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Aining & Minerals Division			Assessment Report
SC Geological Survey		ž	Title Page and Summar
TYPE OF REPORT [type of survey(s)]: Geochemical		TOTAL COST:	\$ 4,670.90
AUTHOR(S): Laurence Sookochoff, PEng	SIGNATURE(S):	Digitally signed by Date: 2017.09.07 2	Laurence Sookochoff 0:14:32 -07'00'
NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):			YEAR OF WORK: 2017
STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S):	5653477 June 19, 201	17	
PROPERTY NAME: Dansey			
CLAIM NAME(S) (on which the work was done): 1051895			
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COMMODITIES SOUGHT: Copper Gold			
VINERAL INVENTORY WINFILE NUMBER(S), IF KNOWN: 092INE034	92INE040		
WINING DIVISION. Kamloons	NTS/BCGS: 092105	6	
	NIGIBOGG. 0021.00	•	
ATITUDE: 50 31 38 LONGITUDE: 120	53 19	(at centre of work)
WNER(S):	a. O. Dula		
I) Christopher Delorme	2) Guy Delorme		
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TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)	<u>F</u>		
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			1 / 4 K
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for	.)		
Soil	16	1051895	\$ 4,670.90
Silt			
Rock			
Other			
DRILLING			
(total metres; number of holes, siz	e)		
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetri (scale, area)	c		
Legal surveys (scale, area) _			
Road, local access (kilometre	es)/trail		
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	\$ 4,670.90

GUY & CHRISTOPHER DELORME

(Owners & Operators)

GEOCHEMICAL ASSESSMENT REPORT

(Event 5653477)

Work done on

Tenure 1051895

of the three claim

Dansey 1051895 Claim Group

Kamloops Mining Divisions

BCGS Map 092I.056

work done from

May 16, 2017 to June 19, 2017

Centre of Work

5,599,375N 649,650E 10 (NAD 83)

Author & Consultant

Laurence Sookochoff, PEng Sookochoff Consultants Inc.

Submitted

September 7, 2017

Revised Report Submitted

May 8, 2008

BC Geological Survey Assessment Report 36979

September 6, 2017

TABLE OF CONTENTS

	pag
Summary	4.
Introduction	5.
Property Description and Location	5.
Accessibility, Climate, Local Resources, Infrastructure	
and Physiography	6.
Water and Power	6.
History: Dansey 1051895 Claim Group Area	6.
092ISE001 – BETHLEHEM	6
092ISE002 – BETHLEHEM (EAST JERSEY)	6.
092ISW012 – HIGHLAND VALLEY COPPER	6.
092INE041 – LODGE	7.
092INE042 – BX	9.
History: Dansey 1051895 Claim Group	9.
092INE034 – DANSEY	9
092INE040 – DAB	10
Geology: Regional	10
Geology: Dansey 1051895 Claim Group Area	11
092ISE001 – BETHLEHEM	11
092ISE002 – BETHLEHEM (EAST JERSEY)	12
092ISW012 – HIGHLAND VALLEY COPPER	12.
092INF041 - I ODGE	12.
092INE042 – BX	14
092INE042 BX	14.
Geology: Dansey 1051895 Claim Group	15.
092INF034 – DANSEY	15
092INE034 DAB	15.
Mineralization: 1051895 Claim Group Area	15.
092ISE001 – BETHI EHEM	16
092ISE007 BETHLEHEM (FAST IERSEV)	16
092ISW012 - HIGHLAND VALLEY COPPER	16
092INE0/1 I ODGE	16
092INE041 = EODOE	16
0.02INE0.42 - DA	10.
Mineralization: Dansay 1051805 Claim Group	17. 17
Mineranzanon. Dansey 1031073 Ciann Gloup	17
0721112034 = DA113E1	17
$\mathbf{U}_{2} \mathbf{U}_{1} \mathbf$	1/.
Exploration Program	18.
Geochemical Survey	18.

Table of Contents (cont'd)

Interpretation and Conclusions	24.
Selected References	25.
Statement of Costs	26.
Certificate	27.

ILLUSTRATIONS

Figure 1. Location I	Map	- 5.
Figure 2. Claim Loc	cation	- 8.
Figure 3. Claim Ma	ap	8.
Figure 4. Geology,	Claim, Index & Minfile	13.
Figure 5. Roads, cre	eeks, topography, Minfile, and Index Map	18.
Figure 6 Sample sit	ites, UTM locations, topography	19.
Figure 7. Soil Geoc	chemical Survey: Arsenic Results	20.
Figure 8. Soil Geoc	chemical Survey: Copper Results	- 21.
Figure 9. Soil Geoc	chemical Survey: Molybdenum Results	22.
Figure 10.2008 Soil	Survey Copper Results showing	
2017 Soil	l Geochemical Survey Grid	23.

TABLES

Table I	Tenures of Dansey 1051895 Claim	Group	5.
APPENI	DICES		
Appendix	x I Geochemical Assay Certificate		27.

SUMMARY

The Dansey 1051895 Claim Group is located 214 kilometres of Vancouver in the Highland Valley of south central British Columbia and within 10 kilometres of the world-class Highland Valley Copper mine; one of the largest copper mining and concentrating operations in the world.

The Highland Valley copper/molybdenum deposit lies within porphyritic quartz monzonite and granodiorite of the Guichon Creek batholith. The most prominent structural features are the north trending, west dipping Lornex fault and the east trending Highland Valley fault. At the Lornex deposit, mineralization is controlled by the distribution and density of fracture sets.

As shown at the Highland Valley and the Lornex mineral deposits, the cross-structures presented a very favorable structural control setting to the porphyry mineral deposits in the creation of brecciated locations and open spaces or voids that would accommodate mineralized hydrothermal fluids. The recurring fault movement, additional brecciation, and subsequent filling of the open spaces by mineralized hydrothermal solutions could result in a porphyritic mineral deposit, the size primarily dependent on the degree and amount of breccia created and invariably the content and amount of mineral bearing hydrothermal fluid introduced.

