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Core Re-Logging, Re-Sampling, New Sampling, and Updated Mineralized Model of the Bannockburn Gold Deposit

Madoc Township,
Southern Ontario Mining Division,
Ontario, Canada

NTS 31C/12 Centered at
77°33' W, 44° 39' N

Prepared For:

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Markham, Ontario
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February 17, 2017

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1 Introduction

The following report outlines work completed on Crown William Mining's Bannockburn Gold Project, located in the Southern Ontario Mining Division, in Madoc Township. An extensive core re-logging, re-sampling, and new sampling program was completed on this property, with results used to update a 3-dimensional mineralized model of the deposit.

From October 14th to December 31st, 2016, Crown William Mining Corporation ("**Crown William**") contracted Fladgate Exploration Consulting Corporation ("**Fladgate**") to conduct exploration activities at the Bannockburn Gold Project. Fladgate provided all of the required geological, geotechnical, and sub-contractor services on the program described herein.

2 Terms of Reference

This report was prepared by Fladgate at the request of Crown William for its final submission to the Junior Exploration Assistance Program (JEAP) committee.

3 Disclaimer

This report is based on information from assessment reports, private reports, and general geological reports and maps listed in Section 13 "References". These reports are considered by the Authors to be non-41-101 compliant as many were written before the implementation of NI 43-101. The Authors do not take responsibility for the information provided from such sources.

4 Property Description, Location, and Access

The Bannockburn property is located in Madoc Township, in the Southern Ontario Mining Division, roughly 18 km north of the town of Madoc, and 220 km northeast of Toronto by way of Hwy 401 and Hwy 62 north (Figure 1). The property is centered at 77°33' W, 44°39' N in map sheet NTS 31C/12. The property is comprised of a 21-year mining lease (106008), which covers two contiguous surveyed mining claims having a combined area of 103.34 ha (Figure 2 and Table 1). Together with the Lloyd patent (125 ha.), the total area of the Bannockburn property is 228.34 ha. Crown William owns the Lloyd patent outright, and holds a 100% interest in the mining lease that covers the other two claims. A complete list of mining leases/claims and patent that comprise the Bannockburn property is provided in Table 1.

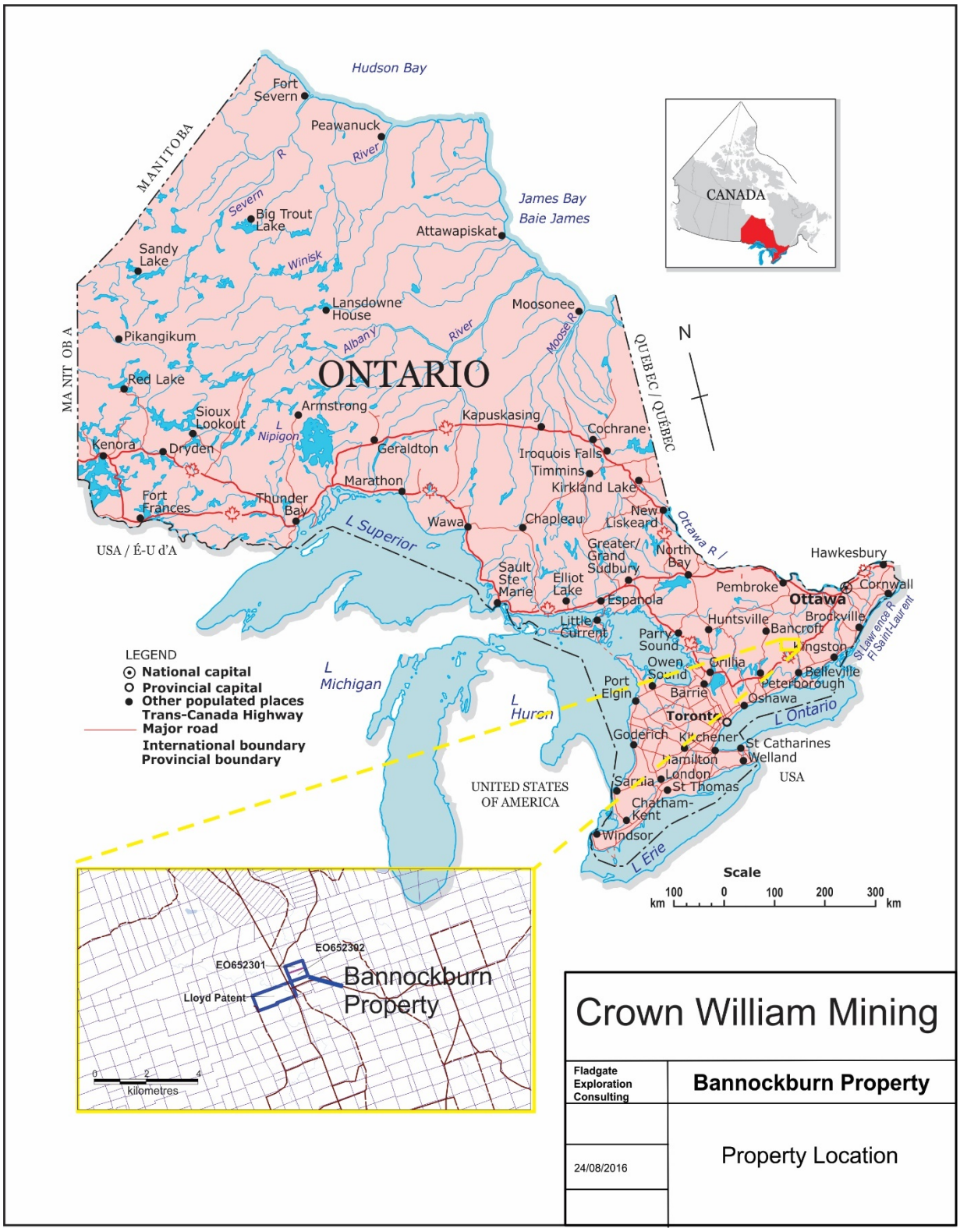

Figure 1 - General Location Map of the Bannockburn Project.

