

TEMAS RESOURCES CORP.

**2019 TECHNICAL (N.I. 43-101) REPORT ON
THE DAB PROPERTY**

Located in Baie Comeau Region, Québec
NTS 22F13/F14 and 22K03/K04 Centered
5541330mN 460050mE Zone 19

-prepared for-

TEMAS RESOURCES CORP.
Suite 2300 - 1177 West Hastings Street
Vancouver, British Columbia, Canada
V6E 2K3

-prepared by-

Rory Kutluoglu, P.Geo.
902-1438 Richards St.
Vancouver, British Columbia, Canada
V6Z 3B8

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1.0 SUMMARY

This National Instruments 43-101 compliant technical report on the DAB project (“the project”), located 150km north of Baie-Comeau, in the province of Quebec, Canada was prepared by Rory Kutluoglu, P.Geo for Temas Resources Corp. to support the listing of the Company on the Canadian Securities Exchange.

The project is located in the North Shore region of the province of Quebec, part of the Grenville Geological Province. The Grenville province consists of gneiss domes and basins with complex and irregular structural patterns, intrusive rocks of variable composition, from gabbros to alkaline rocks. The lithologies are divided into three major units: the gneissic and intrusive rocks of varied composition of the Hulot Complex, intrusive rocks that include the east-west trending La Blache Anorthosite Complex, and late crosscutting gabbro-norites, gabbros, diabasic gabbros, mangerites, granites and pegmatites. The property is comprised of 128 contiguous mineral claims and the La Blache Anorthosite Complex hosts lenses of Titaniferous magnetite in tabular bodies within the area and property. The showing of interest on the property is at the northeast end of the project and is called the Farrell-Mason. During the 2011-12 exploration program Nevado drilled 6 holes testing the magnetic anomaly and limited surface exposure to try and define another tabular body.

The most advanced showing on the property is The Farrell-Mason showing, which is an identifiable magnetic anomaly with outcropping Magnetite rich showings. In 2011 this showing was drilled with 6 holes testing different aspects of the anomaly to attempt to define the boundaries of a tabular body. Drilling in this area intersected 17.99m of 64.65% Fe₂O₃, 0.46% V₂O₅ and 18.82% TiO₂ from surface (overburden was 0.51m). With higher resolution magnetic mapping and geophysical interpretation, drilling should be conducted in this target area to further delineate the potential identified in previous drilling.

The author visited the property on July 15th and 16th, 2019 for a review of exploration methodology, sampling procedures, and to conduct an independent visit of the property.

2.0 INTRODUCTION

This report has been prepared for Temas Resources Corp. (“Temas”) in order to satisfy its disclosure requirements for the CSE to describe the geologic exploration potential at the DAB property. Longford Exploration Services Ltd. (“Longford”) has been engaged by Temas to conduct the exploration on the property the DAB property in the field, to compile all exploration information available on the property. The author of this report was engaged to visit the property, review both historic information and Longford’s efforts with the purpose of recommendation for further exploration, if warranted. This report has been prepared on the basis of personal observations, on assessment reports filed with the Quebec Ministry of Energy and Natural Resources (“MERN”), on data and reports supplied by Temas, on news releases issued by previous land holders and on regional geological publications by MERN. A complete list of references is provided in Appendix A.

The Author, an independent Qualified Person under the meaning of National Instrument 43-101 (“NI 43-101”), examined the DAB property July 16th and 17th, 2019. This examination of the property consisted of random sampling of the Farrell-Mason surface exposure, review of the work conducted by Longford and an initial review of historic drill material for content and review of lithology and mineralization.

The author is not a director, officer or significant shareholder of Temas and have no interest in the DAB property or any nearby properties. The author is registered member in good standing as a professional geologist (P.Geo) in the province of British Columbia with the Engineers and Geoscientists of British Columbia.

Units and abbreviations used in this report are as follows:

Units:

cm	centimetre
%	Percent
°	Degrees
°C	Degrees Celsius
C\$	Canadian dollar
g/t	grams/tonne
ha	hectare
km	kilometre
Km ²	Square Kilometres
kg	kilogram
m	metre
mm	millimetre
mV/V	millivolt per volt
nT	nanotesla
oz/ton	troy ounce per short ton
ppb	part per billion
ppm	part per million
µm	microns

Abbreviations:

AAS	atomic absorption spectroscopy
Ag	silver
AR	assessment report
Au	gold
Ca	calcium
CSE	Canadian
Cu	copper
DDH	diamond drill hole
EM	electromagnetic
FA	fire assay
Fe	Iron
Fe ₂ O ₃	Magnetite
GESTIM	Gestion des titres miniers (Management of mining titles)
GPS	global positioning system
HLEM	horizontal loop EM
IP	induced polarization
IPL	International Plasma Laboratories
ISO	International Standards Organization
K	potassium
Ltd	Limited
M+I	measured and indicated
Ma	million years ago
MERN	Ministry of Energy and Natural Resources
Mo	molybdenum
MoS ₂	molybdenum di-sulphide
MRNFQ	
MTO	Mineral Titles Online
N	north
NI	National Instruments
Ni	Nickel

NAD-83	North American Datum (1983)
NE	northeast
NI 43-101	National Instrument 43-101
NNE	north-northeast
NSR	net smelter return
Pb	lead
P.Geo	Professional Geologist
QA	quality assurance
QC	quality control
QSP	quartz-sericite-pyrite
SCC	sericite-clay-chlorite
TSX-V	Toronto Stock Exchange – Ventures
TiO ₂	Titanium Oxide
UTM	Universal Transverse Mercator
VLF-EM	very low frequency EM
V ₂ O ₅	Vanadium Oxide
W	west
Zn	zinc

3.0 RELIANCE ON OTHER EXPERTS

In Section 4.0, the authors have relied entirely upon information provided by Temas concerning the terms of their option agreement with the vendors, the terms of the underlying option agreement and the extent of any underlying interests and royalties. In Section 4.0, the author has relied entirely on the MERN website, GESTIM for tenure data. The authors have not relied upon a report, opinion or statement of another expert concerning legal, political, environmental or tax matters relevant to the technical report.

There has been no additional reliance on other experts for the production of this report or the information contained herein.

4.0 PROPERTY DESCRIPTION AND LOCATION

The DAB property consists of 128 contiguous mineral claims which cover 6,813.72 hectares (68.14 km²) of the north shore area of Quebec (Figure 1). It is centred at 50° 02' N latitude and -69° 56' W longitude (NAD-83 UTM Zone 19U: 5541330mN 460050mE) on NTS map-sheets 22F13/F14 and 22K03/K04.

Claim data is summarized in Table 1. All claims were acquired through GESTIM and cover cells whose boundaries are defined by latitudes and longitudes; the cells form a seamless grid without overlap (Figure 2). The work is being conducted with the appropriate exploration permits provided by the MERN. There are no environmental liabilities associated with the project.

Table 1: Tenure Data

Title Number	Polygon Number	Registration Date	Expiration Date	Hectares	Owner	Mapsheet
2532299	403684252	2019-02-26	2021-02-25	49.18	1088411 BC Ltd.	22K03
2532346	403684253	2019-02-27	2021-02-26	15.36	1088411 BC Ltd.	22K03
2532347	403684255	2019-02-27	2021-02-26	13.8	1088411 BC Ltd.	22K03
2532348	403684258	2019-02-27	2021-02-26	36.81	1088411 BC Ltd.	22K03
2532349	403684254	2019-02-27	2021-02-26	5.76	1088411 BC Ltd.	22K03
2532350	403684256	2019-02-27	2021-02-26	0.46	1088411 BC Ltd.	22K03
2532351	403684257	2019-02-27	2021-02-26	0.19	1088411 BC Ltd.	22K03

Title Number	Polygon Number	Registration Date	Expiration Date	Hectares	Owner	Mapsheet
2536270	401450622	2019-04-15	2021-04-14	55.27	1088411 BC Ltd.	22K03
2536271	401450595	2019-04-15	2021-04-14	55.26	1088411 BC Ltd.	22K03
2527707	401588361	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527708	401588362	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527709	401588363	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527710	402383239	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527711	401588364	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527712	401588365	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527713	401588366	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527714	401588367	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527715	401588368	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527716	401588369	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527717	401588370	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527718	401588332	2018-11-15	2020-11-14	55.35	1088411 BC Ltd.	22F13
2527719	401588333	2018-11-15	2020-11-14	55.35	1088411 BC Ltd.	22F13
2527720	401588334	2018-11-15	2020-11-14	55.35	1088411 BC Ltd.	22F13
2527721	401588335	2018-11-15	2020-11-14	55.35	1088411 BC Ltd.	22F13
2527722	401588336	2018-11-15	2020-11-14	55.35	1088411 BC Ltd.	22F13
2527723	401588337	2018-11-15	2020-11-14	55.35	1088411 BC Ltd.	22F13
2527724	401588338	2018-11-15	2020-11-14	55.35	1088411 BC Ltd.	22F13
2527725	401588339	2018-11-15	2020-11-14	55.35	1088411 BC Ltd.	22F13
2527726	401588340	2018-11-15	2020-11-14	55.35	1088411 BC Ltd.	22F13
2527727	401588341	2018-11-15	2020-11-14	55.35	1088411 BC Ltd.	22F13
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2527730	401588344	2018-11-15	2020-11-14	55.35	1088411 BC Ltd.	22F13
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2527732	401588346	2018-11-15	2020-11-14	55.35	1088411 BC Ltd.	22F13
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2527734	402556813	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527735	401588307	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
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2527737	401588309	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527738	401588310	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527739	401588312	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
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2527741	401588314	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527742	401588315	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527743	401588316	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527744	402556815	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527745	401588317	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527746	401588318	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527747	401588319	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527748	401450704	2018-11-15	2020-11-14	55.29	1088411 BC Ltd.	22K03
2527749	401450705	2018-11-15	2020-11-14	55.29	1088411 BC Ltd.	22K03
2527750	401450706	2018-11-15	2020-11-14	55.29	1088411 BC Ltd.	22K03
2527751	401450675	2018-11-15	2020-11-14	55.28	1088411 BC Ltd.	22K03
2527752	401450676	2018-11-15	2020-11-14	55.28	1088411 BC Ltd.	22K03
2527753	401450677	2018-11-15	2020-11-14	55.28	1088411 BC Ltd.	22K03

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2527756	401450680	2018-11-15	2020-11-14	55.28	1088411 BC Ltd.	22K03
2527757	401450681	2018-11-15	2020-11-14	55.28	1088411 BC Ltd.	22K03
2527758	401450649	2018-11-15	2020-11-14	55.28	1088411 BC Ltd.	22K03
2527759	401450650	2018-11-15	2020-11-14	55.28	1088411 BC Ltd.	22K03
2527760	401450651	2018-11-15	2020-11-14	55.28	1088411 BC Ltd.	22K03
2527761	401450652	2018-11-15	2020-11-14	55.27	1088411 BC Ltd.	22K03
2527762	401450653	2018-11-15	2020-11-14	55.27	1088411 BC Ltd.	22K03
2527763	401450654	2018-11-15	2020-11-14	55.27	1088411 BC Ltd.	22K03
2527764	401450655	2018-11-15	2020-11-14	55.27	1088411 BC Ltd.	22K03
2527765	401450619	2018-11-15	2020-11-14	55.27	1088411 BC Ltd.	22K03
2527766	401450620	2018-11-15	2020-11-14	55.27	1088411 BC Ltd.	22K03
2527767	401450621	2018-11-15	2020-11-14	55.27	1088411 BC Ltd.	22K03
2527768	401450623	2018-11-15	2020-11-14	55.27	1088411 BC Ltd.	22K03
2527769	401450624	2018-11-15	2020-11-14	55.27	1088411 BC Ltd.	22K03
2527770	401450625	2018-11-15	2020-11-14	55.27	1088411 BC Ltd.	22K03
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2527773	401450628	2018-11-15	2020-11-14	55.27	1088411 BC Ltd.	22K03
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2527776	401450599	2018-11-15	2020-11-14	55.26	1088411 BC Ltd.	22K03
2527777	401450600	2018-11-15	2020-11-14	55.26	1088411 BC Ltd.	22K03
2527778	401450601	2018-11-15	2020-11-14	55.26	1088411 BC Ltd.	22K03
2527779	401450565	2018-11-15	2020-11-14	55.25	1088411 BC Ltd.	22K03
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2527791	401453076	2018-11-15	2020-11-14	55.33	1088411 BC Ltd.	22K04
2527792	401453077	2018-11-15	2020-11-14	55.33	1088411 BC Ltd.	22K04
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2527794	401453080	2018-11-15	2020-11-14	55.33	1088411 BC Ltd.	22K04
2527795	401453081	2018-11-15	2020-11-14	55.33	1088411 BC Ltd.	22K04
2527796	401453082	2018-11-15	2020-11-14	55.33	1088411 BC Ltd.	22K04
2527797	401453083	2018-11-15	2020-11-14	55.33	1088411 BC Ltd.	22K04
2527798	401453084	2018-11-15	2020-11-14	55.33	1088411 BC Ltd.	22K04
2527799	401453085	2018-11-15	2020-11-14	55.33	1088411 BC Ltd.	22K04
2527800	401453049	2018-11-15	2020-11-14	55.32	1088411 BC Ltd.	22K04
2527801	401453050	2018-11-15	2020-11-14	55.32	1088411 BC Ltd.	22K04
2527802	401453051	2018-11-15	2020-11-14	55.32	1088411 BC Ltd.	22K04

Title Number	Polygon Number	Registration Date	Expiration Date	Hectares	Owner	Mapsheet
2527803	401453052	2018-11-15	2020-11-14	55.32	1088411 BC Ltd.	22K04
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2527805	401453054	2018-11-15	2020-11-14	55.32	1088411 BC Ltd.	22K04
2527806	401453055	2018-11-15	2020-11-14	55.32	1088411 BC Ltd.	22K04
2527807	401453056	2018-11-15	2020-11-14	55.32	1088411 BC Ltd.	22K04
2527808	401453026	2018-11-15	2020-11-14	55.31	1088411 BC Ltd.	22K04
2527809	401453027	2018-11-15	2020-11-14	55.31	1088411 BC Ltd.	22K04
2527810	401453028	2018-11-15	2020-11-14	55.31	1088411 BC Ltd.	22K04
2527811	401452998	2018-11-15	2020-11-14	55.3	1088411 BC Ltd.	22K04
2527812	401452999	2018-11-15	2020-11-14	55.3	1088411 BC Ltd.	22K04
2527813	401453000	2018-11-15	2020-11-14	55.3	1088411 BC Ltd.	22K04
2527814	401453001	2018-11-15	2020-11-14	55.3	1088411 BC Ltd.	22K04
2527815	401453002	2018-11-15	2020-11-14	55.3	1088411 BC Ltd.	22K04
2527816	401452968	2018-11-15	2020-11-14	55.29	1088411 BC Ltd.	22K04
2527817	401452969	2018-11-15	2020-11-14	55.29	1088411 BC Ltd.	22K04
2527818	401452970	2018-11-15	2020-11-14	55.29	1088411 BC Ltd.	22K04
2527819	402554294	2018-11-15	2020-11-14	55.29	1088411 BC Ltd.	22K04
2527820	401452971	2018-11-15	2020-11-14	55.29	1088411 BC Ltd.	22K04
2527821	401452944	2018-11-15	2020-11-14	55.28	1088411 BC Ltd.	22K04
2552490	401450596	2020-01-24	2022-01-23	55.26	1088411 BC Ltd.	22K04
2552491	401450597	2020-01-24	2022-01-23	55.26	1088411 BC Ltd.	22K04
2552492	401450598	2020-01-24	2022-01-23	55.26	1088411 BC Ltd.	22K04
2552493	401450567	2020-01-24	2022-01-24	55.26	1088411 BC Ltd.	22K04

All claims are registered to 1088411 BC Ltd, 1088411 BC Ltd. is dba Contigo. Contigo staked the DAB titles and vended them to Temas for a \$75,000 in two payments and 10,000,000 shares per an option agreement. The agreement, dated January 15th, 2020, provides the option to acquire 100% interest in DAB with a 2% NSR. The cash payment structure is \$25,000 cash payment made upon signing (January 15th, 2020) with an additional \$50,000 paid upon the 1st anniversary (January 15th, 2021). Temas issues 10,000,000 shares upon listing as a publicly traded company, pursuant to exchange approval. Contigo retains a 2% Net Smelter Return on the property. 1% of this NSR can be purchased at any time of Temas's choosing for \$1.5 Million.

The Lac La Blache sector is subject to ancestral rights claims of the Innu of Pessamit, as it is part of the Nitassinan Ancestral Territory of Pessamit. The authors are not aware of any exploration agreements between Temas and the Innu community.

The Pessamit territory, which is near the DAB property, covers an area of 135,000 km² and includes 4,000 members of the Innu Nation.



Contigo Resources Ltd.

Québec Dab Project Location Map

NAD83 EPSG:6623

Scale: 1:5,000,000

November 7, 2018

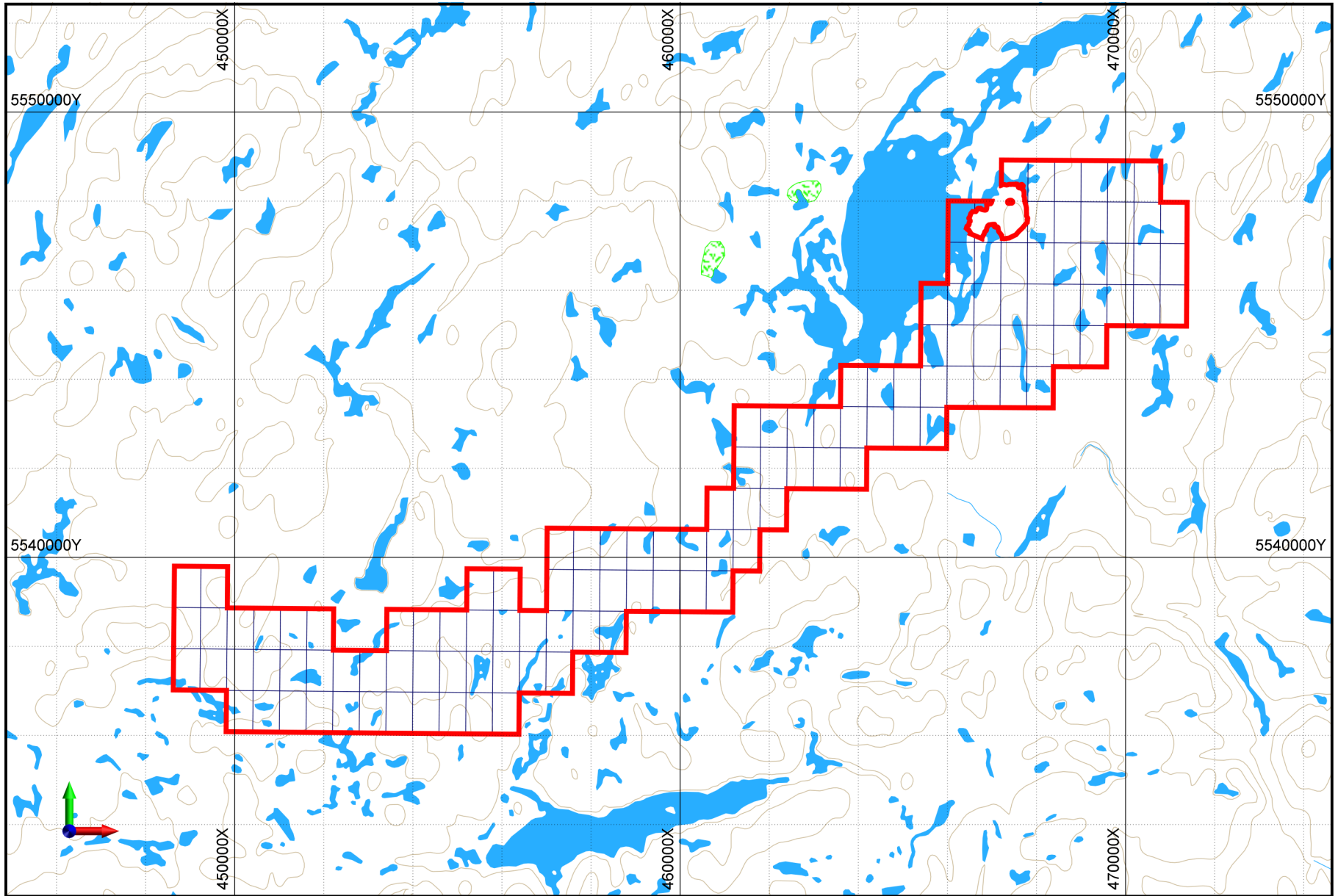








Dab Project

0 100 200 km

www.longfordex.com

LONGFORD
EXPLORATION



			<table border="1"> <tr> <td data-bbox="1022 1369 1115 1421">Scale is Approximate</td> <td data-bbox="1115 1369 1207 1421">Plot Date 31-Mar-2020</td> </tr> <tr> <td colspan="2" data-bbox="1022 1421 1207 1463"> <table border="1"> <tr> <td data-bbox="1022 1424 1073 1450">1000</td> <td data-bbox="1073 1424 1123 1450">0</td> <td data-bbox="1123 1424 1207 1450">1000m</td> </tr> <tr> <td colspan="3" data-bbox="1022 1450 1207 1463">  </td> </tr> </table> </td> </tr> </table>	Scale is Approximate	Plot Date 31-Mar-2020	<table border="1"> <tr> <td data-bbox="1022 1424 1073 1450">1000</td> <td data-bbox="1073 1424 1123 1450">0</td> <td data-bbox="1123 1424 1207 1450">1000m</td> </tr> <tr> <td colspan="3" data-bbox="1022 1450 1207 1463">  </td> </tr> </table>		1000	0	1000m				<p>DAB Property Claims</p>	<p>Temas Resources Corp.</p>
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5.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE, PHYSIOGRAPHY

The surrounding area to the property is uninhabited. The nearest city is Baie-Comeau which is located 150 km to the southeast on the North Shore of the St. Lawrence River. The main employer in the community is an Alcoa Aluminium Plant. The economic and industrial development in the region is based on mineral, forest and hydroelectric resources. There is a seaport at Baie-Comeau that facilitates the transport of ore and transshipping of grain in particular.

The region has an active forestry industry providing lumber and pulp & paper products. There are substantial hydroelectric facilities throughout the region. The Manicouagan region is situated at the intersection of Highways #138 and #389. Provincial Highway #138 links Montreal and Natashquan and follows the north shore of the St. Lawrence River. Highway #389 provides access to the mining towns of the northeast and links Baie-Comeau to the Labrador border.

The climate along the west coast of the northern part of St. Lawrence River is a typical cooler temperate climate: The summers are short, warm (average of 15.6° C in July) and humid with frequent rain (average ~90mm per month in the summer). Winters are cool, average temperature in the winter -10°C snow accumulation averaging 360cm per year. The. Mineral exploration of all types including drilling can be done throughout the year on the DAB property. It is easier when moving heavy equipment in winter across frozen lakes and rivers with less damage to the land surface. Data collected by Environment Canada (https://climate.weather.gc.ca/climate_normals/)

Most portions of the DAB property area has been burnt by forest fires at different times and lacks the normal woodcutting activities and secondary roads only allow limited access by truck into the property.

5.1 Physiography

The topography of the area is generally moderate to strongly mountainous. The regional drainage flow is southward by small and large rivers. The overburden consists of glacial-fluvial till and lacustrine deposits with a thickness typically less than 15m thick and averaging 3m depth. Elevation in the area averages 525m above sea level. Outcrops occur frequently throughout the Property.

Vegetation in the region is characterized by the boreal forest consisting of spruce, pines, poplars and aspens. Much of the DAB property area has been burnt by forest fires at different times and lacks the normal woodcutting activities and secondary roads typical of the area.

5.2 Accessibility

The property is located 150km northwest of the city of Baie-Comeau. The Property is accessible via a forestry gravel road which runs along the eastern side of the property just outside of the claims. There is no electricity on site. The forest activities are very active in the region, but limited on the property, where a major forest fires burnt all available economic lumber wood. The Manicouagan region is situated at the intersection of Highways #138 and #389. Provincial Highway #138 links Montreal and Natashquan and follows the north shore of the St. Lawrence River. Highway #389 provides access to the mining towns of the northeast and links Baie-Comeau to the Labrador border.

5.3 Local Resources and Infrastructure

The regional resources regarding labour force, supplies and equipment are sufficient, the area being well served by geological and mining service firms mostly concentrated in the Sept-Iles-Port Cartier area and in Labrador City, Labrador. The city of Baie-Comeau, with more than 30,000 inhabitants, is one of the cities of the Cote-Nord region and has the necessary infrastructures and workforce to support a mining operation. While there is currently a general shortage of qualified personnel in the mining and exploration sector, the location of the Project is favourable in that regard. The main employer in Baie-Comeau is the Alcoa Aluminum Plant. The economic and industrial development in the region is based on mineral, forest and hydroelectric resources.