As indicated by the BC government supported MapPlace geological maps, the Dansey 1051895 Claim Group is predominantly underlain by rocks of the Guichon Batholith with granodioritic rocks of the Highland Valley Phase (LTrJGH) in the west and quartz dioritic rocks of the Border phase in the east. The north- northwesterly trending regional fault contact with the Western Volcanic Facies of the upper Triassic Nicola Group (uTrNW) is within 100 metres east of the Property

The one grid-line 750 metre 2017 soil survey was completed within 250 metres west-northwest of the Central Anomaly, one of three anomalies delineated in a general 2008 MMI soil sampling survey. Mark (2008) describes the Central Anomaly as consisting of:

"... very strong copper values that reach 333,329 ppb, which is extremely high for MMI copper. This copper-molybdenum-gold-silver anomalous area extends in a northerly direction by 800 metres in a westerly direction, and is open to the west."

The "very strong" anomalous copper portion of the 2008 survey was indicated as triangular with the apex of the triangle cut off at the west-central portion of the Dansey Grid which delineated the Central Anomaly (Figure 9).

As the 2017 survey grid was initiated 200 metres north and 150 metres west of the 2008 western anomalous extension, the projection of the 2008 anomalous copper western extension could not be verified.

The 2017 soil survey was not successful in delineating areas that warrant additional exploration.

Dansey 1051895 Claim Group

INTRODUCTION

From May 16, 2017 to June 19, 2017 a localized soil survey was completed within Tenure 1051895 of the three claim Dansey 1051895 claim group (Property). The purpose of the program was to determine any indication of potential mineralization northwest of the 2008 MMI soil survey.

Figure 1. Location Map

Information for this report was obtained from sources as cited under Selected References.



PROPERTY LOCATION AND DESCRIPTION

Location

The Dansey 1051895 Claim Group is located within BCGS Map 092I.056 of the Kamloops Mining Division, 214 kilometres northeast of Vancouver, 48 kilometres north of Merritt, 42 kilometres southwest of Kamloops, and within ten kilometres east-northeast of the world-class producing Highland Valley Copper mine.

Description

The Property is comprised of three contiguous claims covering an area of 1787.3521 hectares. Particulars are as follows:

Tenure Number	<u>Type</u>	Claim Name	<u>Good Until</u>	<u>Area</u> (ha)
<u>1043336</u>	Mineral	DANSEY WEST	20171201	328.6647
<u>1043337</u>	Mineral	DANSEY EAST	20171201	472.6054
<u>1051895</u>	Mineral	DANSEY	20171201	986.082

Table I. Tenures of Dansey	1051895 Claim Group
----------------------------	---------------------

ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

Access

From Logan Lake, the Dansey 1051895 claim group can be accessed by traveling two kilometres west from Logan Lake on Highway 97D to a four road junction, thence northerly via the Tunkwa Lake road, for three kilometres to the eastern boundary of Tenure 1043337.

Climate

The local climate is typical of south central British Columbia. Annual temperatures range from 35°C to -40°C. Negative temperatures can be typically expected between late October and late March. Annual precipitation ranges around an average of 30 cm.

Local Resources & Infrastructure

Merritt, or Kamloops, historic mining centres could be a source of experienced and reliable exploration and mining personnel and a supply for most mining related equipment. Kamloops is serviced daily by commercial airline and is a hub for road and rail transportation. Vancouver, a port city on the southwest corner of, and the largest city in the Province of British Columbia is four hours distant by road and less than one hour by air from Kamloops. Logan Lake, where many of the Highland Valley Copper Mine employees reside, has many facilities to accommodate any preliminary exploration crew.

Physiography

The topography on Tenure 1051895 is of gentle forested slopes with localized clear-cut logged areas. Elevations range from 1,108 m along the mid-eastern boundary to 1,370 m along the mid-western boundary.

WATER & POWER

There would be an ample water supply from the many lakes, rivers, or streams within the confines of the Property for the requirements of any exploration program. A 500KV power line trends southeasterly adjacent to the eastern portion of the Dansey 1051895 Claim Group.

HISTORY: DANSEY 1051895 CLAIM GROUP AREA

The history on some of the more significant mineral MINFILE reported occurrences, prospects, and past producers peripheral to the Dansey 1051895 Claim Group is reported as follows. The distance to the Minfile locations is relative to the Dansey 1051895 Claim Group.

BETHLEHEM past producer (Porphyry Cu+/-Mo+-Au) MINFILE 092ISW001

Five kilometres west-southwest

Production from 1963 to 1982 totalled 96,324,510 tonnes, yielding 99,826,893 grams silver, 1,279,833 grams gold, 398,112,545 kilograms copper and 851,048 kilograms molybdenum.

The Bethlehem concentrator milled Valley ore (092ISW012) until its closure in June of 1989.

BETHLEHEM (EAST JERSEY) – past producer (Porphyry Cu +/- Mo +/- Au)

MINFILE 092ISE002 Five kilometres west-southwest

The East Jersey pit was mined from 1962 until 1965, when the pit wall failed.

HIGHLAND VALLEY COPPER producer (Porphyry Cu+/-Mo+-Au)

MINFILE 092ISW012 Ten kilometres west-southwest

September 6, 2017

History: Dansey 1051895 Claim Group Area (cont'd)

Highland Valley Copper (cont'd)

Highland Valley Copper was created in mid-1986 by bringing together the Highland Valley mining operations of Lornex Mining Corporation Ltd. and Cominco Ltd. into a new single entity, structured as a partnership.

On the south side of the valley was the Lornex mine which started mining in 1972. In 1981, the Lornex concentrator had been expanded to become one of the largest in the industry.

On the north side was Bethlehem Copper (092ISE001) which started mining in 1963. In 1981, this operation was absorbed by Cominco who already owned the Valley orebody (092ISW012) located west of the Lornex pit on the south side of the valley. Mining of the original Bethlehem Copper pits ceased in 1982.

Production from the Lornex mine (092ISW045) was combined with the Valley operations in 1987.