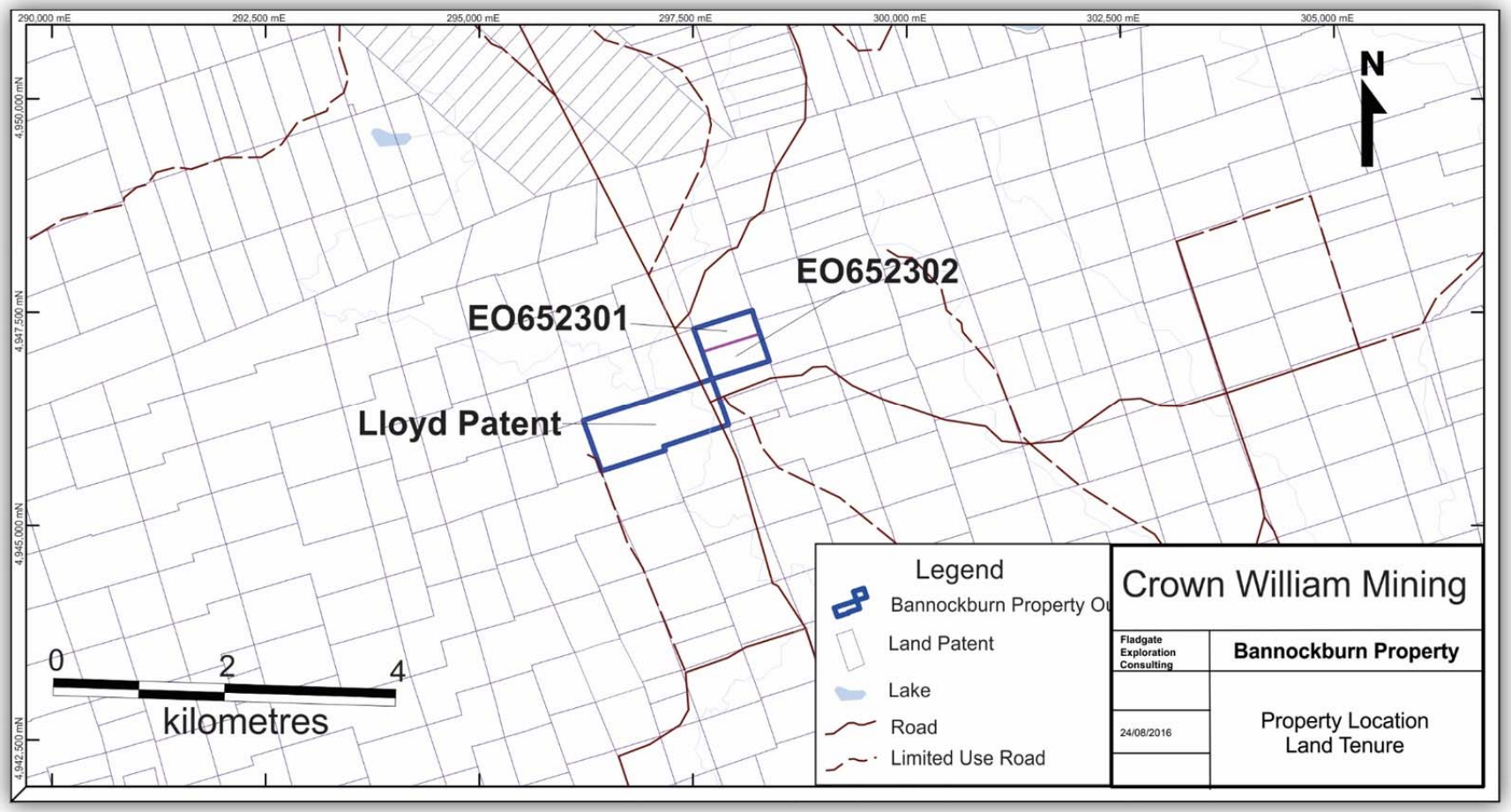

Figure 2 - Bannockburn Property Claim Map.

Table 1 - Bannockburn Property Patented Claims.

Claim Number	Lease Number	Twp.	Expiry	Lot No.	Conc No.	Area (ha)	Rights	Holder Name
EO 652301	106008	Madoc	Nov 21, 2032	29	VI	54.88	Mining and surface rights	Crown William Mining Corp.
EO 652302	106008	Madoc	Nov 21, 2032	29	VI	48.46	Mining and surface rights	Crown William Mining Corp.
Lloyd Patent	448214	Madoc	n/a	28	V	125	Mining and surface rights	Crown William Mining Corp.

5 Geological Setting

5.1 Regional Geology

The Bannockburn Property lies within the eastern portion of Ontario's Grenville Province. More specifically, the property falls within the central Elzevir Terrane of the Central Metasedimentary Belt, which is a metavolcanic domain comprised of greenstone belts and associated intrusive complexes. The Bannockburn property is part of the Grimsthorpe Domain (Figure 3), the western margin of which, is dominated by the Caniff Complex, which consists of massive and pillowed tholeiitic metabasalts, spilitic metabasalts, metadiorites and metagabbros. Ultramafic rocks also occur in the Grimsthorpe domain and are commonly altered to talc-anthophyllite-actinolite-bearing rocks.

5.2 Property Geology

The bedrock hosting the Northeast Block consists of two main lithologies; mafic volcanic rocks, overlain by sulfide-bearing semi-pelitic metasediments (Figure 4). All of the units are of Proterozoic age (~1.28 Ga). The most common lithologies are crudely banded fine- to medium-grained sericitic and siliceous semi-pelitic metasediments known as "Rusty Schists". These rocks have a high sulfide content, dominantly pyrite and pyrrhotite with traces of base metal sulfides. Consequently, the lithologies are characterized by a moderate electromagnetic and a strong magnetic signature. Silica and carbonate alteration are present in close proximity to quartz veins.