The area is served by the shipping port of Baie-Comeau, which is navigable all year and handles alumina and other materials, such as grain. All major services are available in Baie-Comeau.

The fauna and flora in the region are typical of the boreal forest. Coniferous trees dominated by sparse spruce cover the area. Other tree species like balsam fir, larch and pine, as well as clumps of broadleaved birch, poplar, willow, alder and mountain ash, are also found. The local forest is home to about forty species of mammals, including wolves, lynxes, foxes, bears and moose. Ducks, Canada geese, snow geese, snowy owls, eagles, falcons, ptarmigans and loons are among the bird life of the region. The aquatic fauna is predominantly lake trout, walleye, brook trout and pike.

6.0 HISTORY

Exploration in the area began in the 1950's with the discovery of iron and titanium mineralization. In 1951, the first titaniferous magnetite outcrops were discovered in anorthosite of Schmoor Lake (GM02209-A) by Anglo-Canadian Pulp and Paper Mills, which eventually became Bersimis Mining. From 1951 to 1954, Bersimis Mining conducted aeromagnetic and "dip-needle surveys" geological mapping, surface sampling, assaying and metallurgical test work (GM02209-B and GM02671). A total of 4 mineralized lenses were uncovered over a distance of 15 kilometres: Hervieux-West, Hervieux-East, Schmoor Lake and La Blache East (GM06409) (Figure 3).

In 1954, three claim blocks held by the Bersimis Mining were visited by the MRNFQ (GM03107). The MRNFQ published a report and map jointly with Bersimis Mining that located and described the Hervieux-Est and Hervieux-Ouest occurrences (RP374) revealing the presence of medium to coarse grained magnetite in anorthosite. According to estimates made by Bersimis Mining at the time "these deposits contained 135,000,000 tons of mineral resources up to a depth of 300 feet. It was reported that the average content of the mineral resources was of 49% Fe and 21% TiO₂. This NI 43-101 non-compliant historical mineral estimate and mineral reserve estimate was not verified by a qualified person and insufficient work was done to classify the historical estimate as a current mineral resources. It should only be considered has an indication of the iron-titanium mineral potential and not necessarily indicative of the mineralization of the DAB property.

A ground magnetic survey was completed by Prospecting Geophysics in 1959 (GM08681). Bersimis Mining completed 20 drill holes in 1964 (GM15462, GM15667 and GM15992) intersecting significant iron and titanium (more than 45% Fe and 15% TiO₂). The MRNFQ examined approximately 300m of drill core sampling holes 4, 7, 8, 10, 11, 13 and 17 as well as two outcrops for petrographic and chemical analysis. Three lenses were identified and were apparently aligned over a distance of 6 km. The lenses vary from 100m to 1,130m in length and 45 m to 215 m in width (RG2002-01 and GM37408). Geochemical analysis tend to be consistent from one lens to the other (GM37408) averaging 50.4% Fe, 20.1% TiO₂, 0.36% V₂O₅, 0.70% SiO₂, 7.41% Al₂O₃, 1.26% CaO, 4.05% MgO, 0.19% Cr, 0.03% P and 0.02% S.

The Historic Estimate reported by Bersimis Mining in 1964 (GM37408) was 79 million tons grading 48% Fe, 20.5% TiO₂, 0.19% Cr and 0.36% V₂O₅. This NI 43-101 non-compliant historical estimate was not verified by a qualified person and insufficient work was done to classify the historical estimate as current mineral resources. It should only be considered has an indication of the iron-titanium mineral potential and not necessarily indicative of the mineralization on the La Blache property.

An aeromagnetic map (2083G) covering the La Blache property area was published in 1968 by the Geological Survey of Canada.

The La Blache sector was mapped at a regional scale during the MRNFQ's Grenville Project in 1968-1969 (DP127 and RG162) when the name of La Blache Anorthosite Pluton first appeared on published maps. A geotechnical site investigation was completed in 1969 by L. Kish who collected several mineralized samples (GM26833, DP127 and RG162) with the following results (RG162): 0.53% SiO₂, 50.12% Fe, 20.84% TiO₂ and 0.20% V at Hervieux-West; 0.91% SiO₂, 49.74% Fe, 19.35% TiO₂ and 0.20% V at Schmoor Lake and 0.66% SiO₂, 51.34% Fe, 20.09% TiO₂ and 0.21% V at Hervieux East.

A large exploration campaign, the Manic Project, was undertaken by SOQUEM in 1976 covering 34,700 km² (GM49156, GM49162, GM49164 and GM49165) that included lake-bottom sediment geochemistry, airborne spectrometry and a geological survey. Following this campaign, SOQUEM outlined 66 areas of interest for base metals and other minerals without retaining the La Blache occurrence (DP86-18, MB86-58 and MB89-58).

In 1980, three concession blocks totalling nine claims were staked by Les Ressources Camchib (GM37408) covering the Hervieux-West, Hervieux-East and Schmoo Lake occurrences. Camchib concluded that the titaniferous magnetite occurrences at La Blache represented an important source of titanium, iron and possibly of chrome and vanadium.

In 1982, the three claim blocks were explored by Services Exploration (GM39253, GM39254, GM39255 and GM39256) who completed a geological and dip needle survey at Schmoo Lake without the discovery of any massive titaniferous magnetite. At Hervieux-Est, a geological survey uncovered 25m to 30m of massive magnetite. At Hervieux-West, ten samples of titaniferous magnetite contained between 49.20% and 50.58% Fe and between 18.40% and 21.86% TiO₂.

Metallurgical studies of the ilmenite mineralization were performed in 1992 (GM51848) at the Hervieux-Ouest occurrence as part of the claims then owned by Gaspésie Société d'Exploration Pétrolière et Minière. The testing was completed by BHP-UTAH and produced a heavy mineral concentrate of ilmenite containing 46% to 50% TiO₂. In 1993, Gaspésie Société d'Exploration Pétrolière et Minière prospected the Hervieux East and West occurrences. The Hervieux East and West ilmenite occurrences contained 5% to 10% ilmenite, but was deemed uneconomic at the time and no further work was recommended.

Lac La Blache was mapped in 2000 by the MRNFQ (RG2002-01). The La Blache anorthosite was represented on the new geological map (unit mPbla1) as well as the iron and titanium mineralization (mPbla5).

A geological field excursion guidebook (MB2003-03) on the La Blache mineralization was published in 2003.

In 2005, the MRNFQ (PRO2003-03) published new geochemical data of lake-bottom and stream sediments covering La Blache. Numeric data of airborne geophysical surveys were made available in 2006 (DP2006-06).

In 2006, Fancamp Exploration Ltd., performed metallurgical tests (GM62464) on two samples of titaniferous magnetite from the Hervieux-Est occurrence (GM62465). The two samples were analyzed by COREM contained in excess of 22% TiO₂ and more than 67% of Fe₂O₃.

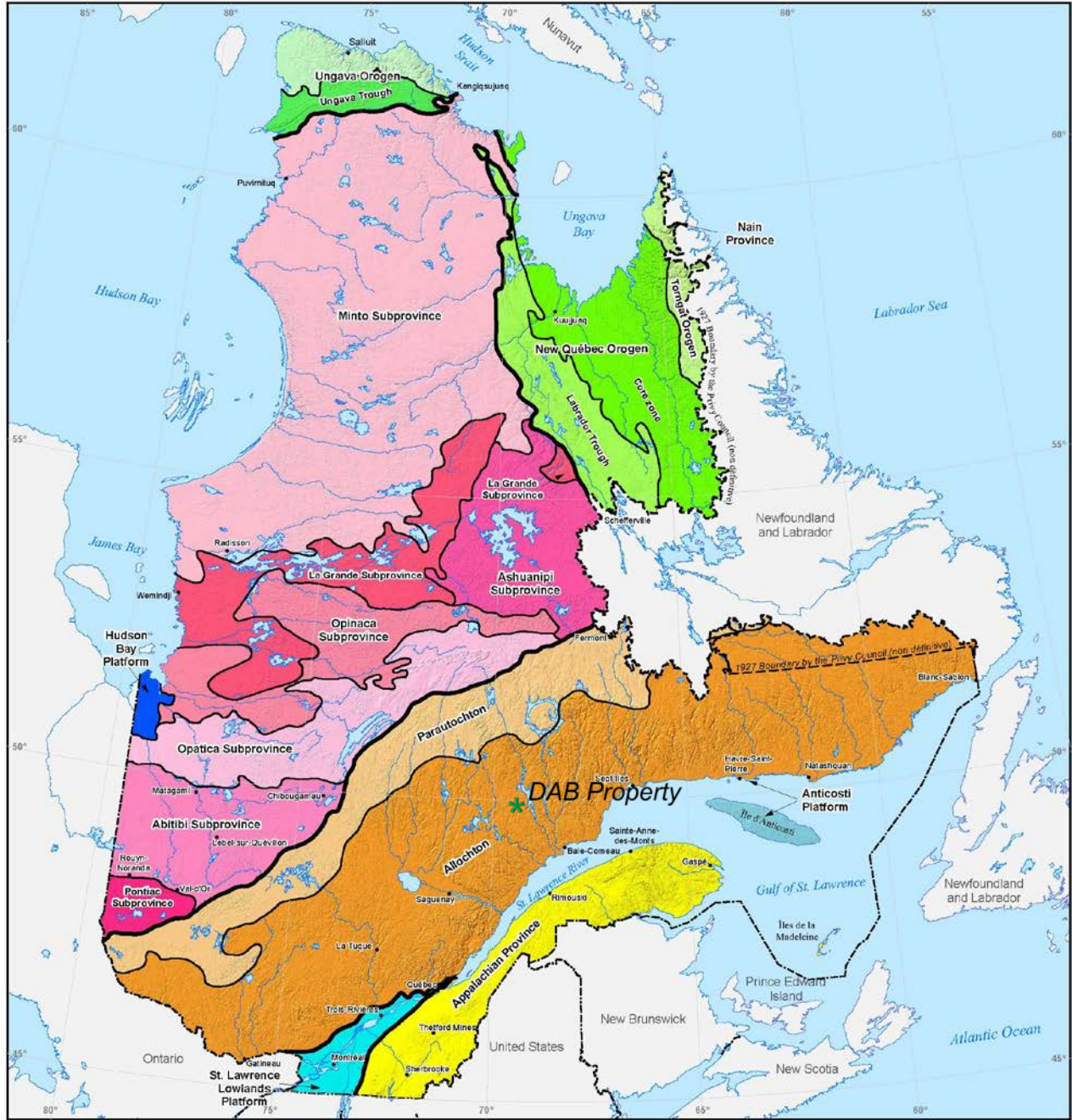
In 2011 6 holes were drilled at the Farrell-Mason showing as part of a larger program focused on the Farrell-Taylor showing ~5km west of Farrell-Mason. There was also a surface program conducted to investigate magnetic anomalies previously identified. 2 of the 6 holes drilled on the prospect are outside of the DAB Claims package and lie on ground held by a third party.

7.0 GEOLOGICAL SETTING AND MINERALIZATION

7.1 Regional Geology and Mineralization

The DAB property is located in the North Shore region of Quebec, part of the Grenville Geological Province (Figure 3). The Grenville extends for more than 2,000 km in length and skirts the North Shore of the St-Lawrence River. Its width varies from 300 km to 600 km and forms the south east segment of the Canadian Shield. The Archean rocks of the Superior Province and the Proterozoic rocks of the Otish Basin are separated from the Grenville Province by the Grenville Front. The tectonic fabric of the Grenville is predominantly northwest-southwest trending.

The Great Geological Domains of Québec



- St. Lawrence Platform
- Hudson Bay Platform
- Appalachian Province
- Grenville Province
- Churchill Province
- Nain province
- Superior Province

Metadata
 Cartographic projection: Lambert conical

Realization
 Geological compilation: Ghyslain Roy
 Distribution: Ministère des Ressources naturelles
 Direction de l'information géologique du Québec

Note: This document has no legal value
 © Gouvernement du Québec, 2012



Figure 3: Regional Geology

7.2 Local Geology

The Grenville consists of gneiss domes and basins with complex and irregular structural patterns, intrusive rocks of variable composition, from gabbros to alkaline rocks. The circular shaped Manicouagan Structure located in proximity to the DAB property was reportedly created by a meteorite impact some 214 million years ago.

The lithologies and mineralizations of the project are as follows: lithologies are divided into three major units: the gneissic and intrusive rocks of varied composition of the Hulot Complex, intrusive rocks that include the east-west trending La Blache Anorthosite Complex, and late crosscutting gabbroanorthosites, gabbros, diabasic gabbros, mangerites, granites and pegmatites (RG2002-02). The La Blache Anorthosite Complex is an almost circular batholith of 35km by 20km (GM52690) within intrusive rocks that extends for 100 kilometres by up to 20 kilometres. The anorthosites are cut by granites and pegmatite varying from a few centimetres to several metres of multiple orientations.

Four lenses of titaniferous magnetite (Hervieux-West, Hervieux-East, Schmoo Lake and East of La Blache) are present as tabular bodies that are aligned over a 17 kilometre long arc (RG2002-01) located at the center of the anorthosites. The lenses are almost parallel to the axis of the large antiform defined by the anorthosites that is slightly discordant with the lithologies. The geology is taken from descriptions contained in a number of geological company and government reports (GM02671, GM52690, RG162 and RG2002-01). Lithologies are all of igneous origin and are divided into anorthosites, garnet anorthosites, pegmatites, gabbroic anorthosite and titaniferous magnetites of the La Blache Anorthosite Complex.

7.2.1 Anorthosites

The anorthosites at the core of the La Blache Anorthosite Complex are composed of at least 90% andesine to labradorite plagioclase megacrysts with minor pyroxenes, titaniferous magnetite, ilmenite, garnet, biotite, olivine, pyrrhotite and chlorite. The anorthosites occupy 75% of the total surface of the property. It is massive, medium to coarse grained, equigranular and automorphic. It is also weakly deformed, unaltered, non-foliated, but occasionally cataclastic. The anorthosites are grey colour on fresh surfaces, and the labradorite is recognizable by its bluish tinge. The anorthosites are slightly magnetic.

7.2.2 Garnitiferous Anorthosites

Similar to typical anorthosites, but contains between 5% and 15% garnet, the garnets are agglomerated masses of 5 to 15cm linked to magnetite and ilmenite. The unit is located in direct contact with the iron oxides and is up to 25m wide.

7.2.3 Pegmatites

Dykes and veins of pink pegmatites cut all other units. They are composed of quartz and potassic feldspar with minor biotite and magnetite.

7.2.4 Gabbroic Anorthosites

The gabbroic anorthosites are distinguished from anorthosites by its content of 5% to 25% of mafic minerals. Contacts are gradual between the two units.

7.2.5 Titaniferous Magnetite

The titaniferous magnetite is easily identifiable by its black colour with a bluish reflection in contrast to the grey anorthosite. It is massive and is in contact with anorthosites that also occur as enclaves in the oxides. The typical composition is 80% titaniferous magnetite, 10% spinel, 5% to 10% ilmenite, and 5% pyroxene and/or plagioclase.

The dominant structure on the Property has a northwest orientation as per the general alignment of the La Blache Anorthosite Complex.

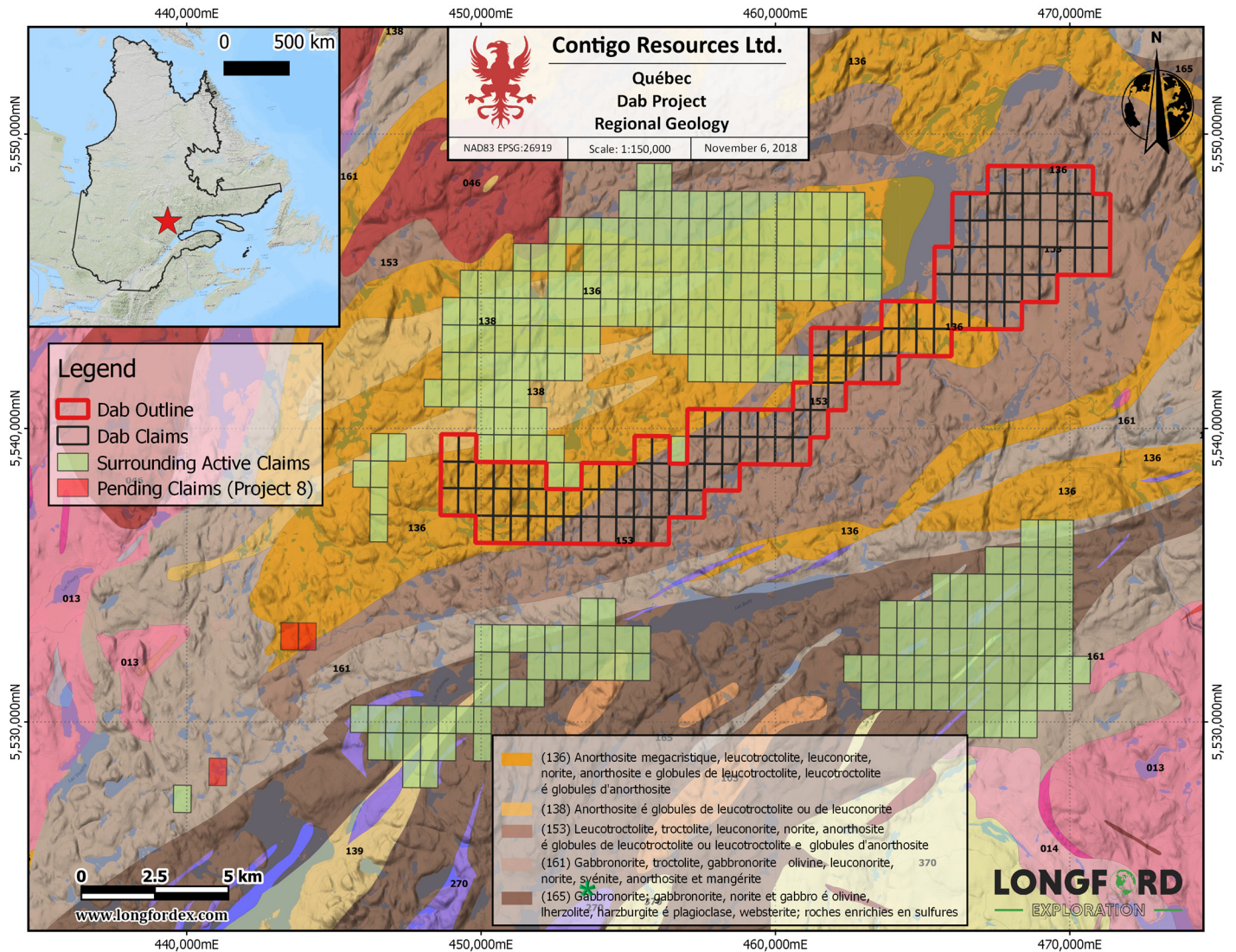


Figure 4: Property Geology and Mineralization

7.3 Property Mineralization

The property has multiple areas where mineralization that are denoted from either as little as a single mineralized sample, up to multiple drillholes. Due to the limited road access and scope of the program, this campaign was limited to the northern portion of the property, surrounding the Farrell-Mason Showing.

7.3.1 Farrell-Mason

The Farrell-Mason showing is the most advanced showing on the property. This showing is defined by multiple outcrops with mineralization. These outcrops with a magnetic anomaly that is coincident with a trend which contains multiple mineralized lenses; Farrell-Taylor, Herieux-Ouest, Herieux-Est and Schmoor Lake. Historic drilling significant intercepts are provided in table 3. Part of the 2018 exploration campaign included trenching at the showing, which yielded very consistent anomalous vanadium values.

Surface prospecting identified an additional mineralized area 1km south of the main showing. The showing consists of multiple outcrops within a 150m area.

Table 2: DAB Salient 2011 Drill Intercepts

Hole ID	From	To	Interval	Fe ₂ O ₃ %	Fe Total %	TiO ₂ %	V ppm	V ₂ O ₅ %	MgO %	Cr ₂ O ₃ %	P ₂ O ₅ %
FM-11-01	0.51	18.50	17.99	64.65	48.99	18.82	2556	0.46	5.19	0.12	0.02
FM-11-01	119.92	124.00	4.08	55.80	39.03	16.73	2117	0.38	5.06	0.15	0.02
FM-11-02	14.00	21.00	7.00	59.55	41.65	16.85	2220	0.40	6.89	0.09	0.03
FM-11-03	177.00	181.00	4.00	40.74	28.50	10.64	1356	0.24	2.98	0.07	0.07
FM-11-06	36.00	65.30	29.30	40.60	28.40	9.44	1188	0.21	9.46	0.05	0.06
<i>including</i>	50.50	65.30	14.80	55.75	39.00	16.12	2048	0.37	5.60	0.09	0.03

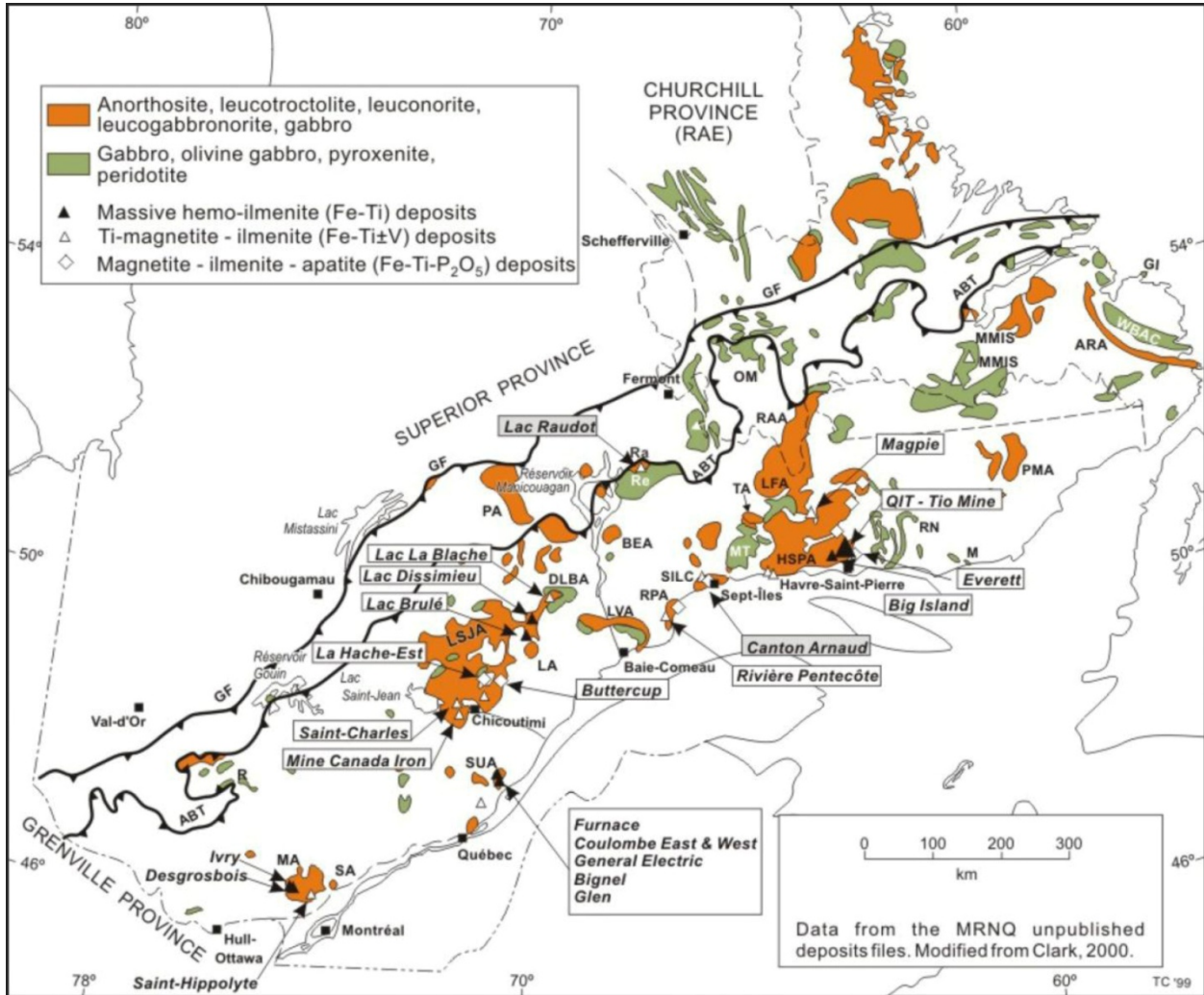
7.3.2 Farrell-Leduc

This area is denoted by a Magnetic anomaly and some historic drilling on the edge of the claims in this area. Prospecting during the 2018 surface program, surface grab samples contained 0.54 and 0.51% V₂O₅ in grab and float samples respectively.

8.0 DEPOSIT TYPES

The DAB property is composed of geological units likely to contain significant iron, titanium and vanadium oxide mineralization of igneous origin and of economic interest.