The Highmont mill on the south side of the valley was acquired in 1988 when Highmont Mining Company joined the partnership. This mill had been closed down in 1984 when the Highmont deposit (092ISE013) became uneconomical.

Lornex Mining Corporation Ltd. was wound up at the end of 1988 with the result that Rio Algom Limited, Teck Corporation and Highmont Mining Company obtained direct participation in the cash flow from the partnership.

In 1995, with Explore B.C. Program support, Highland Valley Copper carried out 197 line kilometres of high-powered induced polarization surveys for very deep penetration, and drilled 1701 metres in 4 holes. This work was done on the Lornex SW Extension, Roscoe Lake and JA zones. No anomalies of merit were detected in Lornex SW Extension, and Roscoe Lake gave only limited encouragement. IP work on the JA zone detected an anomaly extending to the south, well beyond the limits of known mineralization, and another anomaly 2000 by 1500 metres in size at the east end of the grid. Both anomalies warrant drill testing (Explore B.C. Program 95/96 - M80).

At the end of 1996, mine plans called for another 200 metres in depth in the Valley pit to the 2008. In addition, the partnership may consider mining the remaining 120 million tonnes grading 0.33 per cent copper estimated to exist in the Lornex pit (Information Circular 1997-1, page 8).

Highland Valley Copper suspended mining on May 15, 1999; they resumed August 30, 1999.

In September 2005, Highland Valley announced that mine life would be extended by five years to 2013. Very late in the year, Teck Cominco also announced that it is considering building a modern hydrometallurgical refinery on site.

Most ore comes from the Valley pit, augmented by a small amount from the Lornex pit. Following a successful 300,000 tonne bulk sample test, the Highmont East pit, closed since the mid-1980s, was re-opened in the fall of 2005 to take advantage of higher molybdenum prices. In addition, exploration drilling was conducted nearby in the Highmont South area and results are being evaluated.

LODGE showing (Porphyry Cu +/- Mo +/- Au) MINFILE 092INE041 Five kilometres west

In 1956, a soil geochemical and ground magnetometer (42 kilometres) survey was performed on some of the Lodge claims on behalf of Northlodge Copper Mines Limited.

September 6, 2017

Dansey 1051895 Claim Group

Guy & Christopher Delorme

Event 5653477

Figure 2. Claim Location (*Base Map from MapPlace &Google Earth*)



Figure 3. Claim Map (Base map from MapPlace)



September 6, 2017

History: Dansey 580839 Claim Group Area (cont'd)

Lodge showing (cont'd)

In 1957, the Lodge group of claims was optioned by American Smelting and Refining Company Ltd. which drilled 10 rotary-drill holes totalling 438 metres and constructed 2.4 kilometres of road. Three short rotary test holes were drilled in 1958 by American Smelting and work by Northlodge consisted of geochemical and geophysical prospecting.

In 1960, 11 kilometres of induced polarization was run on the Lodge and KB claims groups on behalf of Northlodge Copper Mines Ltd. and Beaver Lodge Mines Ltd. In 1960, the Lodge group of claims was optioned for a time by Rio Tinto Canadian Exploration Limited which did geophysical and geochemical surveying and drilled one hole 172 metres in length. In 1963, an induced polarization survey (13 kilometres), geological mapping and bulldozer trenching was carried out over the Lodge, SD and Dave claims on behalf of Huestis Mining Corporation Limited. In 1973, Valley Copper Mines Limited conducted 29 kilometres of induced polarization survey on the Outrider, Lodge, SD, KB and Bay claims. In 1974, on behalf of Valley Copper Mines Limited, Bethlehem Copper Corporation put down two percussion-drill holes totalling 213 metres on the SD 5 and Lodge 13 claims and Cominco Ltd. completed 3.6 kilometres of induced polarization survey on the SD 5, 6 and Lodge 13, 14 claims.

BX prospect (Porphyry Cu+/-Mo+-Au) MINFILE 092INE042 Two kilometres west

Previous to 1958, the showing was trenched by B.X. Mining Company. In 1958, the Bob, Star, B.X. and Cow groups of claims were optioned by Noranda Exploration Company Limited and work consisted of a ground electromagnetic survey and geological mapping. Some bulldozer trenching was done on the showing on the B.X. claims and 8 kilometres of road was constructed; the options were dropped at the end of the summer.

HISTORY: DANSEY 1051895 CLAIM GROUP

DANSEY prospect (Porphyry Cu+/-Mo+-Au) MINFILE 092INE034 Within Tenure 1015895

Deerhorn Mines Ltd. held the Witches Brook group of 24 claims in the vicinity of the JB showing in 1956. Noranda Exploration Company Limited held the PG group of 99 claims along and mainly west of Guichon Creek to the north of Witches Brook in 1962.

This property was partly a relocation of the claims held by Deerhorn Mines Ltd. Geological, geochemical and geophysical surveys were carried out during 1963. The CL group, apparently staked by C.W. Dansey in 1964, was located partially on ground formerly part of the PG group. North Pacific Mines Limited carried out a program of trenching, soil sampling, magnetometer and geological surveying on the property during 1964. In 1965, North Pacific Mines Ltd. carried out an induced polarization survey which outlined an anomaly about 914 metres long over a width of 244 metres.

Other work consisted of trenching, road building and 8 diamond-drill holes totalling 1280 metres. In 1968, an airborne magnetometer survey (202 kilometres) was flown on behalf of North Pacific Mines Ltd. and Comet-Krain Mines Ltd.

September 6, 2017

History: Dansey 580839 Claim Group (cont'd)

Dansey prospect (cont'd)

In 1969, Noranda Exploration Company Limited conducted a soil geochemical survey and induced polarization surveys over the Mike, Bill, Tom and JB claims. In 1974, North Pacific Mines Ltd. conducted percussion drilling in 5 holes totalling 384 metres on the Tom claims.