Within the volcanic-sedimentary contact zone, garnetiferous chlorite-biotite schists occur in a discontinuous band, which in places reaches up to 21 m in thickness and may exhibit patchy carbonate and sericitic alteration. In contrast to the Rusty Schists, the sulfide content is lower and less uniform, with a random distribution of larger blebs and patches of pyrite and pyrrhotite.

Major faulting in the area is not obvious. Northerly-striking moderately- to steeply-dipping fractures and shear zones, some of which host quartz vein systems of economic interest, are present. Recent geological investigations indicate that the Moira Fault traverses the area and is proximal to all gold mineralization in the area.

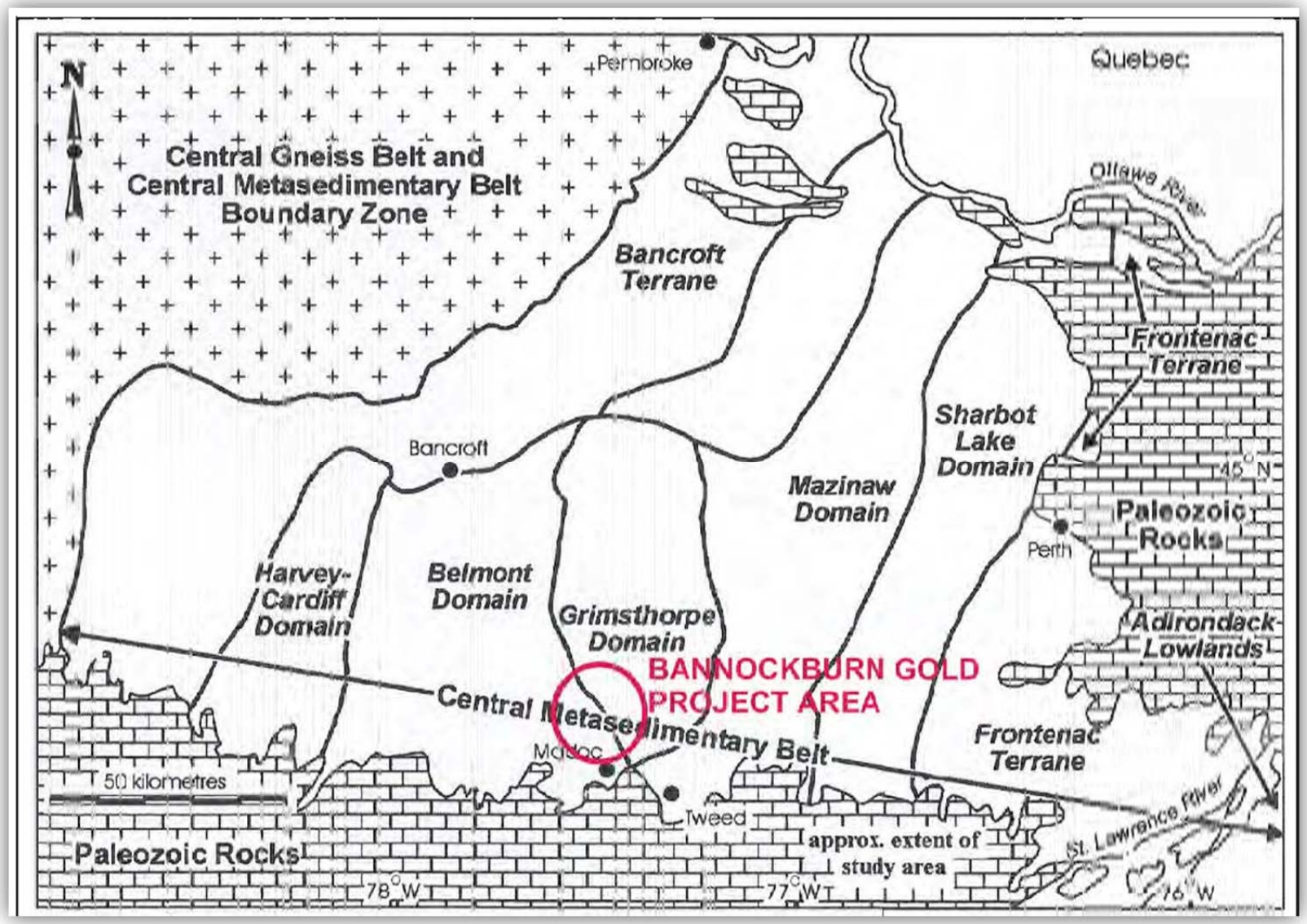

Figure 3 - Regional Geology.