The mineralization on the property is composed of veins, dykes, lenses and tubular bodies of massive titaniferous magnetite linked to anorthosites that are common to the Grenville Geological Province. The Magpie Deposit also located on the North Shore constitutes one of the largest titaniferous magnetite deposits with reserves in excess of 800 million tonnes grading 43% Fe, 11% TiO₂, 1.6% Cr and 0.20% V (Vallée and Raby, 1971). This is an historic estimate and is strictly historical in nature and are non-compliant to NI 43-101 Mineral Resource standards and should therefore not be relied upon. A Qualified Person has not done sufficient work to classify the historical estimate as current NI 43-101 compliant Mineral Resources. There is no guarantee that any future exploration would upgrade the historical Mineral Resources into current Mineral Resources. The DAB property location is shown in Figure 5 as DLBA.



Source: Mineral Deposits of Canada, Regional Metallogeny, Prospective Metallogenic Settings of the Grenville Province, by Louise Corriveau, Serge Perreault and Anthony Davidson).

Figure 5: Grenville Province Regional Mineralization

The oxide mineralization of the DAB property is part of a widely distributed deposit-type which is typically associated in space and time with major igneous events.

Major deposits of titanomagnetite are divided into a phosphorus-rich type (Sept-Îles) and phosphorus-poor type (La Blanche and Magpie). Both are distinctive in that they show high concentrations of chrome, the presence of the mineral spinel which is a reflection of the high Al_2O_3 contents of the rocks and relatively low vanadium (from trace to 0.40% V_2O_5).

There are multiple theories on the formation of mineralization. One theory supports an origin by accumulation of dense crystals in a magma chamber through settling under the force of gravity (Pang et al. 2008), while a second favours crystallisation from an immiscible oxide-rich magma within the silicate magma intrusive sequence (Zhou et al. 2005).

9.0 EXPLORATION

The 2018 exploration campaign was initiated to evaluate the historic work conducted and to investigate the greater potential of the property. The program consisted of a 4 person crew conducting surface prospecting, mapping and some channel sampling at the Farrell-Mason outcrop. Work was conducted from July 7th to July 17th. The author joined the prospecting crew and reviewed sampling procedures and updated program plan.

The crew staged out of a fly camp established approximately 2.5km north of the property in a clearing along the road to accessing the property. Access to the property for this program was by traveling 130km north of Baie-Comeau along a primary logging road, Chemin d'Auteuil, then west 7.5km along a secondary forestry road. From there the crews used canoes and kayaks to get to southern parts of the western portion of the property. The crews worked in pairs and went on predetermined traverses based on known showings, accessibility, magnetic anomalies and previously uncovered ground. Grab samples averaging 1.5kg each were taken by a Geologist or following the procedures: Rock grab, or float, and rock channel samples were bagged, sealed, numbered and delivered to the Bureau Veritas Mineral Laboratories for Whole-Rock Analysis using the MA-200 Method for ICP-MS analysis and LF202 to measure the whole rock characteristics of the samples. At the laboratory facility, samples were inventoried, weighed and dried; crushed 70% to under 2 millimetres; riffled split with a 250 gram sub-sample pulverized 85% to under 74µm; then followed by analysis. 68 rock grab samples were taken and 14 channel samples over two different (DB-19-01 and DB-19-02 respectively) areas were also taken. 13 of the channel sample 1m in length, while 1 sample was only 85cm, due to amount of rock exposed.

2 Additional samples were taken by the author and sent to ALS Global's Vancouver Geochemistry Laboratory. These samples were also pulverized, to 75µm and then analyzed using MC-ICP61 for ICP-MS results and MC-ICP06 to get whole rock characterization of the material.

All samples taken were flagged and labeled using flagging tape and metal "butter tags", with GPS coordinates recorded with handheld GPS units, which were consistently better than 6m indicated accuracy. Field descriptions of the samples were logged in the field and then digitized. The descriptions including sample location can be found in Appendix C and complete geochemical certificates in Appendix D. The author observed sampling methodology and procedures and there was best efforts made to prevent an inadvertent sampling bias and the samples mentioned in this report are representative of the outcrops they were taken from. The crew was able to sample outcrop throughout the NE half of the claim block, covering a corridor 10km long and as wide as 3.5km.

The goal of the program was to confirm known mineralization both for occurrence and quality, as well as prospect for new areas of interest.

Table 3: 2018 Farrell-Mason Channel Sample Highlights

Sample ID	Channel ID	From m	To m	Interval m	Easting	Northing	Azimuth	V ppm	Fe ₂ O ₃ %	TiO ₂ %	Ti %
3217319	DB-19-C01	0	1	1	467490	5546203	270	2729	62.54	>10	8.55
3217320	DB-19-C01	1	2	1	467489	5546203	270	2211	55.26	>10	8.28
3217321	DB-19-C01	2	2.85	0.85	467488.2	5546203	270	1640	49.14	>10	7.22
3217322	DB-19-C02	0	1	1	467506	5546199	180	2691	62.51	>10	8.92
3217323	DB-19-C02	1	2	1	467506	5546198	180	2751	60.56	>10	8.38
3217324	DB-19-C02	2	3	1	467506	5546197	180	2453	55.14	>10	8.62
3217325	DB-19-C02	2	3	1	467506	5546197	180	2480	54.63	>10	8.88
3217326	DB-19-C02	3	4	1	467506	5546196	180	2557	61.74	>10	8.41
3217327	DB-19-C02	4	5	1	467506	5546195	180	2570	60.96	>10	8.66
3217328	DB-19-C02	5	6	1	467506	5546194	180	2561	61.6	>10	5.87
3217329	DB-19-C02	6	7	1	467506	5546193	180	2546	64.59	>10	5.77

Sample ID	Channel ID	From m	To m	Interval m	Easting	Northing	Azimuth	V ppm	Fe ₂ O ₃ %	TiO ₂ %	Ti %
3217330	DB-19-C02	7	8	1	467506	5546192	180	2593	63.25	>10	6.18
3217331	DB-19-C02	8	9	1	467506	5546191	180	2651	64.8	>10	6.05
3217332	DB-19-C02	8	9	1	467506	5546191	180	2661	66	>10	5.88

9.1 Geochemistry

The sampling program clearly identified 2 areas with strong mineralization. The first area being the Farrell-Mason, which accounts for the bulk of the strong results featured in Table 4 and was the focus of the channel sampling conducted. Based on the results of this program, the previous work appears to be reliable and consistent.

Table 4: 2018 Significant Mineralization

Sample ID	Easting NAD83 mE	Northing NAD83 mN	Elevation m	Ti ppm	Fe ₂ O ₃ %	TiO ₂ %	Ti TOT %	V ppm
3217311	466634	5546670	438	0.25	57.19	10	7.899	3392
3217263	467492	5546186	436	0.25	69.3	10	6.637	3016
3217273	467510	5546184	433	0.25	71.32	10	6.432	2995
3217261	467487	5546209	441	0.25	68.62	10	6.14	2958
3217275	467485	5546214	444	0.25	68.13	10	9.104	2940
3217267	467494	5546187	448	0.25	64.62	10	5.928	2934
3217272	467503	5546185	438	0.25	69.53	10	6.268	2886
3217315	467430	5545012	427	0.25	63.2	10	9.216	2795
3217262	467511	5546185	430	0.25	63.59	10	6.074	2671
3217269	467490	5546192	440	0.25	64.96	10	6.039	2531
3217270	468486	5546193	442	0.25	60.38	10	6.34	2518
3217268	467492	5546189	440	0.25	62.16	10	5.9	2390
3217271	467482	5546198	443	0.25	52.4	10	5.881	2363
3217318	467367	5544889	429	0.25	54.54	10	8.404	2244
3217274	467500	5546173	434	0.25	53.36	10	5.651	2007
3217336	471147	5546107	467	0.25	29.09	8	4.965	1352
3217349	465651	5544295	437	0.6	6.98	1.26	0.734	152

10.0 SAMPLE PREPARATION, ANALYSES AND SECURITY

Rock grab, or float, and rock channel samples were bagged, sealed, numbered and delivered by a reputable shipping company to the Bureau Veritas Mineral Laboratories. Bureau Veritas confirmed receipt of sealed samples. The samples shipped to this lab were processed by their standard procedures. Analysis using the MA-200 Method for ICP-MS analysis and LF202 to measure the Whole Rock characteristics of the samples. At the laboratory facility, samples were inventoried, weighed and dried; crushed 70% to under 2 millimetres; riffled split with a 250 gram sub-sample pulverized 85% to under 74µm; then followed by analysis. 68 rock grab samples were taken and 14 channel samples were sent to the lab for these analyses.

2 Additional samples were taken by the author and sent to ALS Global's Vancouver Geochemistry Laboratory. These samples were also pulverized, to 75µm and then analyzed using MC-ICP61 for ICP-MS results and MC-ICP06 to get whole rock characterization of the material.

The analytical protocols used at Bureau Veritas were the MA200 for Trace Elements (Ag, Al, As, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cu, Fe, Hf, In, K, La, Li, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, Rb, Re, S, Sb, Sc, Se, Sn, Sr, Ta, Te, Th, Ti, U, V, W, Y, Zn, Zr), LF202 and AQ200 (SiO₂, Al₂O₃, Cr₂O₃, CaO, Fe₂O₃, K₂O, MgO, MnO, Na₂O, P₂O₅, TiO₂, Ba, C, Ce, Co, Cu, Nb, Ni, S, Sc, Sr, Y, Zn, Zr, Loss on Ignition (LOI's) at 1,000°C; TOT for Total Calculations of Major Elements.

The analytical protocols used at ALS Chemex were the ME-ICP61 for Trace Elements (Ag, Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Sr, Th, Ti, U, V, W, Zn); ME-ICP06 for Major Elements as Oxides Fe₂O₃, TiO₂, V₂O₅ (Al₂O₃, BaO, CaO, Cr₂O₃, K₂O, MgO, MnO, Na₂O, P₂O₅, SiO₂ and SrO); Loss on Ignition (LOI's) at 1,000°C; TOT-ICP06 for Total Calculations of Major Elements.

It is the author's opinion that sampling procedures, sample security and laboratory's handling of material is sufficient and reliable and the results are representative of the material found on the property.

11.0 DATA VERIFICATION

The program and nature of the work was too small to undertake a fulsome QAQC program in the field. 2 field duplicates were taken and found to be well within the margin of error to represent a natural and minor variation in this type of mineralization. The 2 samples taken by the author

The QAQC program conducted by the respective labs are sufficient for the purposes of this early stage exploration program and appear to demonstrate stability of the sample performance.

12.0 MINERAL PROCESSING AND METALLURGICAL TESTING

No mineral processing or metallurgical test work has been reported on the DAB property.

13.0 MINERAL RESOURCE ESTIMATES

No estimates of mineral resources or mineral reserves have been made for the DAB property.

14.0 ADJACENT PROPERTIES

There are two adjacent properties of interest and relevance, immediately to the west. Both properties lie immediately to the west of DAB and are both called La Blache Property. There are PEAs written about both of the properties. The focus on the main lenses, progressing west to east: Farrell-Taylor, Lac Schmoo, Hervieux East and Hervieux West.

The Farrell-Taylor is described as to occur over 1150 m on the ENE direction with an average width of 470m. The deposit widens at depth from 200 m on the WSW to approximately 715 m to the ENE. The deposit is slowly dipping at 20° towards the ENE and reaches a maximal depth of 600 m below surface. The average thickness is 50 m with a minimum of 15 m and a maximum of 85 m in the deeper portion of the deposit. These resources were calculated using a minimum cut-off grade of 5.1% TiO₂Eq and are amounting to 101,700,000 tonnes inferred category at 21.75% TiO₂ Eq from a head grade of 41.76% Fe, 18% TiO₂, 0.18% V (0.33 % V₂O₅). This resource has been reported to be 43-101 compliant

The other three lenses were evaluated as a combined resource and are described as The in-pit mineral resources calculated by BBA, using a 11.76% Ti-equivalent cut-off grade, total 7.8 million tonnes grading 10.69% Ti, 41.92% Fe and 0.24% V in the measured category, 16.9 million tonnes grading 10.69% Ti, 41.95%

Fe and 0.24% V in the indicated category, and an additional 4.7 million tonnes grading 10.67% Ti, 41.76% and 0.25% V in the inferred category. The mineral resource estimate was completed by Met-Chem and reported in an Argex news release dated May 18, 2011

15.0 OTHER RELEVANT DATA AND INFORMATION

No other information or explanation is necessary to make this technical report understandable and not misleading.

16.0 INTERPRETATION AND CONCLUSIONS

The regional magnetics and geologic model points to the Farrell-Mason could be an additional lense along trend from the already defined lenses to the west. The resolution of the existing magnetics makes it difficult to make interpret the orientation of the mineralization at the showing. The drilling to date also is insufficient to determine the dimensions or orientation of the mineralization. This target merits further work and should be the focus of efforts on the DAB property.

The showing 1km south of the surface expression of the Farrell-Mason is positive and associated with a magnetic anomaly. Unfortunately, as is the case throughout the property, the magnetic response is of a very low resolution and difficult for clear or meaningful interpretation, additional work is merited.

17.0 RECOMMENDATIONS

17.1 Program

The author recommends a two-stage approach, so the program can advance the most efficiently. This program could commence immediately, pending required permits and notifications are in place.

Phase 1 would be comprised of a high-resolution airborne magnetic gradiometer survey. This would infill on the existing surveys and orientation should remain the same as previous, to maximize delineation of targets and potentially identify new, previously unresolvable products. Interpretation products should include an unconstrained inversion and some modeling and interpretation to better interpret the orientation of the tabular bodies.

Phase 2 should drill test all identified targets from the survey, particularly in the south where exposure is limited but there have been identified targets in previous work. This phase of the program will be contingent on modeling targets that have the potential to be of an economic size and targets that do not show significant evidence of size potential should not be drilled. Phase 1 should be conducted in its entirety before conducting phase 2

17.2 Budget

The first phase will likely cost between \$100,000 and \$150,000 to fly both the survey and conduct the interpretation and modeling.

At this time, the author would like to see the results of phase 1, before establishing what targets and how much drilling will be merited. In the event that additional magnetic anomalies are identified, they too could merit drilling.

Respectfully submitted,

“Signed and Sealed”

Rory Kutluoglu, P.Geo
Vancouver, British Columbia
Effective Date: March 31st, 2020

Appendix A: References

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Appendix B: Claim Data

Title Number	Polygon Number	Registration Date	Expiration Date	Hectares	Owner	Mapsheet
2532299	403684252	2019-02-26	2021-02-25	49.18	1088411 BC Ltd.	22K03
2532346	403684253	2019-02-27	2021-02-26	15.36	1088411 BC Ltd.	22K03
2532347	403684255	2019-02-27	2021-02-26	13.8	1088411 BC Ltd.	22K03
2532348	403684258	2019-02-27	2021-02-26	36.81	1088411 BC Ltd.	22K03
2532349	403684254	2019-02-27	2021-02-26	5.76	1088411 BC Ltd.	22K03
2532350	403684256	2019-02-27	2021-02-26	0.46	1088411 BC Ltd.	22K03
2532351	403684257	2019-02-27	2021-02-26	0.19	1088411 BC Ltd.	22K03
2536270	401450622	2019-04-15	2021-04-14	55.27	1088411 BC Ltd.	22K03
2536271	401450595	2019-04-15	2021-04-14	55.26	1088411 BC Ltd.	22K03
2527707	401588361	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527708	401588362	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527709	401588363	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527710	402383239	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527711	401588364	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527712	401588365	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527713	401588366	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527714	401588367	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
2527715	401588368	2018-11-15	2020-11-14	55.36	1088411 BC Ltd.	22F13
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2527727	401588341	2018-11-15	2020-11-14	55.35	1088411 BC Ltd.	22F13
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2527730	401588344	2018-11-15	2020-11-14	55.35	1088411 BC Ltd.	22F13
2527731	401588345	2018-11-15	2020-11-14	55.35	1088411 BC Ltd.	22F13
2527732	401588346	2018-11-15	2020-11-14	55.35	1088411 BC Ltd.	22F13
2527733	401588306	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527734	402556813	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527735	401588307	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527736	401588308	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527737	401588309	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527738	401588310	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
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2527740	401588313	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527741	401588314	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527742	401588315	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527743	401588316	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527744	402556815	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527745	401588317	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527746	401588318	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
2527747	401588319	2018-11-15	2020-11-14	55.34	1088411 BC Ltd.	22F13
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2527749	401450705	2018-11-15	2020-11-14	55.29	1088411 BC Ltd.	22K03
2527750	401450706	2018-11-15	2020-11-14	55.29	1088411 BC Ltd.	22K03
2527751	401450675	2018-11-15	2020-11-14	55.28	1088411 BC Ltd.	22K03
2527752	401450676	2018-11-15	2020-11-14	55.28	1088411 BC Ltd.	22K03
2527753	401450677	2018-11-15	2020-11-14	55.28	1088411 BC Ltd.	22K03

2527811	401452998	2018-11-15	2020-11-14	55.3	1088411 BC Ltd.	22K04
2527812	401452999	2018-11-15	2020-11-14	55.3	1088411 BC Ltd.	22K04
2527813	401453000	2018-11-15	2020-11-14	55.3	1088411 BC Ltd.	22K04
2527814	401453001	2018-11-15	2020-11-14	55.3	1088411 BC Ltd.	22K04
2527815	401453002	2018-11-15	2020-11-14	55.3	1088411 BC Ltd.	22K04
2527816	401452968	2018-11-15	2020-11-14	55.29	1088411 BC Ltd.	22K04
2527817	401452969	2018-11-15	2020-11-14	55.29	1088411 BC Ltd.	22K04
2527818	401452970	2018-11-15	2020-11-14	55.29	1088411 BC Ltd.	22K04
2527819	402554294	2018-11-15	2020-11-14	55.29	1088411 BC Ltd.	22K04
2527820	401452971	2018-11-15	2020-11-14	55.29	1088411 BC Ltd.	22K04
2527821	401452944	2018-11-15	2020-11-14	55.28	1088411 BC Ltd.	22K04
2552490	401450596	2020-01-24	2022-01-23	55.26	1088411 BC Ltd.	22K04
2552491	401450597	2020-01-24	2022-01-23	55.26	1088411 BC Ltd.	22K04
2552492	401450598	2020-01-24	2022-01-23	55.26	1088411 BC Ltd.	22K04
2552493	401450567	2020-01-24	2022-01-24	55.26	1088411 BC Ltd.	22K04