In 1965, an induced polarization survey (15 kilometres) was completed on the Cow claims on behalf of The Consolidated Mining and Smelting Company of Canada Limited. In 1969, work done on behalf of Laura Mines Limited on the WJ claims, which covered the BX showing, consisted of 93 kilometres of line cutting, 1567 soil samples, 93 kilometres of ground magnetometer survey, 43 kilometres of induced polarization survey, geological mapping, 4 trenches totalling 152 metres were bulldozed and 9 diamond-drill holes totalling 853 metres were put down.

DAB showing (Porphyry Cu+/-Mo+-Au) MINFILE 092INE040 Within Tenure 1015895

In 1967, an aeromagnetic survey was conducted over some of the Dab claims on behalf of Alwin Mining Company Limited and in 1968-69 a soil geochemical survey (969 samples) was run over 28 kilometres of grid.

GEOLOGY: REGIONAL

The Dansey 1051895 Claim Group is located on the southern Intermontane Belt of British Columbia on the southern extent of the Quesnel Trench. The central geological features of this region are the Late Triassic island-arc volcanic rocks of the Nicola Group, and Late Triassic mudstone, siltstone and shale clastic sedimentary rocks located to the east, and intrusive granodioritic rocks of the Late Triassic to early Jurassic. The Nicola Group is a succession of Late Triassic island-arc volcanic rocks. The Nicola Group volcanic rocks form part of a 30km to 60km wide northwest-trending belt extending from southern B.C. into the southern Yukon. This belt is enclosed by older rocks and intruded by batholiths and smaller intrusive rocks. Major batholiths in the area of the Logan Copper Property include the Guichon Creek Batholith to the west, the Wild Horse Batholith to the east, and the Iron Mask Batholith to the north northeast.

The Guichon Creek batholith is a large, composite intrusion with a surface area of about 1,000 square kilometers. A cluster of nine major porphyry copper deposits lie within a 15 square kilometer zone in the center of the batholith. The Dansey 1051895 Claim Group is situated partly on the eastern contact of the Guichon Creek Batholith and predominantly on the Nicola volcanics within 14 kilometres east of the Highland Valley Copper Mine.

The batholith is a semi-concordant composite intrusive that is elliptical and elongated slightly west of north. A central, steeply plunging root or feeder zone is inferred under Highland Valley, and the major deposits lie around the projection of the feeder zone to the surface.

The batholith has intruded and metamorphosed island-arc volcanic and associated sedimentary rocks of the Nicola Group, and a metamorphic halo up to 500 meters wide is developed adjacent to the contact. Rocks along the edge of the batholith are older and more mafic, and successive phases moving inward toward the core are younger and more felsic.

Geology: Regional (cont'd)

Although contacts can be sharp, they are generally gradational and chilled contacts are not common. Variations in the batholiths geochemistry indicate local areas of assimilated country rock in the border zone and roof pendants in the intrusion. Outcrop areas have inclusions of amphibolite and "granitized" metamorphic rocks and compositional variations.

Two younger volcanic-dominated successions are important in the area. First, a northwest trending belt of Cretaceous continental volcanic and sedimentary rocks of the Spences Bridge Group unconformably overlie both the Nicola Group country rock and intrusive rocks along the southwest flank of the batholith. Distribution of the Spences Bridge Group rocks was locally controlled by reactivation of older faults that were important mineralization conduits in the batholith, such as the Lornex fault. Second, continental volcanic and sedimentary rocks of the Tertiary Kamloops Group cover extensive areas of the batholith and also overlie Triassic and Jurassic rocks from north of Highland Valley to the Thompson River.

GEOLOGY: DANSEY 1051895 CLAIM GROUP AREA

The geology of some of the more significant mineral MINFILE reported occurrences, prospects, and past producers peripheral to the Dansey 1051895 Claim Group is reported as follows. The distance to the Minfile locations is relative to the Dansey 1051895 Claim Group.

BETHLEHEM past producer (Porphyry Cu+/-Mo+-Au)

MINFILE 092ISW001

Five kilometres west-southwest

The Bethlehem property lies within the Early Jurassic-Late Triassic Guichon Creek batholith and straddles an intrusive contact where younger Bethlehem phase rocks form an irregular embayment in older Guichon variety rocks. The Bethlehem phase is medium-grained granodiorite to quartz diorite which ranges from equigranular to hornblende-biotite porphyry. The Guichon variety is medium-grained granodiorite. Igneous breccias are postulated to have been forcefully emplaced. Clasts up to 20 centimetres in diameter are subrounded and sit in a generally compact, but sometimes vuggy matrix. The granodiorites and breccias are intruded by north trending, steeply dipping dykes which are compositionally similar to the enclosing rocks; contacts are chilled. Most of the dykes are dacite porphyry and range in width from less than 1 metre to 60 metres.

The Bethlehem ore deposits (East Jersey (092ISE002), Huestis (092ISE004), Iona (092ISE006), and Snowstorm (092ISE005) are controlled by north trending faults and are localized in zones of closely-spaced fractures. Mineralization is concentrated in breccia bodies, faults and highly fractured areas. The Jersey fault cuts through the centre of the Jersey pit.

Hydrothermal alteration is restricted to the immediate area of the ore zones. The distribution of secondary biotite defines an inner potassic zone, sericite with kaolinite and montmorillonite define an intermediate phyllic zone, and epidote defines a peripheral propylitic zone. There is an outer halo of chloritized mafic minerals. Calcite, zeolite and quartz veining and vug-filling is common.

Metallic mineral zoning is very similar to alteration patterns. Bornite and chalcopyrite occur in the hydrothermal biotite zone, specularite in the epidote zone and minor pyrite in the outer halo. Molybdenite, chalcocite and magnetite occur in minor amounts. Malachite, azurite, chrysocolla, cuprite, native copper, hematite, goethite and manganese oxides occur to shallow depths.

BETHLEHEM (EAST JERSEY) – past producer (Porphyry Cu +/- Mo +/- Au) MINFILE 092ISE002

Five kilometres west-southwest

The property lies within the Early Jurassic-Late Triassic Guichon Creek batholith and straddles an intrusive contact where younger Bethlehem phase quartz diorite to granodiorite forms an irregular embayment in older Guichon variety granodiorite. Igneous breccias are believed to have been forcefully emplaced. The granodiorites and breccias are intruded by north trending swarms of dacite porphyry dykes which dip steeply and are up to 60 metres wide.