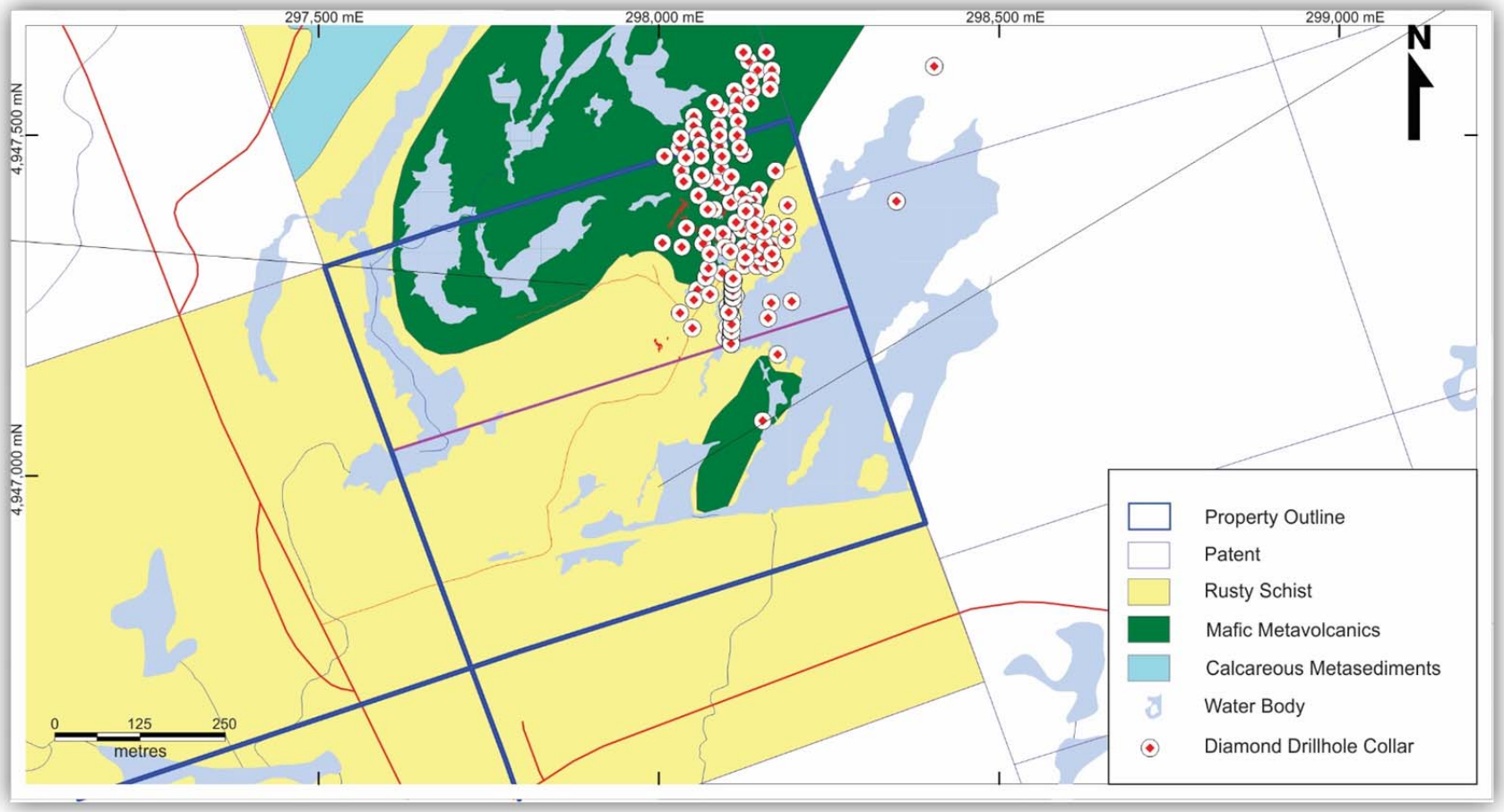

Figure 4 - Property Geology.

The volcanic rocks of the Caniff Complex (Tudor Formation) is the most important lithology in the Northeast Block (Figure 4). The formation consists of mafic to intermediate massive greenstones, which are moderately foliated and exhibit a variety of alteration types, the most pervasive of which is chloritization. Within the mafic volcanic rocks it is difficult to distinguish between individual flows or tuffaceous units in the absence of flow tops and other primary igneous features.

Intrusive rocks are the least abundant on the property. Generally, they are narrow, mafic to intermediate sills and dykes of diverse orientations. The mafic sills appear to be very susceptible to carbonate alteration. The mafic intrusives are dioritic in composition and may be coeval with Gawley Creek syenite.

Deformation of the bedrock is related to Grenville age tectonics. One fold has a closure immediately west of the Discovery trench and is interpreted as a minor synform developed on a larger antiformal structure that plunges to the south. In a larger context the result of multiple folding events is seen in the development of a strong near vertical axial planar cleavage and associated axial planar shearing with development of numerous parasitic folds and shear zones. These features are most clearly visible in the Rusty Schists and other schistose units on the property.

Gold mineralization associated with quartz veins is presently known to occur at two localities on the Bannockburn property; the historical Bannockburn Mine area and the Northeast Block, located 1.6 km to the northeast.

At the Bannockburn Mine, free gold is associated with pyrite and carbonate minerals in a zone of quartz veins up to 2 ft wide, quartz stringers and silicification all within a northerly-striking shear zone that dips vertically. The vein zone has been traced along strike in excess of 200 m by three diamond drilling programs (1965, 1981, and 1985). The 1985 drill program consisted of 1,524 m at twelve sites along the strike extension of the Bannockburn Mine structure and beneath the lowest points of the old mine workings. No gold mineralization of economic interest was encountered at this location.

In the Northeast Block a complex system of quartz veining (stockwork) occupies an area 366 m in a north-south direction and 122 to 152 m in an east-west direction. This zone has been tested by 12,192 m of surface diamond drilling, 396 m of underground excavation, and 1,737 m of underground diamond drilling.

The stockwork comprises two principal vein systems. The strongest, a first order system, strikes northeasterly and dips 35-55° to the east, and a second order system strikes northeasterly and dips moderately to steeply southeast. The first order veins appear to occupy a weakly to moderately persistent fracture set, and the second order veins appear to follow the foliation fabric developed in the host rocks.

The first order vein system is considered to be the only veins of potential economic importance. From four to ten parallel narrow quartz veins containing significant gold values occur in the system. Veins range from a few centimeters to 2 m in width. The second order vein system, exposed in the decline consists of numerous narrow very short lenses of quartz exposed across a width of 76 m.

Sulfide mineralization in quartz veins is relatively scarce. Where present the most abundant sulfide minerals are pyrite and pyrrhotite with lesser amounts of chalcopyrite, galena and sphalerite. Hydrothermal alteration is dominantly carbonate minerals and silicification.

In the Core Area (south part of the Northeast Block) the veins have been explored by surface and underground diamond drilling and by limited drifting on the 1st level (22.9 m). Core intercepts range up to 5 m, but the majority are in the range of 0.3-0.6 m. Grades are highly variable, the highest encountered was 2015.9 g/t Au (58.8 ounces gold per ton) across 0.3 m. The veins have been intersected over a strike length of 213 m and a vertical extent of 91 m. A blind lower zone stratigraphically below the Core Zone has a vertical extent of about 122 m (400 ft). Assays in this zone historically returned values of 51.4 g/t Au over 0.5 m (1.5 ounces gold per ton) in drill hole 88-5 and 52.1 g/t Au over 0.3 m (1.52 oz/ton) in hole 86-30.