Appendix C: 2018 Rock Descriptions

Sample_ID	mE_NAD83_26919	mN_NAD83_26919	Elevation_m	Date	Project	Sample_Type	Occurrence_Type	Description
3217251	467859	5548803	441	2019-07-10	Dab	Rock Grab	Outcrop	~1-3cm blebs of ilmenite and magnetite (~10%) in a course grained gabbro.
3217252	467865	5548732	445	2019-07-10	Dab	Rock Grab	Outcrop	~1-3cm blebs of ilmenite and magnetite (~10%) in a course grained gabbro.
3217253	467754	5548701	433	2019-07-10	Dab	Rock Grab	Outcrop	~1-3cm blebs of ilmenite and magnetite (~5%) in a course grained gabbro with minor surface oxidation.
3217254	468069	5548420	439	2019-07-10	Dab	Rock Grab	Outcrop	~1-3cm blebs of ilmenite and magnetite (~15%) in a course grained gabbro with minor surface oxidation.
3217255	468060	5548306	447	2019-07-11	Dab	Rock Grab	Outcrop	Massive sub-euhedral 0.5-1.5cm course grained dark grey anorthosite with ilmenite and magnetite (~5%) with rusty and metallic luster.
3217256	467797	5548205	437	2019-07-11	Dab	Rock Grab	Outcrop	~1-3cm blebs of ilmenite and magnetite (~15%) in a course grained gabbro.
3217257	467802	5547676	443	2019-07-11	Dab	Rock Grab	Outcrop	~1-3cm blebs of ilmenite and magnetite (~15%) in a course grained gabbro.
3217258	467857	5547436	444	2019-07-11	Dab	Rock Grab	Outcrop	Massive sub-euhedral 0.5-1.5cm course grained dark grey anorthosite with ilmenite and magnetite (~20%) and metallic luster.
3217259	467495	5546351	444	2019-07-11	Dab	Rock Grab	Outcrop	Massive sub-euhedral 0.5-1.5cm course grained dark grey anorthosite with 2cm ilmenite and magnetite (~10%) blebs.
3217260	467456	5546226	449	2019-07-11	Dab	Rock Grab	Outcrop	Massive sub-euhedral 0.5-1.5cm course grained dark grey anorthosite with 2cm ilmenite and magnetite (~10%) blebs.
3217261	467487	5546209	441	2019-07-11	Dab	Rock Grab	Outcrop	Massive sub-euhedral 0.5-1.5cm course grained dark grey anorthosite with 2cm ilmenite and magnetite (~50%) blebs.
3217262	467511	5546185	430	2019-07-11	Dab	Rock Grab	Outcrop	Massive sub-euhedral 0.5-1.5cm course grained dark grey anorthosite with 2cm ilmenite and magnetite (~60%) blebs.
3217263	467492	5546186	436	2019-07-11	Dab	Rock Grab	Outcrop	High grade sample of massive magnetite and ilmenite. Ironstone. 5/5 magnetism.
3217264	465764	5545841	437	2019-07-12	Dab	Rock Grab	Outcrop	~1-3cm blebs of ilmenite and magnetite (~5%) in a course grained gabbro.
3217265	465715	5545811	435	2019-07-12	Dab	Rock Grab	Outcrop	~1-3cm blebs of ilmenite and magnetite (~10%) in a course grained gabbro within a series of dykes trending Nth - Sth.
3217266	465632	5545748	437	2019-07-12	Dab	Rock Grab	Outcrop	~1-3cm blebs of ilmenite and magnetite (~10%) in a course grained gabbro within a series of dykes trending Nth - Sth.
3217267	467494	5546187	448	2019-07-14	Dab	Rock Grab	Outcrop	High grade sample of massive magnetite and ilmenite. Ironstone. 5/5 magnetism. Possible supergene
3217268	467492	5546189	440	2019-07-14	Dab	Rock Grab	Outcrop	High grade sample of massive magnetite and ilmenite. Ironstone. 5/5 magnetism. Possible supergene
3217269	467490	5546192	440	2019-07-14	Dab	Rock Grab	Outcrop	High grade sample of massive magnetite and ilmenite. Ironstone. 5/5 magnetism. Possible supergene
3217270	468486	5546193	442	2019-07-14	Dab	Rock Grab	Outcrop	High grade sample of massive magnetite and ilmenite. Ironstone. 5/5 magnetism. Possible supergene
3217271	467482	5546198	443	2019-07-14	Dab	Rock Grab	Outcrop	High grade sample of massive magnetite and ilmenite. Ironstone. 5/5 magnetism. Possible supergene
3217272	467503	5546185	438	2019-07-14	Dab	Rock Grab	Outcrop	High grade sample of massive magnetite and ilmenite. Ironstone. 5/5 magnetism. Possible supergene
3217273	467510	5546184	433	2019-07-14	Dab	Rock Grab	Outcrop	High grade sample of massive magnetite and ilmenite. Ironstone. 5/5 magnetism.
3217274	467500	5546173	434	2019-07-14	Dab	Rock Grab	Outcrop	High grade sample of massive magnetite and ilmenite. Ironstone. 5/5 magnetism.
3217275	467485	5546214	444	2019-07-14	Dab	Rock Grab	Outcrop	High grade sample of massive magnetite and ilmenite. Ironstone. 5/5 magnetism. Possible supergene
3217276	467500	5546226	440	2019-07-14	Dab	Rock Grab	Outcrop	Massive sub-euhedral 0.5-1.5cm course grained dark grey anorthosite with 2cm ilmenite and magnetite (~10%) blebs.
3217277	467845	5546028	447	2019-07-15	Dab	Rock Grab	Outcrop	weathered, brittle anorthosite with ilmenite and magnetite (~15%) blebs.
3217278	468052	5546040	481	2019-07-15	Dab	Rock Grab	Outcrop	weathered, brittle anorthosite with ilmenite and magnetite (~15%) blebs.
3217279	462431	5542424	486	2019-07-16	Dab	Rock Grab	Outcrop	Massive sub-euhedral 0.5-1.5cm course grained dark grey anorthosite with 2cm ilmenite and magnetite (~20%) blebs.
3217280	461780	5542411	470	2019-07-16	Dab	Rock Grab	Outcrop	course grained dark grey gabbro with biotite, ilmenite and magnetite blebs.
3217281	461780	5542411	470	2019-07-16	Dab	Rock Grab	Outcrop	coarse duplicate (Lab description: DUP of 3217280 Reject)
3217282	461663	5542381	491	2019-07-16	Dab	Rock Grab	Outcrop	course grained dark grey gabbro with biotite, ilmenite and magnetite blebs.
3217301	466595	5547776	440	2019-07-10	Dab	Rock Grab	Outcrop	Massive sub-euhedral 0.5-1.5cm course grained dark grey anorthosite with a gossanous zone of larger 2-4cm cumulate with magnetite and ilmenite with rusty and metallic luster. 3/5 magnetism.
3217302	466598	5547780	439	2019-07-10	Dab	Rock Grab	Outcrop	Massive sub-euhedral 0.5-1.5cm course grained dark grey anorthosite with a gossanous zone of larger 2-4cm cumulate with magnetite and ilmenite with rusty and metallic luster. 3/5 magnetism.
3217303	466521	5547725	440	2019-07-10	Dab	Rock Grab	Outcrop	Gossanous 0.5-1cm sub-euhedral anorthosite with weathered pyroxenes to chlorite. Weak magnetism with trace magnetite.
3217304	466492	5547225	438	2019-07-10	Dab	Rock Grab	float	~1-3cm blebs of ilmenite and magnetite in a course grained gabbro.
3217305	466491	5547234	438	2019-07-10	Dab	Rock Grab	Outcrop	Gossanous magnetite and ilmenite in course grained anorthosite. Labradorite is present.
3217306	466488	5547232	437	2019-07-10	Dab	Rock Grab	Outcrop	Massive sub-euhedral 0.5-1.5cm course grained dark grey anorthosite with a gossanous zone of larger 2-4cm cumulate with magnetite and ilmenite with rusty and metallic luster. 3/5 magnetism
3217307	466461	5546956	437	2019-07-12	Dab	Rock Grab	Outcrop	sub-euhedral 0.5-1.5cm coarse grained dark grey anorthosite with >10% magnetite 5% ilmenite.
3217308	466465	5546976	436	2019-07-12	Dab	Rock Grab	Outcrop	3-10cm quartz/feldspar vein through coarse grained anorthosite with minor disseminated sulfides in the ~1cm salvage.
3217309	466472	5547007	437	2019-07-12	Dab	Rock Grab	Outcrop	3cm quartz vein in sub-euhedral 0.5-1.5cm coarse grained dark grey anorthosite
3217310	466635	5546671	437	2019-07-12	Dab	Rock Grab	Outcrop	Sub-euhedral 0.5-1.5cm coarse grained dark grey anorthosite with 5% magnetite 2% ilmenite.
3217311	466634	5546670	438	2019-07-12	Dab	Rock Grab	Outcrop	High grade sample of massive magnetite and ilmenite. 5/5 magnetism.
3217312	466632	5546682	438	2019-07-12	Dab	Rock Grab	Outcrop	Quartz feldspar porphyry 20cm wide very coarse grained. Trace ilmenite and titanite.
3217313	467364	5545855	438	2019-07-13	Dab	Rock Grab	Outcrop	~1-3cm blebs of ilmenite and magnetite in a course grained gabbro. 3/5 magnetism.
3217314	467424	5545450	431	2019-07-13	Dab	Rock Grab	Outcrop	Coarse grained anorthosite with minor magnetite/ilmenite. 2/5 magnetism.
3217315	467430	5545012	427	2019-07-13	Dab	Rock Grab	float	High grade sample of massive magnetite and ilmenite. 5/5 magnetism.
3217316	467449	5545027	427	2019-07-13	Dab	Rock Grab	Outcrop	Sub-euhedral 0.5-1.5cm coarse grained dark grey anorthosite with 5% magnetite.
3217317	467368	5544890	429	2019-07-13	Dab	Rock Grab	Outcrop	Minor ilmenite and magnetite in a medium grained gabbro. 2/5 magnetism.
3217318	467367	5544889	429	2019-07-13	Dab	Rock Grab	Outcrop	High grade sample of massive magnetite and ilmenite. 5/5 magnetism. Possible supergene enrichment.
3217333	471163	5546131	460	2019-07-15	Dab	Rock Grab	Outcrop	Very coarse-grained gabbro with weathered pyroxene to chlorite. 3/5 magnetism. 5% magnetite, 5% ilmenite.
3217334	471158	5546131	459	2019-07-15	Dab	Rock Grab	Outcrop	Massive sub-euhedral 0.5-1.5cm course grained dark grey anorthosite with 10% magnetite and 5% ilmenite. 4/5 magnetism.
3217335	471167	5546108	463	2019-07-15	Dab	Rock Grab	Outcrop	Massive sub-euhedral 0.5-1.5cm course grained dark grey anorthosite with 10% magnetite and 5% ilmenite. 4/5 magnetism.
3217336	471147	5546107	467	2019-07-15	Dab	Rock Grab	Outcrop	High grade sample of ilmenite and magnetite from anorthosite host (3217335)
3217337	471147	5546106	467	2019-07-15	Dab	Rock Grab	Outcrop	Massive sub-euhedral 0.5-1.5cm course grained dark grey anorthosite with a gossanous zone of larger 2-4cm cumulate with magnetite and ilmenite with rusty and metallic luster. 3/5 magnetism.
3217338	470271	5546028	436	2019-07-15	Dab	Rock Grab	Outcrop	~1-3cm blebs of ilmenite and magnetite in a course grained gabbro with weathered pyroxene to chlorite.
3217339	470138	5546238	438	2019-07-15	Dab	Rock Grab	Outcrop	~1-3cm blebs of ilmenite and magnetite in a very coarse grained anorthosite.
3217340	469851	5546550	472	2019-07-15	Dab	Rock Grab	Outcrop	Very course grained dark grey anorthosite with a gossanous zone of larger 2-4cm cumulate with blebs ~10% magnetite and 5% ilmenite with rusty and metallic luster. 4/5 magnetism.
3217341	469806	5546689	465	2019-07-15	Dab	Rock Grab	Outcrop	Coarse-grained gabbro with weathered pyroxene to chlorite. 3/5 magnetism. 3% magnetite, 10% ilmenite.
3217342	469841	5546933	476	2019-07-15	Dab	Rock Grab	Outcrop	Sub-euhedral 0.5-1.5cm coarse grained dark grey anorthosite with 20% magnetite and 5% ilmenite.
3217343	469922	5547075	485	2019-07-15	Dab	Rock Grab	Outcrop	Sub-euhedral 0.5-1.5cm coarse grained dark grey anorthosite with 20% magnetite and 5% ilmenite.
3217344	465638	5545063	443	2019-07-16	Dab	Rock Grab	Outcrop	Coarse-grained gabbro with weathered pyroxene to chlorite and equigranular medium grained quartz vein ~5cm. 3/5 magnetism. 5% magnetite
3217345	465790	5544800	439	2019-07-16	Dab	Rock Grab	Outcrop	Coarse-grained gabbro with weathered pyroxene to chlorite and equigranular medium grained quartz vein ~5cm. 3/5 magnetism. 5% magnetite
3217346	465800	5544821	442	2019-07-16	Dab	Rock Grab	Outcrop	Banded gneiss outcrop next to massive very coarse grained ~5cm anorthosite cumulate. 1/5 magnetism. 2-5% magnetite.
3217347	465805	5544706	441	2019-07-16	Dab	Rock Grab	Outcrop	Massive sub-euhedral 0.5-1.5cm course grained dark grey anorthosite with a gossanous zone of larger 2-4cm cumulate with magnetite and ilmenite with rusty and metallic luster. 3/5 magnetism
3217348	465736	5544217	441	2019-07-16	Dab	Rock Grab	Outcrop	Massive sub-euhedral 0.5-1.5cm course grained dark grey anorthosite with a gossanous zone of larger 2-4cm cumulate with magnetite and ilmenite with rusty and metallic luster. 3/5 magnetism
3217349	465651	5544295	437	2019-07-16	Dab	Rock Grab	Outcrop	Coarse grained gabbro with quartz vein next to a 5cm quartz feldspar porphyry dyke. Magnetite is found in the interstices of the gabbro feldspars.
3217350	465542	5544474	523	2019-07-16	Dab	Rock Grab	Outcrop	Very course grained dark grey anorthosite with blebs ~5-7% magnetite and 5% ilmenite with rusty and metallic luster. 4/5 magnetism.
1	467495	5546192	435	2019-07-15	Dab	Rock Grab	Outcrop	Grab next to channel sample massive MG and ilmenite. Massive, just down hill of possible old drill hole, foliation looks 290/045 roughly
2	467512	5546210	440	2019-07-15	Dab	Rock Grab	Outcrop	outcrop along channel sampling DB-19-C02

Appendix D: Rock Assay Certificates



BUREAU VERITAS
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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

Submitted By: James Rogers
Receiving Lab: Canada-Timmins
Received: July 26, 2019
Report Date: September 11, 2019
Page: 1 of 4

CERTIFICATE OF ANALYSIS

TIM19001719.1

CLIENT JOB INFORMATION

Project: Dab
Shipment ID:
P.O. Number
Number of Samples: 82

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1
Canada

CC: Trent Potts
Matt Krukowski

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	82	Crush, split and pulverize 250 g rock to 200 mesh			TIM
SHP01	82	Per sample shipping charges for branch shipments			TIM
MA200	82	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	82	Environmental disposal fee - Multi-acid neutralization			VAN
LF202	82	Total Whole Rock Characterization with AQ200	0.2	Completed	VAN

ADDITIONAL COMMENTS

Jeffrey Cannon
JEFFREY CANNON
Geochemistry Department Supervisor

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. *** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Vancouver British Columbia V6B 1P1 Canada

Project: Dab
Report Date: September 11, 2019

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CERTIFICATE OF ANALYSIS

TIM19001719.1

Method Analyte Unit	AQ200		AQ200		AQ200		AQ200		AQ200		AQ200		AQ200	
	Cd ppm	Sb ppm	Bi ppm	Ag ppm	Au ppb	Hg ppm	Tl ppm	Pb ppm	Se ppm	TI ppm	Se ppm	MDL	MDL	MDL
3217251	Rock	<0.1	<0.1	<0.1	<0.1	1.0	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217252	Rock	<0.1	<0.1	<0.1	<0.1	0.8	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217253	Rock	<0.1	<0.1	<0.1	<0.1	0.8	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217254	Rock	<0.1	<0.1	<0.1	<0.1	0.6	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217255	Rock	<0.1	<0.1	<0.1	<0.1	1.1	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217256	Rock	<0.1	<0.1	<0.1	<0.1	1.0	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217257	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217258	Rock	<0.1	0.1	0.2	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217259	Rock	<0.1	<0.1	<0.1	<0.1	0.8	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217260	Rock	<0.1	<0.1	<0.1	<0.1	0.9	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217261	Rock	<0.1	<0.1	<0.1	<0.1	0.8	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217262	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217263	Rock	<0.1	<0.1	<0.1	<0.1	0.7	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217264	Rock	<0.1	<0.1	<0.1	<0.1	0.6	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217265	Rock	<0.1	<0.1	<0.1	<0.1	0.7	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217266	Rock	<0.1	<0.1	<0.1	<0.1	1.1	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217267	Rock	<0.1	<0.1	<0.1	<0.1	1.3	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217268	Rock	<0.1	<0.1	<0.1	<0.1	0.6	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217269	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217270	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217271	Rock	<0.1	<0.1	<0.1	<0.1	1.0	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217272	Rock	<0.1	<0.1	<0.1	<0.1	1.1	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217273	Rock	<0.1	<0.1	<0.1	<0.1	1.7	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217274	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217275	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217276	Rock	<0.1	<0.1	<0.1	<0.1	1.1	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217277	Rock	<0.1	<0.1	<0.1	<0.1	0.8	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217278	Rock	<0.1	<0.1	<0.1	<0.1	0.7	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217279	Rock	<0.1	<0.1	<0.1	<0.1	0.7	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5
3217280	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Longford Exploration Services Ltd.
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Project: Dab
Report Date: September 11, 2019

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CERTIFICATE OF ANALYSIS

TIM19001719.1

Method	Wght	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	P	Ca	MA200
Analyte	Unit	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	%	%	MA200
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	MA200
MDL		0.01	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	1	0.01	0.001	MA200
3217281 DUP of 3217280 Reject	Rock DUP	<0.01	0.5	8.9	9.0	114	<0.1	49.8	39.6	865	5.48	2	<0.1	<0.1	582	<0.1	<0.1	156	5.34	0.014		MA200	
3217282	Rock	1.71	0.5	10.9	4.6	8	<0.1	7.4	6.1	87	0.61	1	<0.1	<0.1	708	<0.1	<0.1	11	6.26	0.013		MA200	
3217301	Rock	1.94	0.2	252.9	1.0	42	<0.1	400.0	79.1	550	5.54	1	<0.1	<0.1	652	<0.1	<0.1	46	5.79	0.014		MA200	
3217302	Rock	1.19	0.4	8.9	0.9	56	<0.1	148.4	57.9	798	6.20	2	<0.1	<0.1	654	<0.1	<0.1	47	6.02	0.014		MA200	
3217303	Rock	1.56	0.1	64.8	0.8	53	<0.1	126.0	48.1	646	5.94	2	<0.1	<0.1	633	<0.1	<0.1	89	5.90	0.012		MA200	
3217304	Rock	1.08	0.2	7.8	1.4	35	<0.1	22.0	19.1	263	3.55	2	<0.1	0.2	718	<0.1	<0.1	191	6.13	0.224		MA200	
3217305	Rock	1.59	0.2	83.8	1.1	72	<0.1	90.4	51.2	570	6.56	2	<0.1	<0.1	688	<0.1	<0.1	331	5.46	0.010		MA200	
3217306	Rock	2.58	0.2	33.8	0.8	75	<0.1	91.3	56.0	706	8.11	1	<0.1	<0.1	621	<0.1	<0.1	303	5.43	0.011		MA200	
3217307	Rock	1.78	<0.1	13.6	1.8	26	<0.1	22.2	14.4	212	2.23	2	<0.1	0.1	757	<0.1	<0.1	88	6.50	0.023		MA200	
3217308	Rock	1.36	2.2	4.3	27.9	9	<0.1	6.7	3.9	89	0.85	1	3.4	4.4	289	<0.1	<0.1	12	2.14	0.007		MA200	
3217309	Rock	1.81	0.4	19.2	20.8	35	<0.1	20.3	15.4	371	3.74	1	1.6	2.0	556	<0.1	<0.1	181	4.43	0.007		MA200	
3217310	Rock	2.95	0.3	9.7	2.9	80	<0.1	57.7	43.1	541	8.14	2	0.1	<0.1	693	<0.1	<0.1	471	5.39	0.012		MA200	
3217311	Rock	2.26	0.5	23.4	1.0	318	<0.1	289.7	162.1	1492	38.38	2	0.2	0.2	189	<0.1	<0.1	3415	1.51	0.021		MA200	
3217312	Rock	2.18	0.6	3.6	42.9	30	<0.1	3.8	2.9	826	0.95	<1	20.9	9.8	120	<0.1	<0.1	6	1.55	0.004		MA200	
3217313	Rock	1.05	0.1	4.0	1.2	27	<0.1	22.2	15.1	191	2.82	1	<0.1	0.1	737	<0.1	<0.1	150	6.09	0.010		MA200	
3217314	Rock	1.07	0.1	2.8	1.5	38	<0.1	28.4	21.8	276	4.08	2	0.2	0.2	701	<0.1	<0.1	219	6.09	0.009		MA200	
3217315	Rock	2.59	0.6	48.8	0.3	353	<0.1	310.5	210.0	2421	41.44	3	<0.1	<0.1	75	<0.1	<0.1	2859	0.51	0.004		MA200	
3217316	Rock	0.64	0.1	2.7	1.6	16	<0.1	16.1	11.2	214	1.68	<1	<0.1	0.2	762	<0.1	<0.1	33	6.09	0.014		MA200	
3217317	Rock	1.76	0.9	27.4	6.4	125	<0.1	82.7	51.8	930	8.97	2	0.6	2.6	488	0.1	<0.1	336	4.89	0.133		MA200	
3217318	Rock	1.89	0.5	41.5	0.4	316	<0.1	275.6	194.2	2261	35.58	4	<0.1	<0.1	137	<0.1	<0.1	2237	1.02	0.006		MA200	
3217319	Rock	4.03	0.6	30.9	0.3	347	<0.1	309.7	207.7	2379	40.62	4	<0.1	<0.1	80	<0.1	<0.1	2729	0.61	0.004		MA200	
3217320	Rock	4.34	0.8	71.1	0.3	290	<0.1	292.9	201.7	2405	36.02	6	<0.1	<0.1	115	<0.1	<0.1	2211	0.84	0.009		MA200	
3217321	Rock	3.73	0.6	95.3	0.3	251	<0.1	299.9	206.1	2567	33.74	3	<0.1	<0.1	113	<0.1	<0.1	1640	0.85	0.013		MA200	
3217322	Rock	4.68	0.6	52.2	0.2	345	<0.1	299.3	205.2	2290	39.17	3	<0.1	<0.1	70	<0.1	<0.1	2691	0.54	0.003		MA200	
3217323	Rock	4.17	0.8	62.8	0.2	354	<0.1	329.9	207.9	2204	37.58	4	<0.1	<0.1	90	<0.1	<0.1	2751	0.65	0.003		MA200	
3217324	Rock	2.80	0.6	53.6	0.4	307	<0.1	289.1	188.7	2092	35.75	3	<0.1	<0.1	168	<0.1	<0.1	2453	1.17	0.005		MA200	
3217325 DUP of 3217324 Reject	Rock DUP	<0.01	0.6	55.4	0.3	340	<0.1	295.9	194.0	2128	36.30	4	<0.1	<0.1	165	<0.1	<0.1	2480	1.19	0.005		MA200	
3217326	Rock	4.38	0.6	61.5	0.2	301	<0.1	293.5	208.2	2393	39.57	4	<0.1	<0.1	79	<0.1	<0.1	2557	0.58	0.004		MA200	
3217327	Rock	3.86	0.5	29.3	0.2	272	<0.1	310.8	199.7	2402	38.43	6	<0.1	<0.1	79	<0.1	<0.1	2570	0.57	0.005		MA200	
3217328	Rock	3.19	0.5	82.6	0.2	336	<0.1	337.3	199.8	2357	43.34	2	<0.1	0.9	69	<0.1	<0.1	2561	0.47	0.005		MA200	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



CERTIFICATE OF ANALYSIS

TIM19001719.1

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	Rb	
Unit	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	0.1	
3217281 DUP of 3217280 Reject	Rock	DUP	1.5	20	1.93	103	0.620	10.00	2.862	0.47	3.2	3	0.5	0.4	0.5	<0.1	<0.1	1	14.3	<0.1	4.5
3217282	Rock		1.5	1	0.14	176	0.421	10.18	4.007	0.35	0.1	1.1	3	<0.1	0.7	0.3	<0.1	<0.1	6.3	<0.1	2.2
3217301	Rock		1.6	14	2.93	129	0.746	10.52	2.921	0.25	<0.1	7.2	3	<0.1	1.6	2.2	0.2	<0.1	3	2.1	0.6
3217302	Rock		2.1	12	4.10	133	0.754	10.81	2.741	0.29	<0.1	8.3	4	0.2	2.6	2.9	0.2	<0.1	5	3.0	<0.1
3217303	Rock		1.6	15	3.11	130	0.554	10.12	2.844	0.23	<0.1	9.8	3	0.1	2.7	1.0	<0.1	<0.1	5	1.9	<0.1
3217304	Rock		3.6	28	0.22	214	0.819	10.63	3.650	0.43	<0.1	1.8	10	0.2	7.7	1.4	<0.1	<0.1	<0.1	7.4	<0.1
3217305	Rock		1.8	72	1.18	159	2.365	11.14	3.071	0.34	<0.1	4.6	4	0.4	1.6	3.4	0.2	<0.1	3	2.7	0.2
3217306	Rock		1.4	68	2.24	146	1.437	10.20	2.835	0.30	<0.1	6.8	3	0.2	1.4	1.1	<0.1	<0.1	2	2.0	<0.1
3217307	Rock		1.6	20	0.30	190	0.512	10.23	3.654	0.30	0.3	1.2	4	<0.1	1.6	0.9	<0.1	<0.1	1	5.5	<0.1
3217308	Rock		3.6	3	0.15	70	0.127	7.09	3.585	0.29	0.3	8.8	7	0.5	3.8	14.0	5.7	11	<0.1	3.7	<0.1
3217309	Rock		2.4	51	0.18	171	0.848	9.94	3.747	0.40	0.5	8.1	5	1.9	6.6	16.0	1.6	5	<0.1	3.6	<0.1
3217310	Rock		2.1	128	0.97	139	2.233	11.43	3.244	0.47	0.6	5.8	4	0.4	2.6	2.9	0.3	<0.1	2	8.9	<0.1
3217311	Rock		1.4	2306	1.08	33	7.899	6.30	0.727	0.03	0.2	6.9	3	1.7	1.7	3.1	0.2	<0.1	2	2.2	<0.1
3217312	Rock		3.3	3	0.10	36	0.059	7.21	4.012	0.62	0.4	39.2	10	2.3	61.3	125.1	8.2	14	2	5.6	<0.1
3217313	Rock		1.7	39	0.15	187	0.646	10.37	3.610	0.37	<0.1	1.0	4	<0.1	0.5	1.3	<0.1	<0.1	<0.1	2.7	<0.1
3217314	Rock		1.5	42	0.32	170	0.968	11.11	3.568	0.41	0.1	1.5	3	0.3	1.2	1.9	0.3	<0.1	<0.1	4.5	<0.1
3217315	Rock		0.5	420	1.98	24	9.216	3.88	0.225	0.04	<0.1	48.9	1	1.5	0.8	5.3	0.4	<0.1	3	1.9	<0.1
3217316	Rock		1.9	5	0.56	208	0.261	10.79	3.700	0.43	<0.1	11.3	4	0.1	1.1	1.2	<0.1	<0.1	<0.1	4.0	<0.1
3217317	Rock		19.2	73	2.82	493	1.956	8.01	2.270	1.06	0.1	68.8	44	1.3	21.3	8.7	0.5	1	16	7.2	<0.1
3217318	Rock		0.6	318	3.62	35	8.404	4.00	0.446	0.08	<0.1	42.8	2	1.1	1.2	5.1	0.4	<0.1	5	0.7	<0.1
3217319	Rock		0.6	382	2.22	25	8.551	3.56	0.252	0.05	<0.1	45.3	2	1.8	0.8	4.8	0.3	<0.1	3	1.3	<0.1
3217320	Rock		0.8	307	3.95	33	8.278	3.38	0.460	0.07	<0.1	43.9	2	8.3	1.0	4.8	0.4	<0.1	2	3.1	<0.1
3217321	Rock		0.9	225	6.97	34	7.224	2.99	0.432	0.07	0.2	34.0	2	11.6	1.3	4.2	0.3	<0.1	3	4.4	<0.1
3217322	Rock		0.5	356	2.07	23	8.916	3.51	0.210	0.05	<0.1	42.5	1	4.4	0.7	4.5	0.3	<0.1	4	1.3	<0.1
3217323	Rock		0.7	375	2.09	34	8.383	3.54	0.281	0.05	0.1	39.6	2	6.1	0.8	4.0	0.3	<0.1	3	2.1	<0.1
3217324	Rock		0.9	344	2.44	49	8.616	4.58	0.633	0.10	<0.1	42.7	2	5.9	1.1	4.0	0.3	<0.1	6	2.0	<0.1
3217325 DUP of 3217324 Reject	Rock	DUP	0.9	348	2.61	48	8.875	4.70	0.601	0.10	<0.1	42.2	2	5.6	1.2	4.0	0.3	<0.1	6	1.6	<0.1
3217326	Rock		0.5	361	2.21	28	8.412	3.31	0.262	0.05	<0.1	43.5	1	7.0	0.6	4.9	0.4	<0.1	2	2.0	<0.1
3217327	Rock		0.5	354	2.84	25	8.657	3.05	0.279	0.05	0.2	40.2	1	2.3	0.5	4.5	0.3	<0.1	2	1.7	<0.1
3217328	Rock		0.5	381	2.28	34	5.873	2.81	0.213	0.04	<0.1	39.8	1	6.6	0.7	5.4	0.4	<0.1	4	2.3	<0.1