The Bethlehem (East Jersey) deposit is partly controlled by faults and is localized in breccia bodies and intensely fractured zones. Potassic, phyllic and propylitic alteration are confined to areas of ore concentration. Alteration minerals include biotite, sericite, kaolinite, epidote and chlorite and are typically zoned. Quartz, calcite and zeolite (laumontite) veining and vug-filling is common. The principal ore minerals are molybdenite, bornite and chalcopyrite and occur with numerous supergene copper minerals and copper oxides. An age date from a sample of a mixture of magmatic and hydrothermal biotite from the Iona ore zone (092ISE006) returned 199 Ma +/- 8 Ma (Canadian Institute of Mining and Metallurgy Special Volume 15).

HIGHLAND VALLEY COPPER producer (Porphyry Cu+/-Mo+-Au)

MINFILE 092ISW012

Ten kilometres west-southwest

The Valley deposit lies within the Late Triassic to Early Jurassic Guichon Creek batholith and is hosted by Bethsaida phase porphyritic quartz monzonite and granodiorite. Feldspar porphyry and quartz feldspar porphyry dykes 0.6 to 35 metres wide dip steeply eastward in the western and central areas, and northward in the southern area of the deposit. These dykes are cut by mineralized fractures and quartz veinlets, and have been dated at 204 Ma +/- 4 Ma.

The Bethsaida granodiorite is also intruded by aplite dykes up to 30 centimetres wide, tan-coloured felsite dykes up to 4.5 metres wide, and three types of lamprophyre dykes (spessartite, hornblende vogesite, vogesite).

The most prominent structural features are the north trending, west dipping Lornex fault and the east trending Highland Valley fault. Faults and fractures in the deposit comprise four main sets. Quartz veinlets are subparallel to two of the earlier formed fault and fracture sets.

Silicic, potassic, phyllic, argillic and propylitic alteration are intimately associated. Stockworks of quartz veinlets 1 to 2 centimetres in width are common. Vuggy veinlets have envelopes of mediumgrained sericite and/or potassic feldspar, and contain minor amounts of sericite, plagioclase, potassium feldspar, calcite, hematite, bornite, chalcopyrite, molybdenite, digenite and covellite.

These veinlets are moderately abundant within the 0.3 per cent copper isopleth. An area of welldeveloped barren quartz veinlets, generally 0.5 to 1.3 millimetres wide, without alteration envelopes, occurs in the southeastern part of the deposit.

In the west-central part of the deposit, potassium feldspar is associated with vein sericite in some replacement zones, as veinlet envelopes along fractures, and disseminated in quartz veinlets. Hydrothermal biotite occurs in small amounts.



Figure 4. Geology, Claim, Index & Minfile

GEOLOGY MAP LEGEND

Mivb

Miocene-unnamed Basaltic volcanic rocks **EKav** Eocene-Kamloops Group Undivided volcanic rocks

EPrb

Eocene-Penticton Group Andesitic volcanic rocks

Upper Triassic-Nicola Group uTrNW

Western Volcanic Facies undivided volcanic rocks uTrNc

Central Volcanic Facies

undivided volcanic rocks

uTrNE

Eastern Volcanic Facies basaltic volcanic rocks uTrN undivided volcanic rocks Late Triassic to Early Jurassic LTrJGB

GUICHON CREEK BATHOLITH

LTrJGBe – Bethlehem Phase granodioritic intrusive rocks LTrJGB – Bethsaida Phase quartz monzonitic intrusive rocks LTrJGH – Highland Valley Phase granodioritic intrusive rocks LTrJGG – Gump Lake Phase granodioritic intrusive rocks LTrJGBo – Border Phase quartz dioritic intrusive rocks

Highland Valley Copper producer (cont'd)

Flaky sericite and quartz, both as replacement zones and as envelopes around quartz veinlets, constitute the most common type of alteration associated with copper mineralization.

Strong phyllic alteration coincides with the 0.5 per cent copper isopleth. Phyllic alteration is closely associated with pervasive argillization, which is strongest where fractures are most closely-spaced. Feldspars are altered to sericite, kaolinite, quartz and calcite. The phyllic-argillic zone grades outward to a peripheral zone of weak to moderate propylitization, characterized by clay, sericite, epidote, clinozoisite and calcite replacing plagioclase, and chlorite and epidote replacing biotite.

At the Valley deposit, gypsum is interpreted to be secondary and post-ore. It is commonly fibrous and white to orange but locally it forms large platy crystals or may be massive. Anhydrite, which is also present, provides indirect evidence for the secondary nature of the gypsum. It is apparently the same age as and associated with sericitic and potassic alteration. Quartz-gypsum veins and quartz-potash feldspar veins in which gypsum fills interstices provide more direct evidence for its secondary nature. Gypsum is believed to have formed at the expense of anhydrite which was deposited from the ore-forming fluids. Gypsum veins are common in the lower portion of the orebody (Open File 1991-15).

Sulphides occur chiefly as disseminations in quartz veinlets, and in phyllic (bornite) and potassic (chalcopyrite) alteration zones. Mineralization includes bornite and chalcopyrite, with minor digenite, covellite, pyrite, pyrrhotite, molybdenite, sphalerite and galena. The oxide zone averages 4.5 metres in thickness, and contains limonite, malachite, pyrolusite, digenite, native copper, and tenorite(?).

LODGE showing (Porphyry Cu +/- Mo +/- Au) MINFILE 092INE041 Five kilometres west

The Lodge showing area is underlain by Guichon variety quartz diorite of the Late Triassic-Middle Jurassic Guichon Creek batholith which has been cut by dikes and irregular bodies of younger quartz diorite. Low grade copper mineralization has been found at several places on the property in or closely associated with north-south faults. In 1974, Bethlehem Copper Corporation drilled 2 percussion holes which intersected granodiorite of the Guichon Creek batholith.