The mineralized quartz veins generally strike north-south but short local variations up to 45° are present. Dips in the range of 35-55° are common but require further definition. The veins appear to be fracture controlled within a shear zone. The No. 3 vein exhibits the best continuity, and can be traced along strike for at least 122 m and down dip for 61 m.

Mineralized quartz veins in the Northeast Block have been explored by diamond drilling only. At least ten parallel veins are present within a zone ~152 m wide and greater than 183 m in length. Most intercepts are less than 0.45 m in thickness. The individual veins appear to strike north-south and dip about 45° to the east. Continuity of the individual veins is difficult to assess on the basis of drill results alone.

A problem related to assaying procedures was noted during the 1987 “D” and “H” zones drill program, and consequently intersections in which visible gold was noted returned low values. Orcan Mineral Associates Ltd. considers the assay error to reduce the gold grade of the deposit by ~13%. The figure was derived by comparing chip, muck and drill core assay results of the same mineralized material. However, there are no indications as to the quantity of samples associated with the assaying problems.

5.3 Local Geology

The eastern portion of the Bannockburn Property hosts a set of gold-bearing quartz veins; the veins have been exposed on surface by trenching, and defined underground by extensive drilling and one level of underground tunneling. Up to twelve separate gold-bearing veins have been identified in the prospective area, covering an area ~450 m long by ~175 m wide. The veins have been drilled densely to a depth of 50 m and in intersections as deep as 175 m and are still open at depth. Veins cross-cut the foliation, striking north-south and dipping moderately to the east. Auriferous vein widths vary from ~3 cm, up to a maximum of 1.8 m. Individual veins appear to show strong continuity at the property scale, but locally are strongly affected by foliation and may pinch and swell or change direction abruptly. Vein spacing is fairly regular at ~9 m. Mineralogy varies from vein to vein, but in general the auriferous veins consist of massive white quartz with minor pyrite and pyrrhotite concentrated along vein margins. The veins are hosted in Archean-age metavolcanics of the Tudor Formation as well as in the overlying Hermon Group metasediments. Both units are strongly deformed within the prospective area with a

penetrative foliation striking to the northeast and dipping steeply to the east. The veins have also been deformed. Other mineral phases observed in the veins include tellurides, sparse iron carbonates, chlorite, and very small tourmaline needles. Visible gold is also frequently observed, as nuggets, flakes, and small grains commonly near the wallrock contact.

6 Deposit Types

Low-Tonnage/High Grade Au Deposit

The alteration systems observed in the mafic supracrustal rocks of the western Grimsthorpe domain have many similarities to Archean lode-gold systems, such as pervasive carbonate alteration, the variety and timing of quartz vein systems, and the association of gold with disseminated pyrite, potassic alteration and strong structural control. These conditions are also common in the Moira River and Gilmour fault/shear zones.

The Northeast Block gold mineralization appears to be lodged at the contact between Rusty Schist and mildly-altered mafic volcanic and gabbroic rocks of the Grimsthorpe domain. Unlike other occurrences, however, the gold-bearing quartz and quartz-carbonate veins lie at a high angle to the lithological contacts and are not clearly related to any regional structures (LeBaron, 1991). The veins trend between 345-360° and dip 40-45° to the east.

Gold is found associated with tellurides and bismuthides, suggesting a hydrothermal origin related to the emplacement of a nearby syenite intrusion. The Gawley Creek syenite is spatially related to both the Bannockburn Gold Deposit and Mono gold prospect.

Initially the gold mineralization in the area was located by prospecting, and the search techniques have evolved to include geochemical and geophysical surveys. Soil sampling of “B” horizon soils has been a proven technique elsewhere in the region. Induced polarization surveys will detect disseminated sulfide mineralization associated with the gold mineralization and the silicification related to quartz veins.

7 Historical Exploration

The region has a long history of mineral exploration and development dating back to the 1850’s. Commodities of interest to the early prospectors included iron ore, base metals, and gold.

The discovery of gold in 1866 on the Richardson farm near Eldorado, ~3 km south of Bannockburn, created a gold rush in the area. In the following years numerous prospects were explored and several were brought into production. However it appears that most were not commercially viable.

At the Bannockburn Mine (circa 1894), stripping, trenching and the sinking of four shallow shafts (to a maximum depth of 22.8 m) are recorded. Drifting appears to have been minimal (~5.2 m) in only one

shaft. A ten stamp mill was in operation at this time and records indicate that 3.5 ounces of gold was produced.

Modern exploration commenced in the 1960's. Mr. R. Belanger in 1965 completed a program of 1,555 m of core drilling at 12 sites, sampling old and new trenches, and dewatering the deepest shaft. No records of this work survived a house fire in 1996.

In 1981, Mono Gold Mines Inc. conducted a program consisting of geological mapping, electromagnetic and magnetic geophysical surveys, a limited amount of stripping and sampling, a 526 m drill program at 11 sites, and partial dewatering of the main (22.8 m deep) shaft. In 1984, geophysical ground surveys were expanded to cover the entire property. In September 1984, a program of geological mapping, prospecting and sampling of outcropping quartz veins was carried out, resulting in the discovery of gold-bearing veins of the "Northeast Block". A specimen sample from the Discovery Vein, located in the Northeast Block returned 33.2 g/t Au (0.97 ounces gold per ton).

In February 1985, a 618 m diamond drill program at 8 sites was completed on the Northeast Block. The drilling confirmed the presence of a gold-bearing vein system at shallow depths along a strike length of ~46 m ("Discovery" or "D" Zone). A second exploration program completed in July 1985 consisted of establishing a detailed survey grid and geological mapping. The program outlined significant gold-bearing quartz veining over a strike length of more than 152 m and to a depth of ~73 m. The drilling (986 m at 12 sites) extended the D Zone northward by ~100 m. By late September an additional 1,366 m of drilling at 14 sites was completed, as well as a property-wide soil geochemical survey, which indicated numerous anomalies. This was followed by an additional 2,145 m of drilling at 15 sites completed by December, 1985.