BUREAU VERITAS
MINERAL LABORATORIES
Canada

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

www.bureauveritas.com/um

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

Project: Dab
Report Date: September 11, 2019

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CERTIFICATE OF ANALYSIS

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Method Analyte Unit	MDL	MA200		MA200		MA200		MA200		MA200		MA200		MA200		MA200		MA200		MA200		MA200		MA200		MA200		MA200		MA200							
		ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%						
3217281 DUP of 3217280 Reject	Rock DUP	0.1	<0.05	<0.005	<1	0.7	<0.5	47.57	23.20	8.67	3.70	8.18	3.81	0.64	1.37	0.02	0.11	0.004	112	51	2																
3217282	Rock	<0.1	<0.05	<0.005	<1	0.6	<0.5	54.38	27.44	1.05	0.33	9.48	5.44	0.52	0.21	0.03	0.01	<0.002	187	<20	<1																
3217301	Rock	0.2	<0.05	<0.005	1	0.5	<0.5	47.57	21.83	8.97	5.64	8.62	3.73	0.36	1.30	0.03	0.07	0.003	138	438	4																
3217302	Rock	0.3	<0.05	<0.005	<1	1.1	<0.5	47.97	20.97	9.55	7.29	8.58	3.50	0.37	1.30	0.03	0.10	0.002	132	143	5																
3217303	Rock	0.3	<0.05	<0.005	<1	0.9	<0.5	48.30	21.41	9.52	5.88	8.84	3.73	0.35	0.96	0.02	0.09	0.003	130	128	6																
3217304	Rock	<0.1	<0.05	<0.005	<1	<0.5	<0.5	50.18	25.46	5.80	0.47	9.77	4.81	0.64	1.44	0.57	0.04	0.005	233	<20	2																
3217305	Rock	0.2	<0.05	<0.005	<1	<0.5	<0.5	45.93	23.23	10.61	2.14	8.54	4.06	0.46	3.84	0.02	0.07	0.013	169	89	5																
3217306	Rock	0.2	<0.05	<0.005	<1	0.7	<0.5	45.83	21.73	12.85	4.20	8.07	3.63	0.42	2.41	0.02	0.09	0.013	159	88	4																
3217307	Rock	<0.1	<0.05	<0.005	<1	<0.5	<0.5	52.34	26.27	3.59	0.62	9.89	4.89	0.42	0.91	0.06	0.03	0.004	202	22	2																
3217308	Rock	0.7	<0.05	<0.005	<1	<0.5	<0.5	73.71	15.03	1.31	0.29	3.26	4.96	0.37	0.21	0.02	0.01	<0.002	76	<20	1																
3217309	Rock	0.5	<0.05	<0.005	<1	<0.5	<0.5	56.16	22.73	5.92	0.38	7.06	5.00	0.55	1.48	0.02	0.05	0.010	182	<20	2																
3217310	Rock	0.2	<0.05	<0.005	<1	<0.5	<0.5	44.96	22.92	12.64	1.72	8.18	4.15	0.60	3.60	0.02	0.07	0.022	142	56	4																
3217311	Rock	0.4	0.08	<0.005	<1	<0.5	<0.5	11.58	13.34	57.19	1.98	2.14	1.01	0.03	>10	<0.01	0.20	0.371	30	326	11																
3217312	Rock	2.2	<0.05	<0.005	1	<0.5	<0.5	73.18	15.24	1.55	0.19	2.39	5.50	0.82	0.10	0.02	0.12	<0.002	36	<20	2																
3217313	Rock	<0.1	<0.05	<0.005	<1	<0.5	<0.5	51.27	26.56	4.61	0.36	9.41	4.89	0.53	1.18	0.02	0.03	0.008	220	<20	<1																
3217314	Rock	0.1	<0.05	<0.005	<1	<0.5	<0.5	50.02	25.71	6.45	0.67	9.20	4.75	0.53	1.70	0.03	0.04	0.008	187	28	2																
3217315	Rock	1.4	0.16	<0.005	<1	<0.5	<0.5	4.67	9.04	63.20	3.55	0.75	0.30	0.05	>10	<0.01	0.32	0.072	25	328	17																
3217316	Rock	0.3	<0.05	<0.005	<1	<0.5	<0.5	53.76	25.80	2.76	1.14	9.30	4.88	0.57	0.44	0.03	0.03	<0.002	215	<20	2																
3217317	Rock	1.6	0.08	0.006	<1	0.7	<0.5	47.67	15.64	14.32	5.14	7.43	2.99	1.33	3.26	0.30	0.12	0.014	518	82	19																
3217318	Rock	1.3	0.12	<0.005	<1	<0.5	<0.5	11.51	10.16	54.54	6.84	1.53	0.63	0.10	>10	<0.01	0.30	0.058	37	313	17																
3217319	Rock	1.4	0.12	<0.005	<1	<0.5	<0.5	6.19	9.31	62.54	4.58	0.94	0.36	0.07	>10	<0.01	0.32	0.067	23	343	16																
3217320	Rock	1.3	0.13	<0.005	<1	<0.5	<0.5	12.81	8.88	55.26	7.58	1.26	0.62	0.09	>10	<0.01	0.32	0.056	32	324	14																
3217321	Rock	1.0	0.07	<0.005	<1	<0.5	<0.5	18.93	7.23	49.14	12.09	1.23	0.59	0.09	>10	<0.01	0.33	0.042	34	323	11																
3217322	Rock	1.2	0.15	<0.005	<1	<0.5	<0.5	5.13	9.23	62.51	4.12	0.82	0.30	0.06	>10	<0.01	0.31	0.069	26	339	17																
3217323	Rock	1.3	0.12	<0.005	<1	<0.5	<0.5	6.94	9.85	60.56	4.44	0.99	0.40	0.07	>10	<0.01	0.30	0.067	35	363	16																
3217324	Rock	1.3	0.10	<0.005	<1	<0.5	<0.5	10.87	11.15	55.14	4.74	1.79	0.85	0.13	>10	<0.01	0.28	0.063	48	333	18																
3217325 DUP of 3217324 Reject	Rock DUP	1.4	0.11	<0.005	<1	<0.5	<0.5	11.16	11.29	54.63	4.98	1.79	0.88	0.13	>10	<0.01	0.28	0.063	49	332	17																
3217326	Rock	1.2	0.14	<0.005	<1	<0.5	<0.5	6.03	9.09	61.74	4.51	0.88	0.36	0.07	>10	<0.01	0.32	0.068	29	335	16																
3217327	Rock	1.2	0.07	<0.005	<1	<0.5	<0.5	7.19	8.83	60.96	5.60	0.85	0.37	0.06	>10	<0.01	0.32	0.067	26	349	15																
3217328	Rock	1.3	0.07	<0.005	<1	<0.5	<0.5	6.45	8.73	61.60	5.05	0.74	0.30	0.06	>10	<0.01	0.32	0.068	37	349	15																

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client:

Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

Project:

Dab

Report Date:

September 11, 2019

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CERTIFICATE OF ANALYSIS

TIM19001719.1

Method	LOI	Sum	%	MDL	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
Analyte	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Unit																						
MDL																						
3217281 DUP of 3217280 Reject	Rock	DUP																				
3217282	Rock		2.5	99.82	3	37.3	0.1	19.0	0.2	0.5	16.2	<1	624.1	<0.1	<0.2	<0.1	162	<0.5	6.3	0.6	3.2	4.5
3217301	Rock		1.0	99.91	2	4.1	0.1	19.2	0.1	0.2	6.7	<1	794.4	<0.1	<0.2	<0.1	<8	<0.5	4.2	1.0	3.4	6.0
3217302	Rock		1.6	99.78	<1	80.7	<0.1	15.7	0.5	2.1	1.6	<1	653.4	0.2	<0.2	<0.1	57	<0.5	19.2	1.8	2.6	4.6
3217303	Rock		0.1	99.79	<1	54.7	<0.1	14.8	0.6	2.8	1.7	<1	630.9	0.2	<0.2	<0.1	48	0.7	25.6	2.7	2.3	4.7
3217304	Rock		0.7	99.79	<1	46.3	<0.1	16.4	0.5	1.3	1.5	<1	647.8	<0.1	<0.2	<0.1	90	<0.5	14.2	3.3	2.7	4.9
3217305	Rock		0.6	99.86	<1	16.9	<0.1	19.8	0.6	1.5	4.7	<1	769.6	<0.1	0.3	<0.1	198	<0.5	20.9	12.2	7.7	18.3
3217306	Rock		0.8	99.79	<1	47.9	<0.1	21.0	0.7	3.3	2.0	<1	714.5	0.2	<0.2	<0.1	355	<0.5	25.9	1.8	2.8	4.9
3217307	Rock		0.5	99.78	<1	56.2	<0.1	20.8	0.3	1.2	1.7	<1	680.4	0.1	<0.2	<0.1	324	<0.5	10.8	1.6	2.9	4.1
3217308	Rock		0.8	99.87	<1	12.9	<0.1	19.4	0.3	0.9	2.3	<1	828.8	<0.1	<0.2	<0.1	95	<0.5	11.2	2.7	3.7	6.0
3217309	Rock		0.8	99.96	12	3.7	0.4	28.0	1.0	13.5	8.8	<1	294.4	5.5	4.9	3.6	17	<0.5	11.1	8.5	5.0	9.0
3217310	Rock		0.5	99.87	10	13.7	0.7	26.5	0.6	16.4	26.1	2	593.9	1.9	2.8	2.3	191	0.6	13.1	11.2	5.0	8.1
3217311	Rock		0.9	99.78	<1	41.4	0.5	24.5	0.6	2.9	9.8	<1	709.1	0.4	<0.2	<0.1	486	0.8	17.7	3.3	2.9	5.7
3217312	Rock		-1.9	99.24	<1	186.6	<0.1	63.1	1.1	2.9	0.5	1	176.6	0.2	<0.2	0.3	3392	<0.5	34.6	1.8	1.8	3.1
3217313	Rock		0.8	99.93	16	2.8	0.4	34.6	2.5	130.0	33.1	2	120.3	8.7	10.0	23.7	9	<0.5	41.2	83.1	4.6	11.5
3217314	Rock		1.0	99.87	<1	14.3	<0.1	21.3	0.2	1.5	2.7	<1	838.3	0.1	<0.2	<0.1	161	<0.5	5.7	0.7	4.0	6.6
3217315	Rock		0.7	99.85	2	21.2	1.1	21.0	0.2	1.8	10.3	<1	790.7	0.4	<0.2	0.2	228	<0.5	6.6	1.9	3.1	5.1
3217316	Rock		-1.7	99.32	<1	225.0	<0.1	54.6	1.5	5.2	0.5	1	67.3	0.4	<0.2	<0.1	2795	<0.5	44.7	0.7	0.6	1.1
3217317	Rock		1.1	99.88	<1	10.2	<0.1	19.0	0.8	1.0	3.6	<1	800.3	<0.1	<0.2	<0.1	37	<0.5	33.4	1.6	3.7	6.2
3217318	Rock		1.4	99.72	3	51.3	0.4	23.9	5.0	8.9	27.3	1	505.7	0.5	2.1	0.6	353	<0.5	202.0	23.5	20.6	45.0
3217319	Rock		-2.2	99.36	<1	225.2	<0.1	47.0	1.4	4.7	0.8	<1	134.0	0.4	<0.2	<0.1	2244	<0.5	42.0	1.3	1.3	1.4
3217320	Rock		-2.5	99.31	<1	235.1	<0.1	55.6	1.4	4.7	0.5	1	75.2	0.4	<0.2	<0.1	2736	<0.5	46.3	0.9	1.1	1.5
3217321	Rock		-2.2	99.36	<1	220.4	<0.1	45.2	1.2	4.7	0.7	7	109.2	0.4	<0.2	<0.1	2188	<0.5	41.3	0.9	1.1	1.7
3217322	Rock		-1.6	99.41	<1	217.2	<0.1	33.0	1.1	4.1	0.8	11	104.2	0.4	<0.2	<0.1	1597	<0.5	32.6	1.3	1.4	1.8
3217323	Rock		-2.1	99.31	<1	236.3	<0.1	56.0	1.4	4.6	0.5	4	68.1	0.4	<0.2	<0.1	2760	<0.5	43.6	0.6	0.9	1.3
3217324	Rock		-1.1	99.30	1	233.9	<0.1	54.7	1.3	4.1	0.5	5	92.8	0.3	<0.2	<0.1	2703	<0.5	41.0	0.9	1.0	1.7
3217325 DUP of 3217324 Reject	Rock	DUP	-1.7	99.34	<1	218.1	<0.1	51.8	1.3	4.0	0.8	5	156.0	0.3	<0.2	<0.1	2481	<0.5	43.1	1.2	1.4	2.1
3217326	Rock		-1.5	99.34	<1	219.2	<0.1	51.7	1.3	3.8	0.8	5	157.8	0.3	<0.2	<0.1	2450	<0.5	43.4	1.1	1.3	2.0
3217327	Rock		-2.7	99.32	<1	236.8	<0.1	52.2	1.4	5.1	0.6	7	79.2	0.5	<0.2	<0.1	2640	<0.5	45.0	0.6	1.0	1.0
3217328	Rock		-2.8	99.32	<1	246.7	<0.1	51.7	1.1	4.6	0.4	2	78.5	0.4	<0.2	<0.1	2603	<0.5	43.1	0.6	0.9	1.0
3217329	Rock		-2.0	99.31	<1	235.8	<0.1	51.8	1.3	4.5	0.6	6	67.5	0.3	<0.2	<0.1	2673	<0.5	40.5	0.6	0.7	1.1



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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client:

Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

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CERTIFICATE OF ANALYSIS

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Method Analyte Unit	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	TC000	TC000	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	%	%	%	%	Cu	Pb	Zn	Ni	As	ppm
MDL	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.01	0.02	0.02	0.02	0.02	0.1	0.1	1	1	0.1	0.5
3217281 DUP of 3217280 Reject	0.49	1.9	0.23	0.99	0.23	0.02	0.14	0.03	0.08	<0.01	0.07	<0.01	0.09	<0.02	0.4	7.9	2.1	85	42.1				<0.5
3217282	Rock	0.70	2.8	0.43	1.17	0.31	0.28	0.04	0.08	<0.01	0.06	<0.01	0.09	0.03	0.5	11.8	1.1	7	7	7	7.5		<0.5
3217301	Rock	0.54	2.6	0.53	0.82	0.55	0.41	0.07	0.19	0.03	0.19	0.02	0.08	0.69	0.3	266.5	0.4	6	6	6	411.9		<0.5
3217302	Rock	0.75	2.7	0.68	0.75	0.63	0.10	0.53	0.11	0.32	0.05	0.26	0.04	0.10	<0.02	0.1	8.6	0.3	5	5	106.5		<0.5
3217303	Rock	0.72	3.0	0.71	0.86	0.81	0.11	0.75	0.13	0.34	0.05	0.30	0.05	0.10	0.02	0.1	68.1	0.3	7	7	99.1		<0.5
3217304	Rock	2.76	12.8	3.19	1.52	3.18	0.44	2.36	0.43	1.10	0.14	0.81	0.10	0.04	<0.02	0.2	7.8	0.5	13	23.4			0.9
3217305	Rock	0.64	2.9	0.49	0.94	0.48	0.06	0.38	0.09	0.17	0.02	0.18	0.03	0.05	0.17	0.2	84.8	0.4	13	76.0			<0.5
3217306	Rock	0.59	2.2	0.42	0.99	0.44	0.06	0.29	0.06	0.14	0.02	0.15	0.02	0.06	0.09	0.1	36.2	0.3	9	77.1			<0.5
3217307	Rock	0.87	3.8	0.59	1.21	0.70	0.09	0.50	0.10	0.25	0.03	0.23	0.03	0.07	0.04	<0.1	14.3	0.9	20	20.2			<0.5
3217308	Rock	1.21	4.8	1.34	0.51	1.25	0.21	1.16	0.25	0.72	0.11	0.77	0.13	0.06	<0.02	2.1	4.0	3.2	7	7.3			0.7
3217309	Rock	1.03	4.2	0.85	0.89	1.08	0.21	1.48	0.36	1.09	0.19	1.50	0.26	0.08	<0.02	0.3	17.6	2.6	16	18.0			<0.5
3217310	Rock	0.68	2.6	0.51	0.89	0.66	0.08	0.52	0.11	0.29	0.04	0.29	0.04	0.11	<0.02	0.2	6.7	0.9	24	50.1			0.8
3217311	Rock	0.43	2.0	0.30	0.24	0.36	0.05	0.34	0.07	0.13	0.02	0.17	0.03	0.03	<0.02	0.2	12.5	0.3	19	182.3			<0.5
3217312	Rock	1.95	9.6	4.71	0.62	7.61	2.03	15.94	3.73	12.84	2.10	15.56	2.56	0.06	<0.02	0.5	3.0	4.7	23	3.2			<0.5
3217313	Rock	0.77	3.1	0.40	1.30	0.34	0.03	0.18	0.03	0.05	<0.01	0.06	<0.01	0.08	<0.02	<0.1	2.9	0.3	9	18.7			<0.5
3217314	Rock	0.64	2.7	0.55	1.05	0.40	0.05	0.30	0.07	0.14	0.02	0.16	0.02	0.08	<0.02	<0.1	1.3	0.4	12	23.4			<0.5
3217315	Rock	0.15	0.7	0.10	0.13	0.18	0.02	0.12	0.03	0.08	0.01	0.12	0.02	0.07	<0.02	<0.1	31.0	0.3	103	272.5			<0.5
3217316	Rock	0.78	2.8	0.53	1.05	0.48	0.06	0.33	0.06	0.14	0.02	0.14	0.02	0.25	<0.02	0.1	2.2	0.4	4	12.6			0.5
3217317	Rock	6.25	28.1	5.80	1.98	5.93	0.83	4.71	0.91	2.48	0.33	2.07	0.30	0.10	0.08	0.9	25.8	1.6	62	69.9			<0.5
3217318	Rock	0.14	1.1	0.18	0.20	0.17	0.03	0.23	0.05	0.11	0.02	0.19	0.03	0.11	<0.02	0.2	26.7	0.1	35	226.9			<0.5
3217319	Rock	0.19	0.7	0.12	0.13	0.16	0.02	0.15	0.04	0.12	<0.01	0.11	0.02	0.14	<0.02	<0.1	16.3	0.2	84	271.8			<0.5
3217320	Rock	0.22	1.2	0.21	0.18	0.17	0.03	0.19	0.03	0.12	0.01	0.15	0.02	0.12	<0.02	<0.1	67.3	0.2	91	270.8			<0.5
3217321	Rock	0.22	1.0	0.18	0.17	0.24	0.04	0.23	0.05	0.16	0.02	0.17	0.03	0.12	<0.02	0.2	78.6	0.2	65	274.7			<0.5
3217322	Rock	0.13	0.8	0.14	0.13	0.16	0.01	0.13	0.02	0.07	<0.01	0.09	<0.01	0.06	<0.02	<0.1	40.6	0.1	110	276.7			<0.5
3217323	Rock	0.20	1.0	0.19	0.17	0.21	0.02	0.16	0.02	0.09	0.01	0.12	0.01	0.10	<0.02	<0.1	45.9	0.2	116	295.7			<0.5
3217324	Rock	0.25	1.3	0.20	0.28	0.25	0.03	0.25	0.05	0.13	0.02	0.12	0.02	0.08	<0.02	<0.1	40.9	0.1	80	247.2			<0.5
3217325 DUP of 3217324 Reject	Rock DUP	0.22	1.0	0.22	0.26	0.24	0.04	0.23	0.04	0.13	0.02	0.17	0.03	0.08	<0.02	<0.1	45.3	0.2	86	248.8			<0.5
3217326	Rock	0.11	0.7	0.07	0.14	0.14	0.01	0.11	0.03	0.08	0.01	0.08	0.01	0.17	<0.02	<0.1	45.8	0.2	84	259.0			<0.5
3217327	Rock	0.09	0.5	0.10	0.13	0.15	0.02	0.12	0.02	0.06	<0.01	0.06	0.01	0.05	<0.02	<0.1	16.4	<0.1	90	280.1			<0.5
3217328	Rock	0.10	0.6	0.08	0.11	0.13	0.01	0.14	0.02	0.07	<0.01	0.07	<0.01	0.09	<0.02	<0.1	56.0	0.2	114	287.2			<0.5

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

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Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Cd	Sb	Bi	Ag	Au	Hg	Tl	Se										
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm										
MDL	0.1	0.1	0.1	0.1	0.5	0.01	0.1	0.5										
3217281 DUP of 3217280 Reject	Rock	DUP	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217282	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.8	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217301	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217302	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.7	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217303	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217304	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217305	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.6	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217306	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217307	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217308	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217309	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217310	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217311	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217312	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217313	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217314	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217315	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217316	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217317	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217318	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217319	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217320	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217321	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.7	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217322	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.7	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217323	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217324	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217325 DUP of 3217324 Reject	Rock	DUP	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217326	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217327	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			
3217328	Rock		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.5	<0.1	<0.5			

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

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CERTIFICATE OF ANALYSIS

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Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	Wght	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P																					
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%																					
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.001																					
Rock	3217329	6.17	0.6	75.3	<0.1	351	<0.1	354.2	211.3	2472	44.31	3	<0.1	0.2	28	<0.1	<0.1	2546	0.21	0.004																					
Rock	3217330	5.09	0.7	63.5	0.1	370	<0.1	346.1	211.6	2439	43.84	2	<0.1	0.1	48	<0.1	<0.1	2593	0.37	0.004																					
Rock	3217331	7.40	0.6	48.7	0.2	377	<0.1	339.0	212.5	2456	45.31	1	<0.1	0.1	44	<0.1	<0.1	2651	0.32	0.005																					
Rock	3217332	3.07	0.6	49.2	0.1	367	<0.1	332.1	210.6	2402	45.23	3	<0.1	<0.1	41	<0.1	<0.1	2661	0.29	0.005																					
Rock	3217333	1.54	<0.1	6.3	0.7	48	<0.1	62.6	33.9	492	5.51	2	<0.1	0.1	695	<0.1	<0.1	160	5.83	0.010																					
Rock	3217334	1.75	0.2	9.7	0.8	67	<0.1	45.2	28.0	355	6.63	1	<0.1	0.1	744	<0.1	<0.1	402	5.89	0.015																					
Rock	3217335	1.62	<0.1	9.6	0.7	51	<0.1	68.3	37.3	561	6.29	2	<0.1	<0.1	649	<0.1	<0.1	173	5.44	0.009																					
Rock	3217336	1.64	0.6	25.4	0.7	184	<0.1	130.8	80.6	1016	20.25	2	<0.1	<0.1	540	<0.1	<0.1	1356	4.25	0.009																					
Rock	3217337	1.82	0.3	8.1	1.4	73	<0.1	49.1	31.4	409	7.08	3	<0.1	0.1	740	<0.1	<0.1	442	6.11	0.021																					
Rock	3217338	1.08	0.1	6.7	0.7	41	<0.1	55.9	28.5	412	4.82	2	<0.1	<0.1	741	<0.1	<0.1	172	6.10	0.010																					
Rock	3217339	1.85	0.2	6.9	0.8	56	<0.1	49.5	28.9	341	5.98	2	<0.1	<0.1	730	<0.1	<0.1	349	6.06	0.012																					
Rock	3217340	1.55	0.2	4.9	0.7	55	<0.1	39.1	23.3	328	5.71	2	<0.1	<0.1	743	<0.1	<0.1	340	6.01	0.012																					
Rock	3217341	1.34	<0.1	2.8	0.8	66	<0.1	85.6	52.3	769	7.22	1	<0.1	<0.1	620	<0.1	<0.1	148	5.20	0.011																					
Rock	3217342	1.02	0.1	11.6	0.7	66	<0.1	85.4	47.1	705	7.81	2	<0.1	<0.1	627	<0.1	<0.1	254	5.39	0.016																					
Rock	3217343	2.18	0.2	7.1	0.6	50	<0.1	81.5	35.3	493	5.67	2	<0.1	<0.1	708	<0.1	<0.1	209	6.13	0.009																					
Rock	3217344	1.82	<0.1	8.5	2.3	23	<0.1	19.2	15.7	256	2.94	2	0.2	0.2	742	<0.1	<0.1	106	6.42	0.012																					
Rock	3217345	1.48	0.4	12.0	2.0	27	<0.1	14.9	13.7	204	2.83	2	<0.1	<0.1	731	<0.1	<0.1	129	6.33	0.011																					
Rock	3217346	1.44	0.3	12.4	9.1	42	<0.1	29.0	19.6	391	4.25	2	0.3	0.1	726	<0.1	<0.1	172	5.90	0.030																					
Rock	3217347	1.99	0.1	5.8	1.1	52	<0.1	26.0	22.8	348	5.08	1	<0.1	<0.1	715	<0.1	<0.1	260	6.07	0.008																					
Rock	3217348	1.40	0.1	6.0	1.6	17	<0.1	8.8	8.0	241	1.81	2	0.1	0.1	736	<0.1	<0.1	55	6.92	0.046																					
Rock	3217349	1.88	0.2	10.5	16.2	54	<0.1	38.3	26.6	421	4.73	2	10.0	7.9	510	<0.1	<0.1	153	4.17	0.007																					
Rock	3217350	2.08	<0.1	15.5	0.8	64	<0.1	54.2	38.1	517	6.96	2	<0.1	<0.1	643	<0.1	<0.1	250	5.49	0.010																					

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www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Longford Exploration Services Ltd.**
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