BX prospect (Porphyry Cu+/-Mo+-Au) MINFILE 092INE042 Two kilometres west

The BX showing area is underlain by quartz diorite (Guichon variety) of the Late Triassic-Middle Jurassic Guichon Creek batholith which in places are cut by finer dike rocks correlated with the Witches Brook phase of the batholith.

A long, north trending, altered shear zone has been exposed by trenching on the original BX claims. The shear zone is at least 762 metres long and 122 metres wide. The altered rock is chlorite rich and the shear zone is surrounded by partially brecciated, sheared, weathered or decomposed quartz diorite. Calcite veinlets, rich in iron, run through the area giving rise to considerable rust staining. Hematite, quartz and epidote veinlets (up to 7 centimetres wide) are also present.

September 6, 2017

RM showing (Porphyry Cu +/- Mo +/- Au) MINFILE 09INE111 One kilometre north

The RM property lies near the northwesterly trending contact between Upper Triassic Nicola Group volcanic rocks in the east from Late Triassic-Middle Jurassic Guichon Creek batholith intrusive rocks to the west.

GEOLOGY: DANSEY 1051895 CLAIM GROUP

As indicated by the BC government supported MapPlace geological maps, the Dansey 1051895 Claim Group is predominantly underlain by rocks of the Guichon Batholith with a predominance of granodioritic rocks of the Highland Valley Phase (LTrJGH} and the quartz dioritic rocks of the Border phase. The rocks are in a north- northwesterly trending regional fault contact with the Western Volcanic Facies of the upper Triassic Nicola Group (uTrNW) in the north and in an intrusive contact in the south. Tenure 1051895 is totally underlain by the Nicola Group (uTrNW) fringed on the southwest corner by the Border Phase.

The geology of the mineral MINFILE reported occurrences, prospects, and past producers within the Dansey 1051895 Claim Group is reported as follows.

DANSEY prospect (Porphyry Cu+/-Mo+-Au) MINFILE 092INE034 Within Tenure 1015895

The Dansey property is located at the eastern edge of the Late Triassic-Middle Jurassic Guichon Creek batholith and overlies the contact between Hybrid phase and Guichon variety rocks. Three main rock types are evident and comprise diorite, quartz diorite and granodiorite. Fracturing and shearing are abundant in the diorite and quartz diorite but markedly less in the granodiorite.

DAB showing (Porphyry Cu+/-Mo+-Au) MINFILE 092INE040 Within Tenure 1015895

The Dab property lies close to the northwest trending contact between Upper Triassic Nicola Group volcanics to the east from intrusive rocks of the Late Triassic-Middle Jurassic Guichon Creek batholith to the west. In this area Guichon rocks appear to be quartz diorite of the Hybrid phase.

MINERALIZATION: DANSEY 1051895 CLAIM GROUP AREA

The mineralization on some of the more significant mineral MINFILE reported occurrences, prospects, and past producers peripheral to the Dansey 1051895 Claim Group is reported as follows. The distance to the Minfile locations is relative to the Dansey 1051895 Claim Group.

BETHLEHEM past producer (Porphyry Cu+/-Mo+-Au) MINFILE 092ISW001 Five kilometres west-southwest

The Jersey orebody hosts disseminated mineralization and occurs in an area of relatively evenly distributed and variously oriented pervasive fracturing. Irregular, discontinuous quartz veins also hosts mineralization.

September 6, 2017

Mineralization: Dansey 1051895 Claim Group Area(cont'd)

Bethlehem past producer (cont'd)

Production from the Jersey pit began in 1964 and from the Jersey pit extension in 1977

Reserves for the Jersey deposit are 22.9 million tonnes of 0.40 per cent copper. Total reserves for the Bethlehem deposits (Jersey, East Jersey and Iona) are 43.5 million tonnes (plus 6 million tonnes oxide) grading 0.40 per cent copper, minor molybdenum and 0.013 grams per tonne gold (CIM Special Volume 46, page 175).

BETHLEHEM (EAST JERSEY) – past producer (Porphyry Cu +/- Mo +/- Au)

MINFILE 092ISE002

Five kilometres west-southwest

Reserves for the East Jersey are 20.6 million tonnes of 0.40 per cent copper (CIM Special Volume 46, page 175).

HIGHLAND VALLEY COPPER producer (Porphyry Cu+/-Mo+-Au)

MINFILE 092ISW012

Ten kilometres west-southwest

Highland Valley Copper operates two distinct mines, the Valley mine and the Lornex mine, and between the two has measured and indicated ore reserves of 761 million tonnes of 0.408 per cent copper and 0.0072 molybdenum.

The ore reserves of each mine are: Valley mine - 627 million tonnes at 0.418 per cent copper and 0.0056 per cent molybdenum; Lornex mine - 135 million tonnes at 0.364 per cent copper and 0.0144 per cent molybdenum.

LODGE showing (Porphyry Cu +/- Mo +/- Au) MINFILE 092INE041

Five kilometres west

Low grade copper mineralization has been found at several places on the property in or closely associated with north-south faults.

Mineralization is rare and consists of occasional specks of pyrite, chalcopyrite and molybdenite.

BX showing (Porphyry Cu +/- Mo +/- Au) MINFILE 092ISE072 Two kilometres west

Two kilometres west

Mineralization is not obviously related to the sericitic and limonitic alteration of the aplite and the granodiorite. Chalcopyrite occurs as disseminations in relatively fresh quartzose or biotite- rich zones in the granodiorite, as disseminations in biotite aplite, and in veins or pockets with quartz, alone or with pyrite, potassium feldspar or epidote. Some veins parallel foliation, others dip gently. A chip sample across a 75 centimetre veined, rusty mineralized zone assayed 0.35 per cent copper with traces of gold and silver (Geology, Exploration and Mining in British Columbia 1974). Some molybdenite was reported when the showing was first discovered (1915).