In 1986 three diamond drill programs completed 5,666 m of drilling at 52 sites. This drilling was designed to complete cross sections in the D Zone, and quartz veins to the north (the "H" Zone). At the end of this drilling, King (1986) estimated "drill indicated and inferred reserves" of 226,700 tonnes with a grade of 15.4 grams gold per tonne (0.45 ounces gold per ton)" over a minimum 1.2 m width for the D and H zones.

During February and March 1987 a diamond drill program consisting of 3,079 m of drilling at 32 sites was completed between the Core and the North areas. Using only drill intercepts from 51,000 ft of core from 84 diamond drill holes Sawyer (1987) estimated the resource to be 337,540 tonnes grading 13.5 g/t Au (0.395 ounces gold per ton) over a width of 1.2 m to a depth of 100 m and a strike length of 450 m.

In May and June 1987 a stripping program was carried out in the Core Area, which extended the Discovery vein ~122 m south and 213 m north. Some of the new exposure was channel sampled, and a bulk sample for metallurgical sample was collected over a 25.9 m interval. Additional exploration in September and October consisted of stripping, which exposed several visible gold occurrences in the North area.

In October 1987, Micham Exploration Inc. entered into a joint venture with Mono Gold Mines to further explore and develop the property, especially the Northeast Block.

In the first four months of 1988, a 3.4 m by 4.6 m decline was driven to the 22.9 m, or 1st Level, five 2.1 m by 1.8 m drifts (97.5 m) were driven into three veins and an underground diamond drilling program consisting of 1,737 m at 35 sites was completed.

Further work on the Northeast Block commenced in September 1996 with rehabilitation of the underground workings. Surface and underground surveying was followed by surface drilling of the No. 3 South vein and underground slashing of same vein. Sufficient material was excavated to create a 100 tonne sample that was sent to the Noranda Smelter. Also a 1,530 tonne sample was transported to the St. Andrew Goldfields Ltd. mill for test beneficiating studies. However the sample was not treated due to a lack of working capital, and also the Bannockburn decline was sealed along with the dissolution of the joint venture.

The Bannockburn Showing was discovered in 1985 by Mono Gold Mines, and was delineated through drilling, trenching and a small underground program over the course of the next three years. Sampling was concentrated in a block 450 m by 150 m, with most drilling confined to a depth above 150 m.

Two separate historic resource estimates have been completed on the property. The resource estimates were completed before NI 43-101 regulations were implemented. The initial resource estimate was completed in 1986 by L.J. Manning & Associates, and revised by Sawyer Consultants after the 1987 Phase I drilling campaign. The original Manning & Associates report is not available, but the revised resource is available in the Ministry of Northern Development and Mining assessment files. The total estimate to 100 m depth was 337,613 tonnes @ 13.5 g/t, for a total of 147,000 ounces.

A decline was driven into the main showing area in the first four months of 1988, and a new resource estimate was calculated by Orcan Mineral Associates Ltd. in June of 1988. The total Orcan estimate was 225,127 tonnes @ 6.4 g/t, for a total of 46,160 ounces. A sectional polygonal estimate was used, with a 100 g/t cap and a 1.5 g/t cut-off. The Orcan resource was diluted to 1.8 m width, and locally extended down to 175 m depth although 90% of the resource sits within the top 100 m.

In 1996-97 Madoc Mining Company Limited re-commenced underground exploration by dewatering the decline and completing detailed surveying of the mine openings. The object was to acquire a 1,814 tonne bulk sample of the mineralization for metallurgical studies. A Further 36 holes were drilled in 1996 and 1997 by Madoc Mining Company Ltd., for a total of 906 m. These holes were drilled at a tight (10 x 10 m) spacing within the existing resource area. The resource was not updated following this work. Exploration on the property also ceased before the bulk sample was processed.

In the 2011 Ontario Geological Survey Report of Activities the Bannockburn deposit was reported as: “372 154 tons grading 0.395 ounces gold per ton” (Sawyer Consultants Inc., 1987).

In 2011 Crown William Mining commissioned a technical report on the property from G. A. Herron P. Geo. One of the recommendations of Herron was that the historic assay results had a consistent low bias that is common in nugget gold deposits. Herron recommended that all resources be increased by a

factor of 13%. The Harron Report also states: “The Corporation is not aware of any environmental issues on the leases. Previous operators of the property filed and completed a closure plan. There are no First Nation issues currently affecting the project.”

All drill core and logs from past exploration programs is stored at the local Ministry of Northern Development and Mines offices and is available for further sampling and geological analysis.

In 2015, Fladgate Exploration Consulting was engaged to perform a work program consisting of trench mapping/sampling, prospecting and georeferencing of historic drill collars. The purpose of this program was to improve the understanding of the structural controls on gold mineralization and preparation for the eventual re-logging and re-sampling of the historic drill core to enable building a 3D geological model.

8 Current Program

8.1 Rationale for the 2016 Program

A full data validation of all historical exploration work was performed during the 2013 program on the Bannockburn Gold Project. This validation revealed the limited amount of historic drill hole sampling that had been completed. Many narrow quartz vein intercepts had not been sampled, and very few wall rock samples had been taken on either side of the veins. Lower grade gold within the wallrock could contribute positively to the overall mineralization model and also contribute to the minimum width requirement for underground mining, which is often not met with the width of veins present on the Bannockburn property. It is also common to find a large halo of lower grade gold in wall rock where there are numerous closely-spaced veins such as are found on the Bannockburn property.

A small re-sampling program was conducted through the summer of 2013 with roughly 10% of the historic drill holes re-sampled. Numerous quartz vein intersections that were previously not sampled were found to carry grades of >10 g/t Au over narrow widths. A zone of low grade mineralization was also outlined, named the “Conduit Zone”, the inclusion of which in a mineralized model would allow for consideration of employing an open pit mining method, which would therefore significantly reduce costs. Due to these favourable first results, a further re-sampling and re-logging program was envisioned, in order to further delineate and extend the Conduit Zone, assess the relationship between the low-grade Conduit Zone and the high-grade veins, and update the mineralization model for this gold deposit.