Project: Dab
Report Date: September 11, 2019

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CERTIFICATE OF ANALYSIS

TIM19001719.1

Method Analyte Unit	MA200		MA200		MA200		MA200		MA200		MA200		MA200		MA200		MA200		MA200		MA200		MA200	
	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	Al %	Na %	0.001	0.01	0.001	0.01	K %	W ppm	Zr ppm	Ce ppm	Sn ppm	Y ppm	Nb ppm	Ta ppm	Be ppm	Sc ppm	Li ppm	S %	Rb ppm
Rock	0.3	382	3.03	16	5.769	2.48	0.071	0.02	<0.1	35.8	<1	7.3	0.4	4.4	4.4	0.4	4.4	0.4	<1	<1	3	1.7	<0.1	0.4
Rock	0.4	388	2.74	16	6.175	2.92	0.152	0.03	<0.1	41.0	<1	5.2	0.7	5.0	0.4	<1	<1	<1	<1	<1	4	1.6	<0.1	0.4
Rock	0.4	400	2.16	14	6.047	2.97	0.122	0.03	<0.1	44.0	<1	3.0	0.5	5.3	0.4	<1	<1	<1	<1	<1	3	1.6	<0.1	0.5
Rock	0.4	402	1.97	15	5.876	2.93	0.118	0.03	<0.1	43.6	<1	3.1	0.5	5.3	0.4	<1	<1	<1	<1	<1	3	1.6	<0.1	0.5
Rock	1.6	28	2.06	128	0.699	10.19	3.029	0.32	<0.1	2.9	3	0.2	0.7	0.7	<0.1	<1	<1	<1	<1	<1	1	1.9	<0.1	0.6
Rock	2.8	75	0.45	138	1.813	11.35	3.327	0.24	0.4	5.0	6	0.4	1.3	1.3	<0.1	<1	<1	<1	<1	<1	1	3.1	<0.1	1.5
Rock	1.7	36	2.37	135	0.740	9.65	2.889	0.34	<0.1	3.9	4	0.1	0.8	0.6	<0.1	<1	<1	<1	<1	<1	2	1.3	<0.1	0.5
Rock	1.8	330	0.86	107	4.965	9.77	2.267	0.26	0.1	12.4	4	1.3	1.2	4.2	0.3	<1	<1	<1	<1	<1	<1	2.0	<0.1	1.8
Rock	3.1	93	0.43	152	1.817	11.46	3.207	0.40	<0.1	6.6	7	1.1	2.0	1.7	0.1	<1	<1	<1	<1	<1	1	1.9	<0.1	3.0
Rock	1.6	21	1.56	135	0.692	10.18	3.183	0.36	0.1	3.2	4	0.3	1.1	0.7	<0.1	<1	<1	<1	<1	<1	2	2.2	<0.1	0.9
Rock	2.7	45	0.48	148	1.460	11.47	3.273	0.35	<0.1	4.5	6	0.3	1.8	1.2	<0.1	<1	<1	<1	<1	<1	2	2.4	<0.1	1.8
Rock	2.2	46	0.44	151	1.329	10.79	3.280	0.37	<0.1	5.4	5	0.2	1.2	1.1	<0.1	<1	<1	<1	<1	<1	2	3.6	<0.1	1.4
Rock	2.1	24	3.32	130	0.639	9.93	2.697	0.31	<0.1	3.4	4	0.2	0.8	0.6	<0.1	<1	<1	<1	<1	<1	2	2.3	<0.1	0.8
Rock	2.1	34	2.56	135	1.057	9.78	2.883	0.34	<0.1	5.8	5	0.2	0.9	0.8	<0.1	<1	<1	<1	<1	<1	2	2.1	<0.1	1.5
Rock	1.7	126	1.94	121	0.777	10.47	2.977	0.31	0.1	4.3	4	0.2	0.7	0.5	<0.1	<1	<1	<1	<1	<1	2	1.6	<0.1	0.9
Rock	1.9	25	0.57	155	0.699	10.71	3.576	0.30	0.3	1.4	4	0.3	1.8	1.3	0.1	<1	<1	<1	<1	<1	2	4.3	<0.1	1.6
Rock	1.7	24	0.29	200	0.756	10.22	3.617	0.38	0.4	1.1	4	0.1	1.1	0.8	<0.1	<1	<1	<1	<1	<1	1	12.1	<0.1	3.2
Rock	2.8	30	0.66	147	1.179	10.96	3.633	0.62	0.5	9.4	7	0.7	4.1	4.0	0.2	<1	<1	<1	<1	<1	4	11.0	<0.1	15.7
Rock	2.0	44	0.44	182	1.260	10.93	3.345	0.62	0.1	0.7	4	0.2	0.7	0.7	<0.1	<1	<1	<1	<1	<1	1	12.3	<0.1	14.6
Rock	2.7	8	0.48	173	0.399	10.20	3.529	0.45	0.2	4.1	7	0.2	6.1	1.4	<0.1	<1	<1	<1	<1	<1	7	6.4	<0.1	2.2
Rock	3.2	24	1.25	119	0.734	9.10	3.091	1.40	0.6	30.0	7	2.0	37.8	42.9	1.9	4	2	2	2	4	2	5.2	<0.1	97.9
Rock	2.1	36	1.83	152	1.248	9.87	2.971	0.36	<0.1	3.2	4	0.1	0.8	0.9	<0.1	<1	<1	<1	<1	<1	2	12.2	<0.1	1.0

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MINERAL LABORATORIES
Canada

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

www.bureauveritas.com/um

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

Project: Dab
Report Date: September 11, 2019

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CERTIFICATE OF ANALYSIS

TIM19001719.1

Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	LOI	Sum	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
Unit	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	-5.1	0.01	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
Rock	3217329	99.30	<1	250.7	<0.1	51.7	1.2	4.0	0.4	6	26.9	0.3	<0.2	<0.1	2668	<0.5	37.0	0.4	0.5	0.7
Rock	3217330	99.30	<1	239.8	<0.1	52.4	1.3	4.9	0.4	4	45.9	0.5	<0.2	<0.1	2677	<0.5	41.0	0.6	0.7	0.5
Rock	3217331	99.30	<1	248.8	<0.1	55.1	1.5	5.1	0.4	2	41.9	0.4	<0.2	<0.1	2781	<0.5	43.7	0.5	0.8	0.9
Rock	3217332	99.30	<1	242.1	<0.1	56.0	1.3	5.0	0.4	2	38.7	0.4	<0.2	<0.1	2847	<0.5	44.2	0.6	0.8	0.8
Rock	3217333	99.81	<1	39.7	<0.1	18.6	0.1	0.4	1.6	<1	707.0	<0.1	<0.2	<0.1	169	<0.5	5.6	0.7	2.4	4.0
Rock	3217334	99.81	<1	35.4	<0.1	24.5	0.3	1.4	1.5	<1	752.2	<0.1	<0.2	<0.1	414	0.5	13.2	1.0	2.6	4.0
Rock	3217335	99.79	<1	50.4	<0.1	18.6	0.1	0.5	1.6	<1	691.8	<0.1	<0.2	<0.1	181	<0.5	5.3	0.8	2.4	4.2
Rock	3217336	99.62	<1	87.8	<0.1	35.9	0.8	3.8	1.5	1	508.6	0.2	<0.2	<0.1	1352	<0.5	31.8	1.1	2.0	3.4
Rock	3217337	99.79	<1	36.3	<0.1	26.2	0.4	1.7	3.3	1	729.4	<0.1	<0.2	<0.1	436	<0.5	16.3	1.7	3.1	6.0
Rock	3217338	99.84	<1	34.8	<0.1	19.2	0.2	0.6	2.1	<1	718.9	<0.1	<0.2	<0.1	176	<0.5	6.5	1.3	2.4	4.1
Rock	3217339	99.80	<1	33.5	<0.1	23.4	0.3	1.2	2.1	<1	754.3	<0.1	<0.2	<0.1	353	<0.5	12.9	1.6	2.6	5.1
Rock	3217340	99.80	<1	29.7	<0.1	23.1	0.3	1.1	2.1	<1	755.2	<0.1	<0.2	<0.1	347	<0.5	10.8	1.2	2.5	4.8
Rock	3217341	99.84	<1	59.2	<0.1	17.5	0.1	0.5	1.9	<1	649.4	<0.1	<0.2	<0.1	156	<0.5	4.1	0.8	2.4	3.8
Rock	3217342	99.82	<1	54.9	<0.1	20.6	0.2	0.8	2.7	<1	657.5	<0.1	<0.2	<0.1	276	<0.5	7.2	0.9	2.4	4.4
Rock	3217343	99.83	<1	41.7	<0.1	19.5	0.1	0.7	1.8	<1	744.9	<0.1	<0.2	<0.1	216	<0.5	4.8	0.6	2.7	3.5
Rock	3217344	99.85	<1	16.5	0.2	20.6	0.2	1.5	4.2	<1	782.2	0.1	0.2	0.1	110	<0.5	8.5	2.0	2.5	4.8
Rock	3217345	99.84	<1	15.8	0.4	20.3	0.2	0.9	8.3	<1	784.8	<0.1	<0.2	<0.1	129	<0.5	8.1	1.0	3.0	5.1
Rock	3217346	99.83	1	21.8	0.6	22.2	0.5	4.0	21.1	<1	754.9	0.1	<0.2	0.2	166	<0.5	14.7	3.7	3.8	6.6
Rock	3217347	99.82	<1	27.8	0.9	22.7	0.2	0.7	22.3	<1	767.9	<0.1	<0.2	<0.1	275	<0.5	6.8	0.9	3.0	5.0
Rock	3217348	99.85	<1	8.4	0.3	18.7	0.7	1.4	6.0	<1	765.9	<0.1	<0.2	0.1	57	<0.5	24.7	6.8	4.5	9.7
Rock	3217349	99.84	7	29.6	1.2	24.5	1.7	46.7	94.7	2	512.5	2.3	7.3	9.1	152	0.8	31.4	34.9	3.0	6.3
Rock	3217350	99.81	<1	46.1	<0.1	21.5	0.2	1.0	1.9	<1	685.1	<0.1	<0.2	<0.1	266	<0.5	7.5	0.8	2.6	4.1



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

Project: Dab
Report Date: September 11, 2019

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CERTIFICATE OF ANALYSIS

TIM19001719.1

Method Analyte Unit	AQ200		AQ200		AQ200		AQ200		AQ200		AQ200		AQ200		AQ200	
	Cd ppm	Sb ppm	Bi ppm	Ag ppm	Au ppm	Hg ppm	Tl ppm	Se ppm	TI ppm	TI ppm	TI ppm	TI ppm	TI ppm	TI ppm	TI ppm	TI ppm
3217329	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217330	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217331	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217332	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217333	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217334	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217335	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217336	Rock	<0.1	<0.1	<0.1	<0.1	1.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217337	Rock	<0.1	<0.1	<0.1	<0.1	0.7	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217338	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217339	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217340	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217341	Rock	<0.1	<0.1	<0.1	<0.1	1.4	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217342	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217343	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217344	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217345	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217346	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217347	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217348	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217349	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5
3217350	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

Project: Dab
Report Date: September 11, 2019

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QUALITY CONTROL REPORT

TIM19001719.1

Method	Wght	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P		
Analyte	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%		
Unit																						
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.001		
3217263	Rock	2.56	0.7	15.6	<0.1	353	<0.1	329.7	225.4	2762	42.62	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2711	0.01	0.003
3217317	Rock	1.76	0.9	27.4	6.4	125	<0.1	82.7	51.8	930	8.97	2	0.6	2.6	488	0.1	<0.1	<0.1	<0.1	336	4.89	0.133
3217349	Rock	1.88	0.2	10.5	16.2	54	<0.1	38.3	26.6	421	4.73	2	10.0	7.9	510	<0.1	<0.1	<0.1	<0.1	153	4.17	0.007
Pulp Duplicates																						
3217256	Rock	1.32	0.2	3.1	2.2	26	<0.1	32.2	24.0	310	4.38	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	260	6.04	0.008
REP 3217256	QC																					
3217258	Rock	1.42	0.1	12.5	2.8	37	<0.1	42.8	33.4	446	4.17	1	<0.1	<0.1	<0.1	0.4	0.3	0.3	91	6.22	0.013	
REP 3217258	QC																					
3217261	Rock	1.70	0.8	19.0	0.1	374	<0.1	340.4	227.8	2866	42.18	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2624	0.10	0.005	
REP 3217261	QC																					
3217280	Rock	2.90	0.5	11.5	8.8	111	<0.1	54.2	41.1	861	5.60	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	161	5.29	0.013	
REP 3217280	QC																					
3217307	Rock	1.78	<0.1	13.6	1.8	26	<0.1	22.2	14.4	212	2.23	2	<0.1	0.1	757	<0.1	<0.1	<0.1	88	6.50	0.023	
REP 3217307	QC																					
3217310	Rock	2.95	0.3	9.7	2.9	80	<0.1	57.7	43.1	541	8.14	2	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	471	5.39	0.012	
REP 3217310	QC																					
3217313	Rock	1.05	0.1	4.0	1.2	27	<0.1	22.2	15.1	191	2.82	1	<0.1	0.1	737	<0.1	<0.1	<0.1	150	6.09	0.010	
REP 3217313	QC																					
3217331	Rock	7.40	0.6	48.7	0.2	377	<0.1	339.0	212.5	2456	45.31	1	<0.1	0.1	44	<0.1	<0.1	<0.1	2651	0.32	0.005	
REP 3217331	QC																					
3217341	Rock	1.34	<0.1	2.8	0.8	66	<0.1	85.6	52.3	769	7.22	1	<0.1	<0.1	620	<0.1	<0.1	<0.1	148	5.20	0.011	
REP 3217341	QC																					
3217342	Rock	1.02	0.1	11.6	0.7	66	<0.1	85.4	47.1	705	7.81	2	<0.1	<0.1	627	<0.1	<0.1	<0.1	254	5.39	0.016	
REP 3217342	QC																					
3217345	Rock	1.48	0.4	12.0	2.0	27	<0.1	14.9	13.7	204	2.83	2	<0.1	<0.1	731	<0.1	<0.1	<0.1	129	6.33	0.011	
REP 3217345	QC																					
Core Reject Duplicates																						
3217252	Rock	2.47	0.2	34.9	1.0	56	<0.1	53.0	32.1	421	6.37	1	<0.1	<0.1	758	<0.1	<0.1	<0.1	373	6.18	0.011	
DUP 3217252	QC																					



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www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

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Method Analyte Unit	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
MDL	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	Al %	Na %	K %	W ppm	Zr ppm	Ce ppm	Sn ppm	Y ppm	Nb ppm	Ta ppm	Be ppm	Sc ppm	Li ppm	S ppm	Rb ppm	
3217263	Rock	0.1	407	2.13	4	6.637	2.60	0.008	<0.1	49.4	<1	1.9	0.2	5.6	0.4	<1	2	0.9	<0.1	0.3	
3217317	Rock	19.2	73	2.82	493	1.956	8.01	2.270	1.06	68.8	44	1.3	21.3	8.7	0.5	1	16	7.2	<0.1	26.9	
3217349	Rock	3.2	24	1.25	119	0.734	9.10	3.091	1.40	30.0	7	2.0	37.8	42.9	1.9	4	2	5.2	<0.1	97.9	
Pulp Duplicates																					
3217256	Rock	1.8	56	0.37	130	1.091	12.18	3.340	0.22	1.0	3	0.2	0.6	0.7	<0.1	<1	<1	6.4	<0.1	0.7	
REP 3217256	QC																				
3217258	Rock	2.1	7	1.78	153	0.440	11.55	3.124	0.35	2.5	5	0.3	2.3	0.7	<0.1	<1	3	11.8	<0.1	1.7	
REP 3217258	QC																				
3217261	Rock	0.3	400	2.21	7	6.140	2.69	0.036	0.01	48.6	<1	1.8	0.6	5.3	0.4	<1	5	1.5	<0.1	0.3	
REP 3217261	QC																				
3217280	Rock	1.5	21	1.93	106	0.658	10.18	2.955	0.45	3.5	3	0.4	0.5	0.5	<0.1	<1	1	16.0	<0.1	3.6	
REP 3217280	QC																				
3217307	Rock	1.6	20	0.30	190	0.512	10.23	3.654	0.30	1.2	4	<0.1	1.6	0.9	<0.1	<1	1	5.5	<0.1	0.8	
REP 3217307	QC																				
3217310	Rock	2.1	128	0.97	139	2.233	11.43	3.244	0.47	5.8	4	0.4	2.6	2.9	0.3	<1	2	8.9	<0.1	5.8	
REP 3217310	QC																				
3217313	Rock	1.7	39	0.15	187	0.646	10.37	3.610	0.37	1.0	4	<0.1	0.5	1.3	<0.1	<1	<1	2.7	<0.1	1.0	
REP 3217313	QC																				
3217331	Rock	0.4	400	2.16	14	6.047	2.97	0.122	0.03	44.0	<1	3.0	0.5	5.3	0.4	<1	3	1.6	<0.1	0.5	
REP 3217331	QC																				
3217341	Rock	2.1	24	3.32	130	0.639	9.93	2.697	0.31	3.4	4	0.2	0.8	0.6	<0.1	<1	2	2.3	<0.1	0.8	
REP 3217341	QC																				
3217342	Rock	2.1	34	2.56	135	1.057	9.78	2.883	0.34	5.8	5	0.2	0.9	0.8	<0.1	<1	2	2.1	<0.1	1.5	
REP 3217342	QC																				
3217345	Rock	1.7	24	0.29	200	0.756	10.22	3.617	0.38	1.1	4	0.1	1.1	0.8	<0.1	<1	1	12.1	<0.1	3.2	
REP 3217345	QC																				
Core Reject Duplicates																					
3217252	Rock	2.1	63	0.64	161	1.613	12.27	3.115	0.37	6.8	5	0.4	2.3	1.4	0.1	<1	4	2.2	<0.1	1.3	
DUP 3217252	QC																				
1.9	56	0.61	147	1.517	11.78	3.105	0.32	<0.1	6.1	4	0.4	2.0	1.3	<0.1	<1	3	2.2	<0.1	1.0		

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
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Method	MA200	MA200	MA200	MA200	MA200	MA200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200				
Analyte	Hf	In	Re	Se	Te	Ti	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sc	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%			
Unit	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%			
MDL	0.1	0.05	0.005	1	0.5	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1	20	1	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%			
Rock	1.5	0.16	<0.005	<1	<0.5	<0.5	2.69	6.88	69.30	4.43	0.03	0.01	<0.01	>10	<0.01	0.34	0.070	3	346	13																			
Rock	1.6	0.08	0.006	<1	0.7	<0.5	47.67	15.64	14.32	5.14	7.43	2.99	1.33	3.26	0.30	0.12	0.014	518	82	19																			
Rock	1.8	<0.05	<0.005	<1	<0.5	0.6	55.19	20.30	6.98	2.32	6.26	4.24	1.84	1.26	0.03	0.06	0.005	127	33	3																			
Pulp Duplicates																																							
Rock	<0.1	<0.05	<0.005	<1	<0.5	<0.5	49.20	25.76	6.99	0.73	9.30	4.80	0.29	1.92	0.01	0.04	0.011	135	32	2																			
QC	REP 3217256																																						
Rock	0.1	<0.05	<0.005	<1	0.7	<0.5	50.25	23.55	6.48	3.40	9.31	4.38	0.47	0.75	0.01	0.06	<0.002	157	42	3																			
QC	REP 3217258																																						
Rock	1.4	0.15	<0.005	<1	<0.5	<0.5	2.50	6.81	68.62	4.61	0.16	0.05	0.01	>10	<0.01	0.35	0.068	6	345	16																			
QC	REP 3217261						2.44	6.80	68.79	4.65	0.15	0.05	<0.01	>10	<0.01	0.35	0.069	6	350	16																			
Rock	<0.1	<0.05	<0.005	<1	0.5	<0.5	47.40	23.01	9.02	3.76	8.12	3.80	0.65	1.45	0.01	0.11	0.004	114	56	2																			
QC	REP 3217280																																						
Rock	<0.1	<0.05	<0.005	<1	<0.5	<0.5	52.34	26.27	3.59	0.62	9.89	4.89	0.42	0.91	0.06	0.03	0.004	202	22	2																			
QC	REP 3217307																																						
Rock	0.2	<0.05	<0.005	<1	<0.5	<0.5	44.96	22.92	12.64	1.72	8.18	4.15	0.60	3.60	0.02	0.07	0.022	142	56	4																			
QC	REP 3217310																																						
Rock	<0.1	<0.05	<0.005	<1	<0.5	<0.5	51.27	26.56	4.61	0.36	9.41	4.89	0.53	1.18	0.02	0.03	0.008	220	<20	<1																			
QC	REP 3217313						51.36	26.44	4.68	0.36	9.37	4.89	0.53	1.19	0.02	0.03	0.008	215	<20	1																			
Rock	1.3	0.09	<0.005	1	<0.5	<0.5	3.84	8.46	64.80	4.48	0.48	0.17	0.04	>10	<0.01	0.33	0.071	15	355	16																			
QC	REP 3217331																																						
Rock	0.1	<0.05	<0.005	<1	0.6	<0.5	47.67	21.04	11.27	6.43	7.69	3.66	0.39	1.10	0.04	0.11	0.004	139	88	4																			
QC	REP 3217341																																						
Rock	0.2	<0.05	<0.005	<1	<0.5	<0.5	46.11	21.96	12.15	4.85	8.10	3.84	0.42	1.80	0.05	0.10	0.007	144	87	5																			
QC	REP 3217342																																						
Rock	<0.1	<0.05	<0.005	<1	<0.5	<0.5	51.49	26.07	4.55	0.57	9.38	4.93	0.54	1.35	0.04	0.03	0.004	219	<20	3																			
QC	REP 3217345						51.47	26.01	4.58	0.57	9.43	4.94	0.54	1.35	0.04	0.03	0.006	222	<20	3																			
Core Reject Duplicates																																							
Rock	0.3	<0.05	<0.005	<1	<0.5	<0.5	46.67	24.50	10.18	1.20	9.21	4.29	0.44	2.63	<0.01	0.05	0.013	158	55	5																			
QC	DUP 3217252						1.16	9.24	4.36	0.44	2.57	<0.01	0.05	0.012	163	55	5																						

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Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200		
Analyte	LOI	Sum	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	
Unit	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	-5.1	0.01	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	
Rock	3217263	-3.0	99.28	<1	235.3	<0.1	57.1	1.6	6.1	0.2	1	2.4	0.5	<0.1	3016	<0.5	53.4	0.2	1.3	0.3	
Rock	3217317	1.4	99.72	3	51.3	0.4	23.9	5.0	8.9	27.3	1	505.7	0.5	2.1	0.6	353	<0.5	202.0	23.5	20.6	45.0
Rock	3217349	1.3	99.84	7	29.6	1.2	24.5	1.7	46.7	94.7	2	512.5	2.3	7.3	9.1	152	0.8	31.4	34.9	3.0	6.3
Pulp Duplicates																					
Rock	3217256	0.8	99.86	<1	23.4	<0.1	21.4	0.1	0.8	1.5	<1	759.1	<0.1	<0.2	<0.1	283	0.7	5.6	0.7	2.5	4.3
QC	REP 3217256																				
Rock	3217258	1.2	99.84	<1	30.0	3.4	18.3	0.4	0.8	3.8	<1	694.9	<0.1	<0.2	<0.1	98	0.6	10.3	3.1	3.1	6.2
QC	REP 3217258																				
Rock	3217261	-3.4	99.28	<1	245.4	<0.1	57.6	1.7	6.0	0.3	1	11.7	0.5	<0.2	<0.1	2958	<0.5	56.1	0.7	1.1	0.7
QC	REP 3217261	-3.4	99.28	<1	240.3	<0.1	57.1	1.7	6.1	0.3	1	12.0	0.4	<0.2	<0.1	2973	<0.5	55.6	0.8	0.8	0.8
Rock	3217280	2.5	99.82	<1	39.3	0.2	20.0	0.1	0.6	16.5	<1	627.4	<0.1	<0.2	<0.1	172	<0.5	6.6	0.7	3.0	4.7
QC	REP 3217280																				
Rock	3217307	0.8	99.87	<1	12.9	<0.1	19.4	0.3	0.9	2.3	<1	828.8	<0.1	<0.2	<0.1	95	<0.5	11.2	2.7	3.7	6.0
QC	REP 3217307																				
Rock	3217310	0.9	99.78	<1	41.4	0.5	24.5	0.6	2.9	9.8	<1	709.1	0.4	<0.2	<0.1	486	0.8	17.7	3.3	2.9	5.7
QC	REP 3217310																				
Rock	3217313	1.0	99.87	<1	14.3	<0.1	21.3	0.2	1.5	2.7	<1	838.3	0.1	<0.2	<0.1	161	<0.5	5.7	0.7	4.0	6.6
QC	REP 3217313	1.0	99.86	3	14.6	<0.1	20.6	0.2	1.0	2.7	<1	842.7	<0.1	<0.2	<0.1	162	<0.5	5.7	0.8	3.7	6.9
Rock	3217331	-2.9	99.30	<1	248.8	<0.1	55.1	1.5	5.1	0.4	2	41.9	0.4	<0.2	<0.1	2781	<0.5	43.7	0.5	0.8	0.9
QC	REP 3217331																				
Rock	3217341	0.4	99.84	<1	59.2	<0.1	17.5	0.1	0.5	1.9	<1	649.4	<0.1	<0.2	<0.1	156	<0.5	4.1	0.8	2.4	3.8
QC	REP 3217341																				
Rock	3217342	0.4	99.82	<1	54.9	<0.1	20.6	0.2	0.8	2.7	<1	657.5	<0.1	<0.2	<0.1	276	<0.5	7.2	0.9	2.4	4.4
QC	REP 3217342																				
Rock	3217345	0.9	99.84	<1	15.8	0.4	20.3	0.2	0.9	8.3	<1	784.8	<0.1	<0.2	<0.1	129	<0.5	8.1	1.0	3.0	5.1
QC	REP 3217345	0.9	99.84	<1	15.8	0.4	21.2	0.2	0.9	8.3	<1	793.5	<0.1	<0.2	<0.1	132	<0.5	8.7	1.3	2.8	4.7
Core Reject Duplicates																					
Rock	3217252	0.6	99.82	<1	29.4	<0.1	23.2	0.4	1.2	1.9	<1	694.8	<0.1	<0.2	<0.1	404	<0.5	13.5	2.2	2.8	4.6
QC	DUP 3217252	0.6	99.81	<1	31.2	<0.1	23.4	0.5	1.1	1.9	<1	693.6	<0.1	<0.2	<0.1	398	<0.5	13.1	2.4	2.9	5.1