Mineralization: Dansey 1051895 Claim Group Area(cont'd)

RM showing (Porphyry Cu +/- Mo +/- Au) MINFILE 09INE111 One kilometre north

Disseminated copper mineralization (inferred to be chalcopyrite) occurs in altered quartz diorite of the Hybrid phase of the Guichon Creek batholith.

WENDY prospect (Porphyry Cu +/- Mo +/- Au) MINFILE 092ISE154 Two kilometres south

Minor chalcopyrite and malachite occur as narrow veins or along joint planes and as fine disseminations in the intrusive rocks.

MINERALIZATION: DANSEY 1051895 CLAIM GROUP

The mineralization on the mineral MINFILE reported occurrences, prospects, and past producers within the Dansey 1051895 Claim Group is reported as follows

DANSEY prospect (Porphyry Cu+/-Mo+-Au) MINFILE 092INE034 Within Tenure 1015895

Mineralization on the Dansey property is associated with diorite and quartz diorite. Most of the mineralization occurs along fractures but the majority of it is associated with a second group of fractures that strike from 040 to 080 degrees. The main minerals include chalcopyrite and pyrite, with minor amounts of molybdenite, specularite, chalcocite and bornite. Malachite, azurite and chrysocolla occur as secondary minerals. Areas of moderate copper-molybdenum mineralization (>0.1 per cent copper) occur near the contact between diorite and quartz diorite with weak zones of copper-molybdenum mineralization scattered throughout the diorite.

reports (W.J. McMillan, 1970).

Trenching has exposed disseminations and blebs of chalcopyrite, pyrite, bornite, hematite, magnetite and molybdenite mineralization in and adjacent to several northeast faults and shear zones in quartz diorite. The faults and shears mostly dip northwest at moderate to high angles. The shears are characterized by intensely chloritized and sericitized quartz diorite and vary from 1.5 to 9 metres wide. Near the shears are random fractured zones with pyrite and minor chalcopyrite on fracture planes.

DAB showing (Porphyry Cu+/-Mo+-Au) MINFILE 092INE040 Within Tenure 1015895

Very low grade copper mineralization (inferred to be disseminated chalcopyrite) occurs in mafic intrusive rocks (Nicola?). The mineralization was found by drilling but is not reported in assessment

EXPLORATION PROGRAM

Geochemical Survey

From May 16, 2017 to June 19, 2017 a localized soil geochemistry survey was completed on the Dansey 1051895 Claim Group. The purpose of the soil survey was to locate any mineralized area within the Guichon Creek Batholith that may be indicative of a deep-seated porphyry copper resource. Any correlation of anomalous soil geochemical results that correlate with any other exploration survey results would enhance the prospects for a mineral resource. Sixteen soil samples were taken on one north-south grid line on Tenure 1051895.

The centre of the work area on is at 5,599,375N, 649,650 UTM 10 (NAD 83).



Figure 5. Roads, creeks, topography, minfile, and Index Map

b) Sampling Procedure

Soil samples were taken along a one-line northerly from 649650E 5599000N at 25 metre intervals to 559970N. At each of 16 grid stations, which were established by a GPS instrument, pits were dug with a mattock, typically to a depth of about 30cm to be able to clearly discern a soil B-horizon and extract a sample with each sample placed into a Kraft manila envelope. A total of 16 samples were taken.

c) Analytical Methods

The samples were submitted to the ALS Mineral laboratory in Kamloops, BC Canada on July 24, 2017 for a 30 element analysis. The sample preparation and analytical procedures are shown on Certificate KL17152281 attached herein in Appendix I.

September 6, 2017

Geochemical Survey (cont'd)

d) Data Processing

Three maps were prepared showing the assay results in parts per million for arsenic, copper, and molybdenum utilizing a Surfer 31 program.

d) Results

The results of the three elements were not statistically analyzed due to the low number of samples (16). From a visual analysis all the results would be considered within the background range without any one assay that could be considered as anomalous or sub-anomalous.



Figure 6. Sample sites, UTM locations, topography

Guy & Christopher Delorme



Figure 7. Soil Geochemical Survey: Arsenic Results

Geochemical Survey (cont'd)



Figure 8. Soil Geochemical Survey: Copper Results

Geochemical Survey (cont'd)

Figure 9. Soil Geochemical Survey: Molybdenum Results

Grid coordi	nates	are bas	sed or	UTM Zone 10 NAD 83
Molybdenum values are parts per million (ppm)				
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	ô	1 *	ô	
5599500 N	- °	1 *	° _	
	ô	2 *	ô	
5599400 N	- °	1 *	° -	
	ô	1 *	ô	
5599300 N	- º	1 *	° -	
	ô	1 *	ô	
5599200 N	- Ŷ	1	° –	
	ô	0	ô	
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5599000 N	0	0	0 + -	
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September 6, 2017



(Base map from AR 30458)



INTERPRETATION and CONCLUSIONS

The 2017 localized soil survey was completed within 250 metres west-northwest of the Central Anomaly, one of three anomalies delineated in a general 2008 MMI soil sampling survey. Mark (2008) describes the Central Anomaly as consisting of:

"... very strong copper values that reach 333,329 ppb, which is extremely high for MMI copper. This copper-molybdenum-gold-silver anomalous area extends in a northerly direction by 800 metres in a westerly direction, and is open to the west."

The "very strong" anomalous copper portion of the 2008 survey was indicated as triangular with the apex of the triangle cut off at the west-central portion of the Dansey Grid which delineated the Central Anomaly (Figure 9).

As the 2017 survey grid was initiated 200 metres north and 150 metres west of the 2008 western anomalous extension, the projection of the 2008 anomalous copper western extension could not be verified.

The 2017 soil survey was not successful in delineating areas that warrant additional exploration.

Respectfully submitted Sookochoff Consultants Inc.



Laurence Sookochoff, PEng

SELECTED REFERENCES

Garrow, T. – 2010 Diamond Drilling Assessment Report on the Dansey Project for Logan Copper Inc. May 31, 2011. AR 32290

Garrow, T. – 2010 Diamond Drilling Assessment Report on the Dansey Project for Highland North Inc. January 20, 2012. AR 32980.