8.2 Re-Logging, Re-Sampling, and New Sampling of Historic Drill Core

During the fall of 2016, Fladgate personnel conducted the historic core re-logging and re-sampling (plus fresh sampling) program at the MNDM core storage facility on Old Troy Road, just north of Tweed, Ontario. Drill holes selected for this program were confined to the N-S trend of the Conduit Zone. Chris Fouts was the on-site geologist responsible for all re-logging and sampling activities. He was assisted by three geotechnicians throughout the program.

8.3 Wireframe Model

An 'in-house' 3D wireframe mineralization model was created in 2013 by Fladgate personnel after compiling all historic drilling data. This model was generated based on the assumption of past workers that high-grade veins could be grouped together as a single, parallel set of sheeted veins, having a NNW strike (House, 2002). A preliminary core re-sampling and trench mapping program undertaken by Fladgate personnel in 2013 and 2015 revealed a more complex model of veining, with multiple sets of veins striking anywhere from W to NNE (Fingas, 2013 and 2015). Updating each individual vein as single domains did not seem feasible for this report. The Conduit Zone was re-modeled to define a better trend and to show more of the bulk potential on the property after a second phase of re-logging and sampling.

Using the newly acquired lithological and compositional information from the current re-logging and re-sampling program, the 2013 model was updated and the exploration potential of the Bannockburn Gold Project assessed. The updated model is still considered 'in-house' and non-compliant.

9 Methods Employed, QA/QC

9.1 Re-logging and Sampling, QA/QC Protocol

Drill core was properly rehabilitated and logged at the MNDM core yard inside a prospector tent. The core was cut at the MNDM office on Old Troy Road in Tweed, Ontario. All drill holes were sampled top-to-bottom in unsampled intervals in order to evaluate the bulk mining potential. In addition, most of the historical high-grade intercepts were re-sampled in order to test reproducibility and improve confidence with regards to the mineralization on the property.

Half core was left over, or even full core, unsampled. So after the intervals were chosen, the core was cut using a diamond saw, and half core pieces were placed into labeled sample bags that were subsequently tied shut. Several sample bags were combined into rice bags, and shipped directly to Accurassay Laboratory in Thunder Bay, Ontario, for analysis.

A QA/QC protocol was applied to the sampling program, in order to ensure the accuracy and reproducibility of the analyses. Independent of the assay lab, gold-bearing standards and blanks were inserted into the sample stream (using the same numbering sequence) every 13-17 samples. The QA/QC samples alternated between standards and blank, with standards being either a low, medium, or high Au concentration. Certified reference materials (CRMs) were purchased by Fladgate from Geostats Australia. The high concentration standard (G308-5) contained 13.30 ± 0.57 ppm Au, the medium concentration standard (G301-10) contained 5.57 ± 0.21 ppm Au, and the low concentration standard (G310-5) contained 1.01 ± 0.05 ppm Au, all by fire assay. The blank material used in this program was Play Sand from Alltreat Farms (bought at Home Hardware).

All samples were analyzed for gold using 50 g pulverized samples by fire assay and atomic absorption spectroscopy (AAS) finish (code ALFA2). A gravimetric analysis was triggered by AAS results >10,000 ppm

Au (code ALFA7). The lab inserted their own standards and blanks to test accuracy, as well as conducted duplicate analyses, replicate analyses, and pulp duplicates to check reproducibility. The reject pulps are being stored at Accurassay until such time as Fladgate can arrange pick-up and storage at their Thunder Bay location.

9.2 Wireframe Model

The Conduit Zone was model using Gems 6.6 at 10 m spacing vertical sections parallel to drill direction. Once interpretation was complete on a vertical section, plan sections were generated at 10 m spacing to confirm the low-grade envelope. There are several historical holes that remain unsampled and were not included in this program. Thus snapping to assay intervals should be completed once a complete set of data is available.

10 Results

10.1 Re-logging and Re-Sampling/New Sampling Results

A total of 47 drill holes from the 1985-1986 era were re-logged. The re-logs with assays are included in Appendix II. A total of 3,447 samples (excluding QA/QC samples) were collected from 37 drill holes during the re-sampling program, and analysed for Au using the procedure described above. The assay certificates for these results are compiled in Appendix III. The program produced many intervals with significant Au grades (Table 2).

Table 2 - Significant Assays from the current program (sorted from highest value down to 1 g/t Au).

Sample	Hole ID	Sample Interval		Au (g/t)
		From (ft)	To (ft)	
332479	86-22	422.0	423.5	70.996
332286	86-8	40.6	41.6	61.438
332124	86-5	178.6	179.6	57.755
346758	86-27	309.6	310.5	45.998
346918	86-41	82.0	84.3	40.702
332204	86-6	138.6	139.6	39.753
332475	86-22	330.6	331.6	34.701
330424	86-36	56.2	58.2	29.044
346835	86-29	160.2	161.2	28.104
346012	85-1	63.0	65.1	24.814
346013	85-1	65.1	69.0	24.437
346848	86-32	25.5	26.7	23.059
346734	86-27	88.5	90.0	21.671