QUALITY CONTROL REPORT

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Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	TC000	AQ200	AQ200	AQ200	AQ200	AQ200		
Analyte	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	%	TOT/S	Mo	Cu	Pb	Zn	Ni	As	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.1	0.1	0.1	0.1	1	1	0.1	0.5
Rock	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	0.15	<0.02	0.4	7.0	<0.1	<0.1	39	228.7	<0.5	<0.5
Rock	6.25	28.1	5.80	1.98	5.93	0.83	4.71	0.91	2.48	0.33	2.07	0.30	0.10	0.08	0.9	25.8	1.6	62	69.9	<0.5	<0.5	<0.5
Rock	0.84	3.7	1.82	0.79	3.57	0.82	5.72	1.25	3.77	0.52	3.15	0.47	0.13	0.03	0.2	11.3	3.7	48	411.6	<0.5	<0.5	<0.5
Pulp Duplicates																						
Rock	0.49	2.0	0.26	0.87	0.26	0.03	0.15	0.02	0.04	<0.01	<0.05	<0.01	0.11	<0.02	<0.1	2.7	0.6	10	29.5	<0.5	<0.5	<0.5
QC	REP 3217256												0.11	<0.02								
Rock	0.78	3.8	0.70	1.00	0.65	0.10	0.56	0.10	0.26	0.03	0.22	0.03	0.14	0.03	<0.1	12.7	1.0	19	28.5	0.5	0.5	0.5
QC	REP 3217258												<0.1	<0.02								
Rock	0.07	0.5	<0.05	0.03	0.11	0.01	0.09	0.02	0.06	0.01	0.08	0.02	0.10	<0.02	<0.1	6.0	0.1	141	289.7	<0.5	<0.5	<0.5
QC	REP 3217261												0.08	0.01								
Rock	0.52	2.2	0.24	0.99	0.23	0.02	0.13	0.02	0.06	<0.01	<0.05	<0.01	0.09	<0.02	0.6	10.2	1.9	88	42.8	<0.5	<0.5	<0.5
QC	REP 3217280												<0.02	<0.02								
Rock	0.87	3.8	0.59	1.21	0.70	0.09	0.50	0.10	0.25	0.03	0.23	0.03	0.07	0.04	<0.1	14.3	0.9	20	20.2	<0.5	<0.5	<0.5
QC	REP 3217307												0.07	0.04								
Rock	0.68	2.6	0.51	0.89	0.66	0.08	0.52	0.11	0.29	0.04	0.29	0.04	0.11	<0.02	0.2	6.7	0.9	24	50.1	0.8	0.8	0.8
QC	REP 3217310												<0.02	<0.02								
Rock	0.77	3.1	0.40	1.30	0.34	0.03	0.18	0.03	0.05	<0.01	0.06	<0.01	0.08	<0.02	<0.1	2.9	0.3	9	18.7	<0.5	<0.5	<0.5
QC	REP 3217313												0.06	0.01								
Rock	0.07	0.5	0.10	0.07	0.10	0.01	0.07	0.02	0.07	<0.01	0.07	0.01	0.05	<0.02	<0.1	15.2	0.1	111	293.0	<0.5	<0.5	<0.5
QC	REP 3217331												<0.02	<0.02								
Rock	0.48	2.0	0.25	0.72	0.22	0.03	0.16	0.03	0.07	0.01	0.07	0.01	0.17	<0.02	<0.1	1.7	0.3	8	68.5	<0.5	<0.5	<0.5
QC	REP 3217341												0.1	0.3								
Rock	0.51	2.1	0.35	0.80	0.21	0.03	0.19	0.03	0.09	<0.01	0.08	0.01	0.13	<0.02	0.1	12.0	0.2	8	74.4	<0.5	<0.5	<0.5
QC	REP 3217342												0.13	<0.02								
Rock	0.63	2.6	0.43	1.06	0.35	0.05	0.21	0.04	0.13	0.01	0.11	<0.01	0.08	0.04	0.6	14.6	0.8	24	18.6	<0.5	<0.5	<0.5
QC	REP 3217345												0.09	0.01								
Core Reject Duplicates																						
Rock	0.65	2.9	0.58	0.95	0.61	0.08	0.48	0.09	0.24	0.03	0.21	0.02	0.09	<0.02	0.1	31.7	0.4	8	36.7	<0.5	<0.5	<0.5
QC	DUP 3217252												0.09	<0.02	<0.1	30.1	0.3	9	37.2	<0.5	<0.5	<0.5



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

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Report Date: September 11, 2019

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Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Cd	Sb	Bi	Ag	Au	Hg	Tl	Se				
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm				
MDL	0.1	0.1	0.1	0.1	0.5	0.01	0.1	0.5				
Rock	<0.1	<0.1	<0.1	<0.1	0.7	<0.01	<0.1	<0.5				
Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	0.2	<0.5				
Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	0.5	<0.5				
Pulp Duplicates												
Rock	<0.1	<0.1	<0.1	<0.1	1.0	<0.01	<0.1	<0.5				
QC												
Rock	<0.1	0.1	0.2	<0.1	<0.5	<0.01	<0.1	<0.5				
QC	<0.1	0.1	0.2	<0.1	<0.5	<0.01	<0.1	<0.5				
Rock	<0.1	<0.1	<0.1	<0.1	0.8	<0.01	<0.1	<0.5				
QC												
Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5				
QC												
Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5				
QC												
Rock	<0.1	<0.1	<0.1	<0.1	1.4	<0.01	<0.1	<0.5				
QC	<0.1	<0.1	<0.1	<0.1	0.6	<0.01	<0.1	<0.5				
Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5				
QC												
Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5				
QC												
Core Reject Duplicates												
Rock	<0.1	<0.1	<0.1	<0.1	0.8	<0.01	<0.1	<0.5				
QC	<0.1	<0.1	<0.1	<0.1	0.7	<0.01	<0.1	<0.5				

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QUALITY CONTROL REPORT

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	WGHT	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200							
	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm					
	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1					
3217304	1.08	0.2	7.8	1.4	35	35	<0.1	19.1	263	3.55	2	<0.1	0.2	718	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	191	6.13	0.224																	
DUP 3217304	QC	0.2	8.1	1.5	33	33	<0.1	18.1	263	3.50	2	<0.1	0.2	718	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	185	6.02	0.202																		
3217338	1.08	0.1	6.7	0.7	41	41	<0.1	28.5	412	4.82	2	<0.1	<0.1	741	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	172	6.10	0.010																		
DUP 3217338	QC	0.2	6.8	0.7	39	39	<0.1	27.4	410	4.77	2	<0.1	<0.1	738	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	165	6.00	0.010																		
Reference Materials																																										
STD BVGEO01	Standard																																									
STD DS11	Standard																																									
STD DS11	Standard																																									
STD GBM309-15	Standard																																									
STD GS311-1	Standard																																									
STD GS311-1	Standard																																									
STD GS311-1	Standard																																									
STD GS311-1	Standard																																									
STD GS910-4	Standard																																									
STD GS910-4	Standard																																									
STD GS910-4	Standard																																									
STD GS910-4	Standard																																									
STD OREAS262	Standard																																									
STD OREAS25A-4A	Standard	2.3	35.8	24.2	42	42	<0.1	46.6	8.2	488	9	2.8	15.7	50	<0.1	0.6	0.3	152	0.29	0.049																						
STD OREAS25A-4A	Standard	2.4	34.5	23.9	40	40	<0.1	45.4	7.6	490	10	2.8	16.6	48	<0.1	0.7	0.3	156	0.28	0.047																						
STD OREAS262	Standard																																									
STD OREAS262	Standard																																									
STD OREAS25A-4A	Standard	2.1	34.3	22.9	46	46	<0.1	42.7	6.8	475	10	2.6	16.0	50	<0.1	0.5	0.4	156	0.26	0.046																						
STD OREAS45E	Standard	2.3	787.4	18.7	49	49	0.3	469.2	59.6	574	17	2.6	13.7	18	<0.1	1.2	0.3	328	0.06	0.034																						
STD OREAS45H	Standard	1.3	793.6	13.0	42	42	0.1	434.3	93.1	426	17	1.8	8.7	30	<0.1	0.6	0.1	268	0.14	0.022																						
STD OREAS45E	Standard	2.1	779.7	17.8	51	51	0.3	473.5	59.8	573	18	2.4	13.6	18	<0.1	1.0	0.3	317	0.06	0.033																						
STD SO-19	Standard																																									
STD SO-19	Standard																																									
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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

Project: Dab
Report Date: September 11, 2019

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QUALITY CONTROL REPORT

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	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
3217304	3.6	28	0.22	214	0.819	10.63	3.650	0.43	<0.1	1.8	10	0.2	7.7	1.4	<0.1	<1	<1	7.4	<0.1	
DUP 3217304	QC																			
3217338	3.6	29	0.23	211	0.823	10.68	3.588	0.42	<0.1	1.7	10	0.2	7.2	1.5	<0.1	<1	<1	6.7	<0.1	
Rock	1.6	21	1.56	135	0.692	10.18	3.183	0.36	0.1	3.2	4	0.3	1.1	0.7	<0.1	<1	2	2.2	<0.1	
DUP 3217338	QC																			
Reference Materials																				
STD BVGE001																				
STD DS11																				
STD DS11																				
STD GBM309-15																				
STD GS311-1																				
STD GS311-1																				
STD GS311-1																				
STD GS311-1																				
STD GS910-4																				
STD GS910-4																				
STD GS910-4																				
STD GS910-4																				
STD GS910-4																				
STD OREAS262																				
STD OREAS25A-4A	22.5	109	0.33	141	0.925	9.28	0.141	0.45	1.8	145.8	48	4.1	10.9	19.8	1.4	1	13	36.1	<0.1	
STD OREAS25A-4A	21.6	110	0.31	143	0.908	9.05	0.134	0.44	1.9	146.5	47	3.9	10.3	19.3	1.4	<1	12	36.5	<0.1	
STD OREAS25A-4A																				
STD OREAS262																				
STD OREAS262																				
STD OREAS25A-4A	25.3	112	0.30	143	0.958	8.46	0.126	0.46	1.8	143.6	54	3.8	11.7	19.6	1.4	<1	13	33.6	<0.1	
STD OREAS45E	11.5	898	0.15	264	0.547	7.08	0.055	0.33	1.0	97.3	26	1.4	8.4	6.5	0.6	<1	93	6.6	<0.1	
STD OREAS45H	13.1	626	0.23	346	0.860	8.34	0.078	0.20	1.1	125.1	25	2.0	10.1	13.9	1.0	1	57	14.4	<0.1	
STD OREAS45E	11.3	956	0.16	256	0.530	7.07	0.055	0.35	1.1	97.3	26	1.1	8.7	6.4	0.5	<1	96	6.9	<0.1	
STD SO-19																				
STD SO-19																				
STD SO-19																				

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St / Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

Project: Dab
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	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	Sc	Ni	
	Hf	In	Re	Se	Te	Ti	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	%	%	%	%	ppm	ppm		
	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm		
3217304	<0.1	<0.05	<0.005	<1	<0.5	<0.5	50.18	25.46	5.80	0.47	9.77	4.81	0.64	1.44	0.57	0.04	0.005	233	<20	<20						
DUP 3217304	QC	<0.1	<0.05	<0.005	<1	0.7	50.22	25.61	5.75	0.48	9.67	4.79	0.64	1.48	0.51	0.04	0.006	222	20	20						
3217338	Rock	0.1	<0.05	<0.005	<1	<0.5	49.15	24.26	7.63	3.17	9.13	4.22	0.46	1.18	0.04	0.06	0.005	144	62	62						
DUP 3217338	QC	0.1	<0.05	<0.005	<1	<0.5	49.37	24.26	7.42	3.16	9.09	4.30	0.47	1.13	0.04	0.06	0.003	136	67	67						
Reference Materials																										
STD BVGEO01	Standard																									
STD DS11	Standard																									
STD DS11	Standard																									
STD GBM309-15	Standard																									
STD GS311-1	Standard																									
STD GS311-1	Standard																									
STD GS311-1	Standard																									
STD GS311-1	Standard																									
STD GS910-4	Standard																									
STD GS910-4	Standard																									
STD GS910-4	Standard																									
STD GS910-4	Standard																									
STD GS910-4	Standard																									
STD OREAS262	Standard																									
STD OREAS25A-4A	Standard	3.9	0.08	<0.005	2	<0.5	<0.5																			
STD OREAS25A-4A	Standard	4.0	0.10	<0.005	3	<0.5	<0.5																			
STD OREAS262	Standard																									
STD OREAS262	Standard																									
STD OREAS25A-4A	Standard	4.1	0.06	<0.005	2	<0.5	<0.5																			
STD OREAS45E	Standard	2.9	0.10	<0.005	2	<0.5	<0.5																			
STD OREAS45H	Standard	3.2	0.12	<0.005	2	<0.5	<0.5																			
STD OREAS45E	Standard	3.0	0.10	<0.005	2	<0.5	<0.5																			
STD SO-19	Standard	60.43	13.93	13.93	7.56	2.97	5.92	4.02	1.26	0.70	0.32	0.13	0.490	494	461	26										
STD SO-19	Standard	60.30	13.98	13.98	7.52	3.00	5.94	4.07	1.27	0.70	0.32	0.13	0.508	472	479	26										
STD SO-19	Standard	60.72	13.90	13.90	7.33	2.89	5.91	4.05	1.30	0.69	0.33	0.13	0.488	460	480	28										

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

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QUALITY CONTROL REPORT

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	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200		
3217304	Rock	0.6	99.86	<1	16.9	<0.1	19.8	0.6	1.5	4.7	<1	769.6	<0.1	0.3	<0.1	198	<0.5	20.9	12.2	7.7	18.3					
DUP 3217304	QC	0.6	99.86	<1	16.2	0.1	20.0	0.5	1.5	4.6	<1	749.2	0.1	0.3	0.2	200	<0.5	20.5	11.0	7.5	17.1					
3217338	Rock	0.5	99.84	<1	34.8	<0.1	19.2	0.2	0.6	2.1	<1	718.9	<0.1	<0.2	<0.1	176	<0.5	6.5	1.3	2.4	4.1					
DUP 3217338	QC	0.5	99.84	<1	35.4	<0.1	19.7	0.2	0.7	2.3	<1	736.9	<0.1	<0.2	<0.1	169	<0.5	6.8	1.0	2.4	4.1					
Reference Materials																										
STD BVGEO01	Standard																									
STD DS11	Standard																									
STD DS11	Standard																									
STD GBM309-15	Standard																									
STD GS311-1	Standard																									
STD GS311-1	Standard																									
STD GS311-1	Standard																									
STD GS311-1	Standard																									
STD GS910-4	Standard																									
STD GS910-4	Standard																									
STD GS910-4	Standard																									
STD GS910-4	Standard																									
STD OREAS262	Standard																									
STD OREAS25A-4A	Standard																									
STD OREAS25A-4A	Standard																									
STD OREAS262	Standard																									
STD OREAS262	Standard																									
STD OREAS25A-4A	Standard																									
STD OREAS45E	Standard																									
STD OREAS45H	Standard																									
STD OREAS45E	Standard																									
STD SO-19	Standard	1.9	99.78	15	23.3	4.6	16.3	3.2	70.0	20.0	19	312.2	4.7	13.8	17.6	172	9.3	114.6	35.4	70.1	153.9					
STD SO-19	Standard	1.9	99.78	23	23.3	4.5	16.3	3.2	70.9	19.9	19	308.3	5.1	13.3	18.8	171	11.3	112.1	37.0	72.2	155.2					
STD SO-19	Standard	1.9	99.79	15	22.2	4.5	16.5	3.1	69.1	20.2	18	310.6	4.7	13.2	19.1	165	10.4	109.2	36.8	68.6	152.6					

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QUALITY CONTROL REPORT

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	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	TC000	TC000	Mo	Cu	Pb	Zn	Ni	As		
	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
3217304	Rock	12.8	3.19	1.52	3.18	0.44	2.36	0.43	1.10	0.14	0.81	0.10	0.04	<0.02	0.2	7.8	0.5	13	23.4	0.9							
DUP 3217304	QC	12.4	2.77	1.42	3.05	0.40	2.25	0.43	1.02	0.12	0.73	0.11	0.03	<0.02	0.2	6.4	0.5	11	20.7	<0.5							
3217338	Rock	2.2	0.35	0.74	0.35	0.05	0.25	0.04	0.11	0.02	0.12	0.02	0.09	<0.02	0.1	6.8	0.3	8	53.7	<0.5							
DUP 3217338	QC	2.0	0.29	0.77	0.33	0.05	0.28	0.04	0.13	<0.01	0.09	0.02	0.09	<0.02	<0.1	6.7	0.2	8	55.8	0.5							
Reference Materials																											
STD BVGE001	Standard															10.8	4565.7	198.2	1756	165.1	117.9						
STD DS11	Standard															15.5	161.0	141.6	356	83.6	45.6						
STD DS11	Standard															14.0	151.8	143.1	362	78.5	40.3						
STD GBM309-15	Standard												0.19	27.93													
STD GS311-1	Standard												1.01	2.45													
STD GS311-1	Standard												1.00	2.37													
STD GS311-1	Standard												0.98	2.29													
STD GS311-1	Standard												0.99	2.36													
STD GS910-4	Standard												2.74	8.60													
STD GS910-4	Standard												2.70	8.26													
STD GS910-4	Standard												2.64	8.06													
STD GS910-4	Standard												2.69	8.41													
STD OREAS262	Standard												0.6	114.2	59.4	145	63.7	36.7									
STD OREAS25A-4A	Standard																										
STD OREAS25A-4A	Standard																										
STD OREAS262	Standard																										
STD OREAS262	Standard																										
STD OREAS25A-4A	Standard																										
STD OREAS262	Standard																										
STD OREAS262	Standard																										
STD OREAS45E	Standard																										
STD OREAS45H	Standard																										
STD OREAS45E	Standard																										
STD SO-19	Standard	19.66	76.6	13.64	3.77	10.47	1.41	7.42	1.37	3.73	0.54	3.64	0.54														
STD SO-19	Standard	19.68	75.5	12.67	3.74	10.86	1.38	7.56	1.40	3.87	0.54	3.32	0.51														
STD SO-19	Standard	18.94	74.6	13.03	3.63	10.48	1.38	7.58	1.37	3.89	0.55	3.51	0.52														

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

Project: Dab
Report Date: September 11, 2019

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QUALITY CONTROL REPORT

TIM19001719.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Cd	Sb	Bi	Ag	Au	Hg	Tl	Se					
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm					
3217304	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5					
DUP 3217304	QC	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5					
3217338	Rock	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5					
DUP 3217338	QC	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5					
Reference Materials														
STD BVGEO01	Standard	6.5	2.1	24.3	2.5	215.1	0.09	0.6	4.9					
STD DS11	Standard	2.5	7.0	12.9	2.6	140.1	0.29	5.2	2.8					
STD DS11	Standard	2.1	7.4	10.9	1.6	401.1	0.24	4.8	2.1					
STD GBM309-15	Standard													
STD GS311-1	Standard													
STD GS311-1	Standard													
STD GS311-1	Standard													
STD GS311-1	Standard													
STD GS910-4	Standard													
STD GS910-4	Standard													
STD GS910-4	Standard													
STD GS910-4	Standard													
STD OREAS262	Standard	0.6	2.6	1.1	0.5	59.1	0.17	0.5	<0.5					
STD OREAS25A-4A	Standard													
STD OREAS25A-4A	Standard													
STD OREAS262	Standard	0.6	2.8	1.0	0.4	53.9	0.16	0.4	<0.5					
STD OREAS262	Standard	0.7	2.9	1.0	0.5	51.8	0.17	0.5	0.6					
STD OREAS25A-4A	Standard													
STD OREAS45E	Standard													
STD OREAS45H	Standard													
STD OREAS45E	Standard													
STD SO-19	Standard													
STD SO-19	Standard													
STD SO-19	Standard													

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

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460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

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QUALITY CONTROL REPORT

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Wght	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
kg	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P			
0.01	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	%	ppm	%	
STD SO-19	Standard																					
STD SO-19	Standard																					
STD SO-19	Standard																					
STD GBM309-15 Expected																						
STD GS311-1 Expected																						
STD GS910-4 Expected																						
STD OREAS45H Expected																						
STD BVGE001 Expected																						
STD DS11 Expected																						
STD OREAS262 Expected																						
STD SO-19 Expected																						
STD OREAS25A-4A Expected																						
STD OREAS45E Expected																						
BLK	Blank	2.41	33.9	25.2	44.4	45.8	7.7	480	6.6	9.94	2.94	15.8	48.5	0.65	0.37	157	0.301	0.048				
BLK	Blank	2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065	0.034		
BLK	Blank	<0.1	0.3	<0.1	<1	<0.1	0.2	<0.2	<1	<0.01	<1	<0.1	<1	<0.1	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.001	
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	1	<0.1	<1	<0.1	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.001	
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	1	<0.01	<1	<0.1	<1	<0.1	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.001	
Prep Wash																						
ROCK-TIM	Prep Blank	1.0	3.5	2.2	35	<0.1	1.6	4.0	621	2.19	2	1.3	2.9	188	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001	
ROCK-TIM	Prep Blank	0.9	6.4	2.4	36	<0.1	1.3	4.1	657	2.15	2	1.3	3.0	192	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.001	



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

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QUALITY CONTROL REPORT

TIM19001719.1

	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200		
	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	Rb	
	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
STD SO-19	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	0.1	0.1
Standard																					
STD SO-19																					
Standard																					
STD GBM309-15 Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD OREAS46H Expected	12.4	602	0.238	332	0.878	7.99	0.09	0.205	0.99	131	23.6	1.93	10.4	14.8	1.08	1.09	57	13.1			22.5
STD BVGEO01 Expected																					
STD DS11 Expected																					
STD OREAS262 Expected																					
STD SO-19 Expected																					
STD OREAS25A-4A Expected	21.8	115	0.327	147	0.93	8.87	0.131	0.482	2	155	47.3	4.06	10.5	20.9	1.4	0.93	13.7	36.7	0.047		61
STD OREAS45E Expected	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046		21.2
BLK																					
Blank																					
BLK																					
Blank																					
BLK																					
Blank																					
BLK	<0.1	1	<0.01	<1	<0.001	<0.01	0.004	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	<0.1	<0.1
Blank																					
BLK	<0.1	<1	<0.01	<1	<0.001	<0.01	0.004	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	<0.1	<0.1
Blank																					
BLK																					
Blank																					
BLK	<0.1	1	<0.01	<1	<0.001	<0.01	0.003	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	<0.1	<0.1
Blank																					
Prep Wash																					
ROCK-TIM	13.2	2	0.52	771	0.193	7.32	3.411	1.60	0.2	50.5	25	0.8	16.9	5.5	0.4	<1	7	1.7	<0.1	<0.1	30.3
Prep Blank																					
ROCK-TIM	14.9	2	0.53	830	0.208	7.34	3.348	1.57	0.3	53.9	28	0.9	17.2	5.8	0.4	<1	7	1.9	<0.1	<0.1	30.5
Prep Blank																					