MapPlace – Map Data downloads

Mark, D.G. - Geochemistry Report on MMI Soil Sampling Surveys on the Dansey, Noname, and Last SNL Grids for Logan Copper Inc. September 10, 2008. AR 30458.

McMillan, W.J. – Geology and Genesis of the Highland Valley Ore Deposits and the Guichon Creek Batholith. British Columbia Ministry of Mines and Petroleum Resources, Victoria, B.C. Geological Association of Canada Society of Economic Geologists. Joint Annual Meeting, 1977 Vancouver, B.C. Field Trip No.3: Guidebook. Guichon Creek Batholith and Mineral Deposits. April 27-29, 1977

Minfile Downloads

092ISE001 – BETHLEHEM 092ISE002 – BETHLEHEM (EAST JERSEY) 092ISW012 – HIGHLAND VALLEY COPPER 092INE034 – DANSEY 092INE040 – DAB 092INE041 – LODGE 092INE042 – BX

MtOnline - MINFILE downloads.

Sookochoff, L., Zhonghua, P. – Dansey Project Technical Report for Logan Copper Inc. January 16, 2010.

Sookochoff, L. – Geological Assessment Report for Guy and Christopher Delorme on Tenure 585384 of the Dansey 585384 Claim Group. November 20, 2013. AR35003.

Sookochoff, L. – Geological Assessment Report on the DAB claim Tenure No.528849. June 27, 2007. AR 29173.

Sookochoff, L. – Geological Assessment Report on the Dansey Claim Tenure No.528848. June 10, 2007. AR 29164.

Zhonghua, P. – 2009 Diamond Drilling Assessment Report on the Dansey Project for Logan Copper Inc. March 31, 2011. AR 32153.

Zhonghua, P. – Drill Report on the Dansey Project for Logan Copper Inc. January 15, 2010. AR 31466.

Dansey 1051895 Claim Group

STATEMENT OF COSTS

Work was done from May 16, 2016 to June 19, 2016 to the value as follows:

Christopher Delorme & Guy Delorme

Three man days @ \$300.00 per day	900.00
Truck rental, kilometre charge, fuel	362.30
Accommodation & Food	348.60
Field supplies	160.00
	\$ <u>1,770.90</u>
Maps	400.00
Report	<u>2,500.00</u>
	\$ 4,670.90

CERTIFICATE

I, Laurence Sookochoff, of the City of Vancouver, in the Province of British Columbia, do hereby certify:

That I am a Consulting Geologist and principal of Sookochoff Consultants Inc. with an address at 120 125A-1030 Denman Street, Vancouver, BC V6G 2M6.

I, Laurence Sookochoff, further certify that:

1) I am a graduate of the University of British Columbia (1966) and hold a B.Sc. degree in Geology.

2) I have been practicing my profession for the past fifty-one years.

3) I am registered and in good standing with the Engineers and Geoscientists BC

4) The information for this report is based on information as itemized in the Selected Reference section of this report and from work the author has performed in the Highland Valley area.

5) I have no interest in the Dansey 1051895 Claim Group as described herein.



Laurence Sookochoff, P. Eng.

Appendix I

Geochemical Assay Certficate

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ALS
Minerals

ALS Canada Ltd. 2103 Dollarton Hwy North Vancouver 8C V7H 0A7 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218 www.alsglobal.com

To: CHRISTOPHER DELORME 340 LOGAN LANE AVE. MERRITT BC V1K 1C8

Page: 1 Total # Pages: 2 (A - C) Plus Appendix Pages Finalized Date: 30- JUL- 2017 This copy reported on 15- AUG- 2017 Account: DELOCH

CERTIFICATE KL17152281

Project: HVP

This report is for 16 Soil samples submitted to our lab in Kamloops, BC, Canada on 24-JUL- 2017.

The following have access to data associated with this certificate: CHRISTOPHER DELORME

ON	
Sample Weight	
gin - Rcd w/o BarCode	
- 180um and save both	
	sample Weight gin - Rcd w/o BarCode - 180um and save both

	ANALYTICAL PROCEDUR	ES
ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: CHRISTOPHER DELORME ATTN: CHRISTOPHER DELORME 340 LOGAN LANE AVE. MERRITT BC V1K 1C8

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

Guy

ଛ

Christopher Delorme

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ample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME- ICP41 AI N 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 BI ppm 2	ME-ICP41 Ca N 0.01	ME-ICP41 Cd ppm 0.5	ME-8CP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm T	ME-ICP41 Fe N 0.01	ME-ICP41 Ga ppm 10
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***** See Appendix Page for comments regarding this certificate *****



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

Dansey 1051895 Claim Group

Guy & Christopher Delorme

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								CERTIFICATE OF ANALYSIS KL17152281
Sample Description	Method Analyte Units LOR	ME-3CP41 TI S 0.01	ME-ICP41 TI ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	
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forge-5		0.12	<10	<10	88	<10	36	
forge-6		0.13	<10	<10	162	<10	58	
orge-7		0,15	<10	<10	117	<10	39	
orge-8		0.12	<10	<10	98	<110	52	
orge-9		0.12	<10	<10	125	<10	49	
orge-10		0.12	<10	<10	114	<10	69	
Forge-11		0.16	<10	<10	127	<10	52	
Forge-12		0.14	<10	<10	86	<10	39	
Forge-13		0.11	<10	<10	40	<10	153	
forge-14		0.12	<10	<10	60	<10	69	
rorge- 15		0.10	<10	<10	109	410	13	

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

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ALS) Minerals

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Project: HVP

CERTIFICATE OF ANALYSIS KL17152281

	CERTIFICATE COMMENTS
Applies to Method: Applies to Method:	LABORATORY ADDRESSES Processed at ALS Kamloops located at 2953 Shuswap Drive, Kamloops, BC, Canada. LOG- 22 SCR- 41 WEI- 21 Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. ME- ICP41

Event 5653477

Guy & Christopher Delorme