850	435	6.9	<0.001	1.34	13.55	3.9	1.3	0.2	56.1	<0.01	<0.01	2.1
64505		0.74	2.3	1010	367	7.9	<0.001	2.91	30.6	5.2	1.5	0.3	9.6	<0.01	<0.01	2.6
64506		0.42	2.3	790	195.5	6.3	<0.001	0.83	6.73	5.1	0.5	0.2	16.1	<0.01	<0.01	2.0
64507		0.08	1.0	320	>10000	3.7	<0.001	3.51	4.60	1.6	3.3	<0.2	7.5	<0.01	<0.01	0.5
64508		0.45	4.3	660	4220	1.1	<0.001	6.88	8.56	1.6	2.8	0.2	27.5	<0.01	0.01	<0.2
64509		<0.05	0.8	30	1830	0.9	<0.001	2.21	10.55	0.4	4.2	<0.2	7.7	<0.01	<0.01	<0.2
64510		0.15	1.1	240	1355	3.8	0.001	4.89	22.7	1.0	3.1	<0.2	11.3	<0.01	0.01	0.2
64511		0.64	4.4	2010	249	7.6	<0.001	1.69	6.14	4.5	0.5	0.4	24.1	0.01	<0.01	1.4

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CERTIFICATE OF ANALYSIS VA16204272

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Ag- OG46	Pb- OG46	Zn- OG46
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	Ag	Pb	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	1	0.001	0.001
64501		0.010	0.16	0.52	28	24.3	1.17	994	1.1	128		
64502		0.007	0.16	1.14	62	130.0	4.99	2270	0.7	153		
64503		0.011	1.09	0.92	110	12.95	3.29	839	2.2			
64504		0.054	0.28	1.40	120	9.39	5.19	382	4.3			
64505		0.077	0.47	1.28	109	5.58	9.50	499	3.4			
64506		0.070	0.09	1.40	84	4.48	5.96	547	2.1			
64507		0.016	0.11	0.83	48	20.8	1.83	>10000	1.5		2.81	3.04
64508		0.078	0.13	1.75	86	6.87	2.61	7810	2.9			
64509		<0.005	0.17	1.04	42	8.82	0.22	2600	<0.5			
64510		0.021	0.53	1.65	41	13.00	1.05	7710	0.7			
64511		0.237	0.19	1.21	73	7.35	7.73	789	4.8			

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Page: Appendix 1
Total # Appendix Pages: 1
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CERTIFICATE OF ANALYSIS VA16204272

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).
ME- MS41

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag- OG46	Au- ICP21	CRU- 31	LOG- 22
ME- MS41	ME- OG46	Pb- OG46	PUL- 31
SPL- 21	WEI- 21	Zn- OG46	