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

Project: Dab
Report Date: September 11, 2019

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QUALITY CONTROL REPORT

TIM19001719.1

	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Hf	In	Re	Se	Te	Ti	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sc																							
	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm																							
	0.1	0.05	0.005	1	0.5	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1	20	1																							
STD SO-19	Standard	60.80	13.74	7.29	2.88	5.99	4.09	1.32	0.70	0.33	0.13	0.480	460	489	27																												
STD SO-19	Standard	60.29	14.02	7.52	2.93	5.97	4.05	1.31	0.70	0.31	0.13	0.498	483	463	27																												
STD SO-19	Standard	60.75	13.82	7.44	2.88	5.88	4.04	1.29	0.70	0.31	0.13	0.489	467	460	26																												
STD GBM309-15 Expected																																											
STD GS311-1 Expected																																											
STD GS910-4 Expected																																											
STD OREAS46H Expected		3.6	0.1	2.02																																							
STD BVGEO01 Expected																																											
STD DS11 Expected																																											
STD OREAS262 Expected																																											
STD SO-19 Expected		4.14	0.09	2.4	0.35		61.13	13.95	7.47	2.88	6	4.11	1.29	0.69	0.32	0.13	0.5	486	470	27																							
STD OREAS25A-4A Expected																																											
STD OREAS45E Expected		3.11	0.099	2.97	0.1	0.15																																					
BLK	Blank																																										
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BLK	Blank																																										
BLK	Blank																																										
BLK	Blank																																										
Prep Wash																																											
ROCK-TIM	Prep Blank	1.6	<0.05	<0.005	<1	<0.5	<0.5	70.49	14.14	3.28	0.95	1.98	4.69	1.99	0.34	0.09	0.08	<0.002	884	<20	6																						
ROCK-TIM	Prep Blank	1.6	<0.05	<0.005	<1	<0.5	<0.5	70.53	14.11	3.19	0.95	2.06	4.73	2.01	0.35	0.10	0.08	<0.002	880	<20	7																						



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PHONE (604) 253-3158

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

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QUALITY CONTROL REPORT

TIM19001719.1

	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
LOI	Sum	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	
%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
-5.1	0.01	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	
Standard	1.9	99.80	10	23.6	4.8	17.0	2.9	67.6	20.4	17	315.3	4.5	13.3	18.8	164	9.8	109.1	35.3	69.3	153.8
Standard	1.9	99.79	18	22.9	4.2	15.4	3.0	67.3	19.7	19	307.4	4.7	13.2	18.9	167	9.1	108.4	34.8	70.6	154.2
Standard	1.9	99.78	19	22.8	4.3	15.9	3.0	67.8	19.8	17	305.3	4.7	13.7	19.8	165	8.4	108.4	36.1	70.7	149.0
STD GBM309-15 Expected																				
STD GS311-1 Expected																				
STD GS910-4 Expected																				
STD OREAS46H Expected																				
STD BVGEO01 Expected																				
STD DS11 Expected																				
STD OREAS262 Expected																				
STD SO-19 Expected	20	24	4.5	17.5	3.1	68.5	19.5	19	317.1	4.9	13	19.4	165	9.8	112	35.5	71.3	161		
STD OREAS25A-4A Expected																				
STD OREAS45E Expected																				
Blank																				
Blank																				
Blank																				
Blank																				
Blank																				
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Blank																				
Blank																				
Blank																				
Blank																				
Blank	0.0	0.04	<1	0.3	<0.1	<0.5	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	
Blank																				
Blank																				
Blank																				
Blank																				
Blank	0.0	0.01	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<1	1.3	<0.1	<0.2	<0.1	<8	<0.5	0.1	<0.1	<0.1	<0.1	
Blank																				
Blank	0.0	0.01	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.1	<0.1	<0.1	<0.1	
Blank																				
Blank																				
Prep Wash																				
ROCK-TIM	1.8	99.94	<1	3.8	<0.1	12.6	3.5	5.9	30.0	<1	193.8	0.3	2.8	1.3	34	<0.5	132.5	17.2	14.8	25.3
ROCK-TIM	1.7	99.94	<1	4.4	<0.1	12.8	3.4	6.3	30.5	<1	187.3	0.4	3.3	1.4	34	<0.5	136.9	19.2	15.6	27.5

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QUALITY CONTROL REPORT

TIM19001719.1

	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	TC000	TC000	TC000	TC000	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ni	As							
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
STD SO-19	Standard	18.84	75.3	13.18	3.57	10.36	1.34	7.18	1.44	3.89	0.54	3.47	0.51														
STD SO-19	Standard	19.32	74.3	13.05	3.69	10.52	1.37	7.17	1.38	3.94	0.55	3.50	0.53														
STD SO-19	Standard	19.20	74.1	12.71	3.62	10.71	1.38	6.95	1.37	3.80	0.55	3.54	0.52														
STD GBM309-15 Expected															0.22	28.84											
STD GS311-1 Expected															1.02	2.35											
STD GS910-4 Expected															2.65	8.27											
STD OREAS46H Expected																											
STD BVGE001 Expected																											
STD DS11 Expected																											
STD OREAS262 Expected																											
STD SO-19 Expected		19.4	75.7	13.7	3.81	10.53	1.41	7.5	1.39	3.78	0.55	3.55	0.53														
STD OREAS25A-4A Expected																											
STD OREAS45E Expected																											
BLK	Blank																										
BLK	Blank																										
BLK	Blank																										
BLK	Blank																										
BLK	Blank																										
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BLK	Blank																										
BLK	Blank																										
BLK	Blank																										
BLK	Blank																										
Prep Wash																											
ROCK-TIM	Prep Blank	3.22	12.1	2.42	0.73	2.70	0.45	2.85	0.60	1.85	0.32	2.14	0.39	0.11	<0.02	1.1	3.1	0.9	32	1.7	1.0						
ROCK-TIM	Prep Blank	3.34	12.7	2.67	0.78	2.91	0.45	2.96	0.64	2.02	0.32	2.26	0.36	0.10	0.03	0.9	5.8	1.0	34	1.3	0.6						

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

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Project: Dab
Report Date: September 11, 2019

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QUALITY CONTROL REPORT

TIM19001719.1

	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Cd	Sb	Bi	Ag	Au	Hg	Tl	Se				
	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm				
STD SO-19	0.1	0.1	0.1	0.1	0.5	0.01	0.1	0.5				
Standard												
STD SO-19												
Standard												
STD GBM309-15 Expected												
STD GS311-1 Expected												
STD GS910-4 Expected												
STD OREAS45H Expected												
STD BVGEO01 Expected	6.5	2.2	25.6	2.53	219	0.1	0.62	4.84				
STD DS11 Expected	2.37	7.2	12.2	1.71	79	0.26	4.9	2.2				
STD OREAS262 Expected	0.61	3.39	1.03	0.45	65	0.17	0.47	0.4				
STD SO-19 Expected												
STD OREAS25A-4A Expected												
STD OREAS45E Expected												
BLK												
Blank												
BLK												
Blank												
BLK												
Blank												
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BLK												
Blank												
BLK												
Blank												
BLK												
Blank												
BLK												
Blank												
BLK												
Blank												
Prep Wash												
ROCK-TIM												
Prep Blank	<0.1	<0.1	<0.1	<0.1	1.2	<0.01	<0.1	<0.5				<0.5
ROCK-TIM												
Prep Blank	<0.1	<0.1	<0.1	<0.1	0.5	<0.01	<0.1	<0.5				<0.5

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Account: OCDCCY

CERTIFICATE VA19213316

Project: Dab

This report is for 2 Rock samples submitted to our lab in Vancouver, BC, Canada on 26-AUG-2019.

The following have access to data associated with this certificate:

RORY KUTLUOGLU

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
PUL-21	Pulverize entire sample
BAG-01	Bulk Master for Storage
DISP-01	Disposal of all sample fractions

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
TOT-ICP06	Total Calculation for ICP06	

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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Project: Dab

CERTIFICATE OF ANALYSIS VA19213316

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.002	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01
1		2.70	11.80	6.25	60.3	0.44	9.30	0.19	0.08	0.057	14.45	0.35	0.01	<0.01	<0.01	-2.85
2		2.64	3.25	8.33	66.7	0.53	3.52	0.19	0.07	0.072	19.45	0.32	<0.01	<0.01	<0.01	-2.98



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CERTIFICATE OF ANALYSIS VA19213316

Sample Description	Method Analyte Units LOD	TOT-ICP06 Total %	ME-ICP61 Ag ppm	ME-ICP61 Al %	ME-ICP61 As ppm	ME-ICP61 Ba ppm	ME-ICP61 Be ppm	ME-ICP61 Bi ppm	ME-ICP61 Ca %	ME-ICP61 Cd ppm	ME-ICP61 Co ppm	ME-ICP61 Cr ppm	ME-ICP61 Cu ppm	ME-ICP61 Fe %	ME-ICP61 Ga ppm	ME-ICP61 K %
1		100.38	0.5	2.66	6	10	<0.5	15	0.28	<0.5	202	251	7	39.7	40	0.03
2		99.45	<0.5	3.01	5	20	<0.5	30	0.34	<0.5	200	361	4	42.2	50	0.04



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CERTIFICATE OF ANALYSIS VA19213316

Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
		ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
		10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
1		<10	5.29	2320	<1	0.13	330	60	<2	0.01	<5	10	29	<20	9.74	<10
2		<10	1.70	2100	<1	0.12	325	50	<2	0.01	<5	15	38	<20	>10.0	<10



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CERTIFICATE OF ANALYSIS VA19213316

Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
1		<10	1840	<10	325
2		10	2400	<10	337



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CERTIFICATE OF ANALYSIS VA19213316

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

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

BAG-01	DISP-01	LOG-22	ME-ICP06
ME-ICP61	OA-GRA05	PUL-21	TOT-ICP06
WEI-21			



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CERTIFICATE VA19213316

Project: Dab

This report is for 2 Rock samples submitted to our lab in Vancouver, BC, Canada on 26-AUG-2019.

The following have access to data associated with this certificate:

RORY KUTLUOGLU		
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
PUL-21	Pulverize entire sample
BAG-01	Bulk Master for Storage
DISP-01	Disposal of all sample fractions

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
TOT-ICP06	Total Calculation for ICP06	

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

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

Signature: 
 Saa Traxler, General Manager, North Vancouver



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CERTIFICATE OF ANALYSIS VA19213316

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP06 SiO2 %	ME-ICP06 Al2O3 %	ME-ICP06 Fe2O3 %	ME-ICP06 CaO %	ME-ICP06 MgO %	ME-ICP06 Na2O %	ME-ICP06 K2O %	ME-ICP06 Cr2O3 %	ME-ICP06 TiO2 %	ME-ICP06 MnO %	ME-ICP06 P2O5 %	ME-ICP06 SrO %	ME-ICP06 BaO %	OA-GRA05 LOI %
1		2.70	11.80	6.25	60.3	0.44	9.30	0.19	0.08	0.057	14.45	0.35	0.01	<0.01	<0.01	-2.85
2		2.64	3.25	8.33	66.7	0.53	3.52	0.19	0.07	0.072	19.45	0.32	<0.01	<0.01	<0.01	-2.98

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CERTIFICATE OF ANALYSIS VA19213316

Sample Description	Method Analyte Units LOD	TOT-ICP06 Total %	ME-ICP61 Ag ppm	ME-ICP61 Al %	ME-ICP61 As ppm	ME-ICP61 Ba ppm	ME-ICP61 Be ppm	ME-ICP61 Bi ppm	ME-ICP61 Ca %	ME-ICP61 Cd ppm	ME-ICP61 Co ppm	ME-ICP61 Cr ppm	ME-ICP61 Cu ppm	ME-ICP61 Fe %	ME-ICP61 Ga ppm	ME-ICP61 K %
1		100.38	0.5	2.66	6	10	<0.5	15	0.28	<0.5	202	251	7	39.7	40	0.03
2		99.45	<0.5	3.01	5	20	<0.5	30	0.34	<0.5	200	361	4	42.2	50	0.04



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CERTIFICATE OF ANALYSIS VA19213316

Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
		ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
		10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01	10
1		<10	5.29	2320	<1	0.13	330	60	<2	0.01	<5	10	29	<20	9.74	<10
2		<10	1.70	2100	<1	0.12	325	50	<2	0.01	<5	15	38	<20	>10.0	<10



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CERTIFICATE OF ANALYSIS VA19213316

Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
1		<10	1840	<10	325
2		10	2400	<10	337



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Project: Dab

CERTIFICATE OF ANALYSIS VA19213316

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
BAG-01 DISP-01 LOG-22 ME-ICP06
ME-ICP61 OA-GRA05 PUL-21 TOT-ICP06
WEI-21



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QC CERTIFICATE VA19213316

Project: Dab

This report is for 2 Rock samples submitted to our lab in Vancouver, BC, Canada on 26-AUG-2019.

The following have access to data associated with this certificate:

RORY KUTLUOGLU		
----------------	--	--

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
PUL-21	Pulverize entire sample
BAG-01	Bulk Master for Storage
DISP-01	Disposal of all sample fractions

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
TOT-ICP06	Total Calculation for ICP06	

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

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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QC CERTIFICATE OF ANALYSIS VA19213316

Sample Description	Method Analyte Units LOD	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	OA-GRA05	ME-ICP61
		SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	Cr2O3 %	TiO2 %	MnO %	P2O5 %	SrO %	BaO %	LOI %	Ag ppm		
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.5
STANDARDS																		
AMIS0167		93.3	2.43	3.41	0.13	0.24	0.09	0.52	0.060	0.15	0.02	0.04	<0.01	0.01				
Target Range - Lower Bound		89.6	2.29	3.28	0.10	0.21	0.06	0.45	0.049	0.12	<0.01	<0.01	<0.01	<0.01				
Upper Bound		93.3	2.55	3.62	0.16	0.27	0.12	0.55	0.067	0.18	0.04	0.05	0.02	0.02				
AMIS0547																	38.4	
Target Range - Lower Bound																	36.6	
Upper Bound																	40.4	
CDN-W-4																	4.34	
Target Range - Lower Bound																	4.08	
Upper Bound																	4.53	
MGeo08																		4.5
Target Range - Lower Bound																		3.2
Upper Bound																		5.6
OREAS 602																		>100
Target Range - Lower Bound																		107.5
Upper Bound																		100.0
SY-4		50.5	20.6	6.20	7.81	0.51	7.10	1.65	0.020	0.28	0.11	0.12	0.14	0.04				
Target Range - Lower Bound		48.7	20.1	5.95	7.74	0.49	6.81	1.56	<0.002	0.25	0.08	0.10	0.11	<0.01				
Upper Bound		51.1	21.3	6.47	8.36	0.59	7.39	1.76	0.005	0.32	0.13	0.16	0.17	0.06				
BLANKS																		
BLANK		<0.01	0.01	0.01	0.02	<0.01	0.01	0.07	<0.002	<0.01	<0.01	0.01	<0.01	<0.01				
Target Range - Lower Bound		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01				
Upper Bound		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.004	0.02	0.02	0.02	0.02	0.02				
BLANK																		<0.5
Target Range - Lower Bound																		<0.5
Upper Bound																		1.0
BLANK																	0.02	
Target Range - Lower Bound																	<0.01	
Upper Bound																	0.02	



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QC CERTIFICATE OF ANALYSIS VA19213316

Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %
STANDARDS																
AMIS0167																
Target Range - Lower Bound																
Upper Bound																
AMIS0547																
Target Range - Lower Bound																
Upper Bound																
CDN-W-4																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		7.04	32	1080	3.2	3	2.72	2.2	19	92	635	4.06	20	3.21	20	1.31
Target Range - Lower Bound		6.64	21	920	2.2	<2	2.35	1.1	17	81	586	3.55	<10	2.79	<10	1.17
Upper Bound		8.14	45	1270	4.5	5	2.90	3.4	23	102	676	4.37	40	3.43	60	1.45
OREAS 602		4.31	661	790	0.8	63	0.66	25.1	10	29	5150	2.26	20	0.69	10	0.19
Target Range - Lower Bound		3.92	579	590	<0.5	49	0.55	21.7	7	28	4790	2.01	<10	0.60	<10	0.17
Upper Bound		4.82	719	830	1.8	65	0.69	27.7	12	36	5510	2.47	40	0.76	40	0.23
SY-4																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	1	<1	<0.01	<10	<0.01	<10	<0.01
Target Range - Lower Bound		<0.01	<5	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<0.01	<10	<0.01
Upper Bound		0.02	10	20	1.0	4	0.02	1.0	2	2	2	0.02	20	0.02	20	0.02
BLANK																
Target Range - Lower Bound																
Upper Bound																



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QC CERTIFICATE OF ANALYSIS VA19213316

Sample Description	Method Analyte Units LOD	ME-ICP61 Mn ppm	ME-ICP61 Mo ppm	ME-ICP61 Na %	ME-ICP61 Ni ppm	ME-ICP61 P ppm	ME-ICP61 Pb ppm	ME-ICP61 S %	ME-ICP61 Sb ppm	ME-ICP61 Sc ppm	ME-ICP61 Sr ppm	ME-ICP61 Th ppm	ME-ICP61 Ti %	ME-ICP61 Tl ppm	ME-ICP61 U ppm	ME-ICP61 V ppm
STANDARDS																
AMIS0167																
Target Range - Lower Bound																
Upper Bound																
AMIS0547																
Target Range - Lower Bound																
Upper Bound																
CDN-W-4																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		554	14	2.00	699	1020	1110	0.31	6	10	303	<20	0.51	<10	<10	110
Target Range - Lower Bound		497	12	1.76	621	930	969	0.27	<5	10	276	<20	0.44	<10	<10	97
Upper Bound		619	18	2.18	761	1160	1190	0.35	15	15	340	60	0.56	20	30	121
OREAS 602		231	4	0.45	59	560	1055	2.15	87	4	465	<20	0.23	<10	<10	33
Target Range - Lower Bound		198	2	0.40	53	500	918	1.90	61	2	417	<20	0.18	<10	<10	29
Upper Bound		253	7	0.51	67	640	1125	2.34	97	6	511	50	0.24	20	20	37
SY-4																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<5	<1	<0.01	1	<10	<2	<0.01	<5	<1	<1	<20	<0.01	<10	<10	<1
Target Range - Lower Bound		<5	<1	<0.01	<1	<10	<2	<0.01	<5	<1	<1	<20	<0.01	<10	<10	<1
Upper Bound		10	2	0.02	2	20	4	0.02	10	2	2	40	0.02	20	20	2
BLANK																
Target Range - Lower Bound																
Upper Bound																



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Sample Description	Method Analyte Units LOD	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
STANDARDS			
AMIS0167			
Target Range - Lower Bound			
Upper Bound			
AMIS0547			
Target Range - Lower Bound			
Upper Bound			
CDN-W-4			
Target Range - Lower Bound			
Upper Bound			
MGeo08		<10	798
Target Range - Lower Bound		<10	722
Upper Bound		30	886
OREAS 602		10	4120
Target Range - Lower Bound		<10	3770
Upper Bound		30	4610
SY-4			
Target Range - Lower Bound			
Upper Bound			
BLANKS			
BLANK			
Target Range - Lower Bound			
Upper Bound			
BLANK		<10	<2
Target Range - Lower Bound		<10	<2
Upper Bound		20	4
BLANK			
Target Range - Lower Bound			
Upper Bound			



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Sample Description	Method Analyte Units LOD	ME-ICP06 SiO2 %	ME-ICP06 Al2O3 %	ME-ICP06 Fe2O3 %	ME-ICP06 CaO %	ME-ICP06 MgO %	ME-ICP06 Na2O %	ME-ICP06 K2O %	ME-ICP06 Cr2O3 %	ME-ICP06 TiO2 %	ME-ICP06 MnO %	ME-ICP06 P2O5 %	ME-ICP06 SrO %	ME-ICP06 BaO %	OA-GRA05 LOI %	ME-ICP61 Ag ppm
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	0.01	0.01	0.01	0.01	0.01	0.01	0.5
DUPLICATES																
ORIGINAL																1.31
DUP																1.32
Target Range - Lower Bound																1.27
Upper Bound																1.36
ORIGINAL																0.9
DUP																1.0
Target Range - Lower Bound																<0.5
Upper Bound																1.0
2		3.25	8.33	66.7	0.53	3.52	0.19	0.07	0.072	19.45	0.32	<0.01	<0.01	<0.01		
DUP		3.03	8.24	66.8	0.52	3.52	0.18	0.10	0.073	19.45	0.33	<0.01	<0.01	<0.01		
Target Range - Lower Bound		3.05	8.07	65.1	0.50	3.42	0.17	0.07	0.069	18.95	0.31	<0.01	<0.01	<0.01		
Upper Bound		3.23	8.50	68.4	0.55	3.62	0.20	0.10	0.076	19.95	0.34	0.02	0.02	0.02		

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



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Sample Description	Method Analyte Units LOD	ME-ICP61 Al %	ME-ICP61 As ppm	ME-ICP61 Ba ppm	ME-ICP61 Be ppm	ME-ICP61 Bi ppm	ME-ICP61 Ca %	ME-ICP61 Cd ppm	ME-ICP61 Co ppm	ME-ICP61 Cr ppm	ME-ICP61 Cu ppm	ME-ICP61 Fe %	ME-ICP61 Ga ppm	ME-ICP61 K %	ME-ICP61 La ppm	ME-ICP61 Mg %
		0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10	0.01	10	0.01
ORIGINAL DUP Target Range - Lower Bound Upper Bound	DUPLICATES															
ORIGINAL DUP Target Range - Lower Bound Upper Bound	5.28 5.51 5.12 5.67	305 319 291 333	1340 1310 1220 1430	0.8 0.8 <0.5 1.0	<2 <2 <2 4	13.00 13.45 12.55 13.90	<0.5 <0.5 <0.5 1.0	5 4 3 6	3 3 2 4	9 10 8 11	2.15 2.26 2.08 2.33	10 10 <10 20	2.74 2.85 2.65 2.94	10 10 <10 20	0.52 0.54 0.49 0.57	
2 DUP Target Range - Lower Bound Upper Bound																

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Sample Description	Method Analyte Units LOD	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20	ME-ICP61 Ti % 0.01	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	
DUPLICATES																	
ORIGINAL DUP Target Range - Lower Bound Upper Bound																	
ORIGINAL DUP Target Range - Lower Bound Upper Bound		3920 4150 3830 4240	2 2 <1 3	0.09 0.09 0.08 0.10	2 <1 <1 2	500 530 480 550	12 15 11 16	1.75 1.83 1.69 1.89	7 <5 <5 10	5 5 4 6	229 237 220 246	<20 <20 <20 40	0.18 0.19 0.17 0.20	<10 <10 <10 20	<10 <10 <10 20	44 46 42 48	
2 DUP Target Range - Lower Bound Upper Bound																	

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QC CERTIFICATE OF ANALYSIS VA19213316
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Sample Description	Method Analyte Units LOD	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
DUPLICATES			
ORIGINAL DUP Target Range - Lower Bound Upper Bound			
ORIGINAL DUP Target Range - Lower Bound Upper Bound		<10 <10 <10 20	24 27 22 29
2 DUP Target Range - Lower Bound Upper Bound			



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QC CERTIFICATE OF ANALYSIS VA19213316

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

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BAG-01 DISP-01 LOG-22
ME-ICP61 OA-GRA05 PUL-21
WEI-21

ME-ICP06
TOT-ICP06

Appendix E: Qualified Person's Certificate

QUALIFIED PERSON'S CERTIFICATE

I, Rory Kutluoglu, P.Geo., do hereby certify:

THAT I am a Professional Geologists with offices at 902-1438 Richards Street Vancouver, British Columbia, Canada.

THAT I am the author of the Technical Report entitled "2019 Technical (N.I. 43-101) Report on the DAB Property" and with an effective date of March 31st, 2020, relating to the DAB property (the "Technical Report"). I am responsible for all items within it.

THAT I am a member in good standing (#36147) of the Professional Engineers and Geoscientists of British Columbia and a Fellow of the Society of Economic Geologists.

THAT I graduated from Lakehead University with a Bachelor of Science degree in geology in 2004, and I have practiced my profession continuously since 2004.

THAT since 2004, I have been involved in mineral exploration for gold, silver, copper, lead, zinc, cobalt, nickel, Platinum group elements, uranium, diamonds, emeralds and tin in Canada, USA, Mexico, Bulgaria and Colombia.

THAT I am a Consulting Geologist and have been so since September 2015.

THAT I have read the definition of "independence" set out in Part 1.5 of National Instrument 43-101 ("NI 43-101") and certify that I am independent of Temas Resources Ltd.

THAT I have examined the property which is the subject of the Technical Report in the field (July 16th to 17th, 2019) and that I have had no prior involvement with that property.

THAT I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.

THAT as of the effective date of the Technical Report, to the best of my knowledge, information and belief, this Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

THAT I have read National Instrument 43-101 and Form 43-101F1, and the Technical Report has been prepared in compliance with that instrument and form. I am responsible for the entire content of this report.

THAT I consent to the filing of the Technical Report with any stock exchange and other regulatory authority and any publication by them for regulatory purposes, including electronic publication in the public company files on their websites accessible by the public, of the Technical Report.

Dated at Vancouver, British Columbia, with effective date of March 31st, 2020:

"signed and sealed"

Rory Kutluoglu, P. Geo.