Sample	Hole ID	Sample Interval		Au (g/t)
		From (ft)	To (ft)	
346714	86-26	421.0	422.1	19.04
332480	86-22	453.6	454.6	18.287
332478	86-22	377.0	378.0	17.928
346725	86-26	479.4	480.4	16.228
295672	86-44	338.7	339.7	14.35
332035	86-4	204.4	206.0	14.215
332399	86-21	84.3	85.7	13.625
346934	86-41	144.7	146.7	12.792
332222	86-7	33.5	35.1	12.1
332323	86-16	196.2	197.2	11.8
346073	85-2	57.0	61.0	11.627
346794	86-28	120.4	121.4	11.462
332185	86-5	428.1	429.1	11.196
346636	86-25	253.0	254.0	10.694
346717	86-26	436.3	428.5	9.901
346903	86-41	59.4	60.6	9.643
332455	86-22	126.2	128.8	8.991
346815	86-29	54.4	55.8	8.8
332119	86-5	169.1	170.0	8.708
330255	86-50	122.8	124.6	8.025
331011	86-36	309.0	311.8	7.288
346521	86-23	231.9	234.2	6.84
295673	86-44	339.7	341.7	6.839
332457	86-22	131.3	132.3	6.639
346698	86-26	199.0	201.2	6.346
346747	86-27	215.0	216.8	5.975
332319	86-16	188.5	190.5	5.913
332353	86-16	344.5	345.7	5.821
346783	86-28	96.1	97.1	5.794
346522	86-23	234.2	236.3	5.576
332342	86-16	294.0	295.0	5.538
332263	86-7	276.3	279.5	5.358
346644	86-25	301.3	303.0	5.336
332114	86-5	151.6	153.0	5.324
346707	86-26	284.8	285.8	5.32
332474	86-22	322.8	324.3	5.312
346674	86-25	384.3	385.3	5.128
346757	86-27	308.3	309.6	4.178

Sample	Hole ID	Sample Interval		Au (g/t)
		From (ft)	To (ft)	
346578	86-24	110.5	111.6	4.059
295985	86-30	230.0	231.2	4.057
331132	86-2	94.0	97.0	3.773
332369	86-16	435.4	437.9	3.753
346061	85-2	12.0	17.2	3.518
332112	86-5	148.5	149.5	3.514
330335	86-19	74.0	75.4	3.273
332311	86-16	54.5	55.5	2.996
332969	86-8	118.6	122.8	2.992
346774	86-28	71.2	72.2	2.863
295693	86-45	58.6	59.8	2.823
346078	85-2	79.0	82.7	2.68
346697	86-26	198.8	199.0	2.516
346738	86-27	159.3	160.3	2.41
295669	86-44	333.8	335.7	2.181
346572	86-24	88.1	90.4	2.132
332303	86-8	143.7	145.8	2.038
346776	86-28	74.7	77.1	2.032
332176	86-5	394.4	395.4	1.971
346099	85-2	149.0	152.0	1.934
332228	86-7	105.6	108.0	1.929
346564	86-24	32.6	33.6	1.882
332029	86-4	187.3	189.3	1.862
331231	86-3	150.5	153.0	1.851
332260	86-7	232.9	235.8	1.848
331133	86-2	97.0	100.6	1.772
346553	86-23	365.0	367.8	1.769
346851	86-32	44.7	46.1	1.763
332473	86-22	290.7	291.7	1.746
295639	86-44	38.3	39.3	1.714
332027	86-4	180.8	184.6	1.687
332205	86-6	139.6	142.1	1.669
346010	85-1	55.0	58.0	1.65
332391	86-20	184.0	185.0	1.643
346680	86-25	424.4	425.4	1.626
332235	86-7	119.4	121.3	1.556
330336	86-19	75.4	77.7	1.499
346567	86-24	40.4	42.9	1.464

Sample	Hole ID	Sample Interval		Au (g/t)
		From (ft)	To (ft)	
332971	86-8	126.1	128.5	1.438
346826	86-29	120.9	121.9	1.388
331387	86-18	266.3	269.3	1.299
332241	86-7	130.5	131.5	1.272
295515	86-42	51.0	55.5	1.26
332219	86-6	184.4	187.0	1.217
346065	85-2	28.0	31.0	1.215
332123	86-5	177.0	178.6	1.201
332982	86-8	168.5	172.7	1.188
332931	86-7	254.0	257.4	1.175
332250	86-7	181.3	182.3	1.165
346824	86-29	115.0	116.5	1.151
332198	86-6	107.6	108.6	1.148
332930	86-7	251.5	254.0	1.148
332864	86-6	94.0	97.6	1.135
332496	86-23	175.0	176.5	1.127
346580	86-24	125.7	128.9	1.121
330428	86-36	64.6	67.5	1.043
332216	86-6	177.3	180.0	1.041
331752	86-23	367.0	372.0	1.041
332919	86-7	190.4	194.0	1.038
295751	86-45	238.8	241.7	1

All reference standards were within 3 standard deviations of the accepted value, however, some blank analyses returned non-zero values. The occurrences happened after the analysis of a high-grade sample, therefore there may have been some bleed-through at some part of the preparation stage or it could be that the uptake dipper was not fully washed between analyses. Lab duplicates are within an acceptable range of difference from original values.

Results from the 2016 sampling and resampling of high-grade intercepts achieved similar trends to the 2013 resampling program. The low-grade Conduit Zone was further defined and unsampled narrow veins returned significant results. Furthermore the program was able to confirm some of the historical high-grade intercepts despite the nuggety nature of the veins. Figures 5-12 show complete sampling of historical drill holes, whereas Figures 13 and 14 show re-sampling of only the high-grade veins. These sections continue to show low-grade wall-rock mineralization accompanied by high-grade veins within the Conduit Zone and high-grade veins with little to no mineralization in the wallrock outside the zone.

The high-grade veins outside the Conduit Zone are frequent and appear to be related to the contact between the sediments and volcanics. Both lithological units host the high-grade veins, however low-grade mineralization progressively emerges away from the contact. A secondary zone in the 'hanging wall' (Conduit Zone 2?) containing the high-grade veins and lithology relationship can only be vaguely interpreted at present. Zone 2 has a similar trend to the main Conduit Zone. Further sampling is recommended across the contact to outline this trend.

Unique observations were made in previous sampling where high-grade veins showed low-grade mineralization developed away from the veins and contained a 'halo' of zero-grade within the Conduit Zone (Fingas, 2013). With more sampling data available now the relationship is common, however it is not exclusive to the zone. It also occurs outside the Conduit Zone mainly on the hanging wall side but at a much less frequency than inside the Conduit envelope. The relationships further indicate multiple pulses of Au mineralization not only in the Conduit Zone but above the zone as well. The frequency of its occurrence might be a fundamental competency difference between the host volcanic and sediments/volcanic contact.

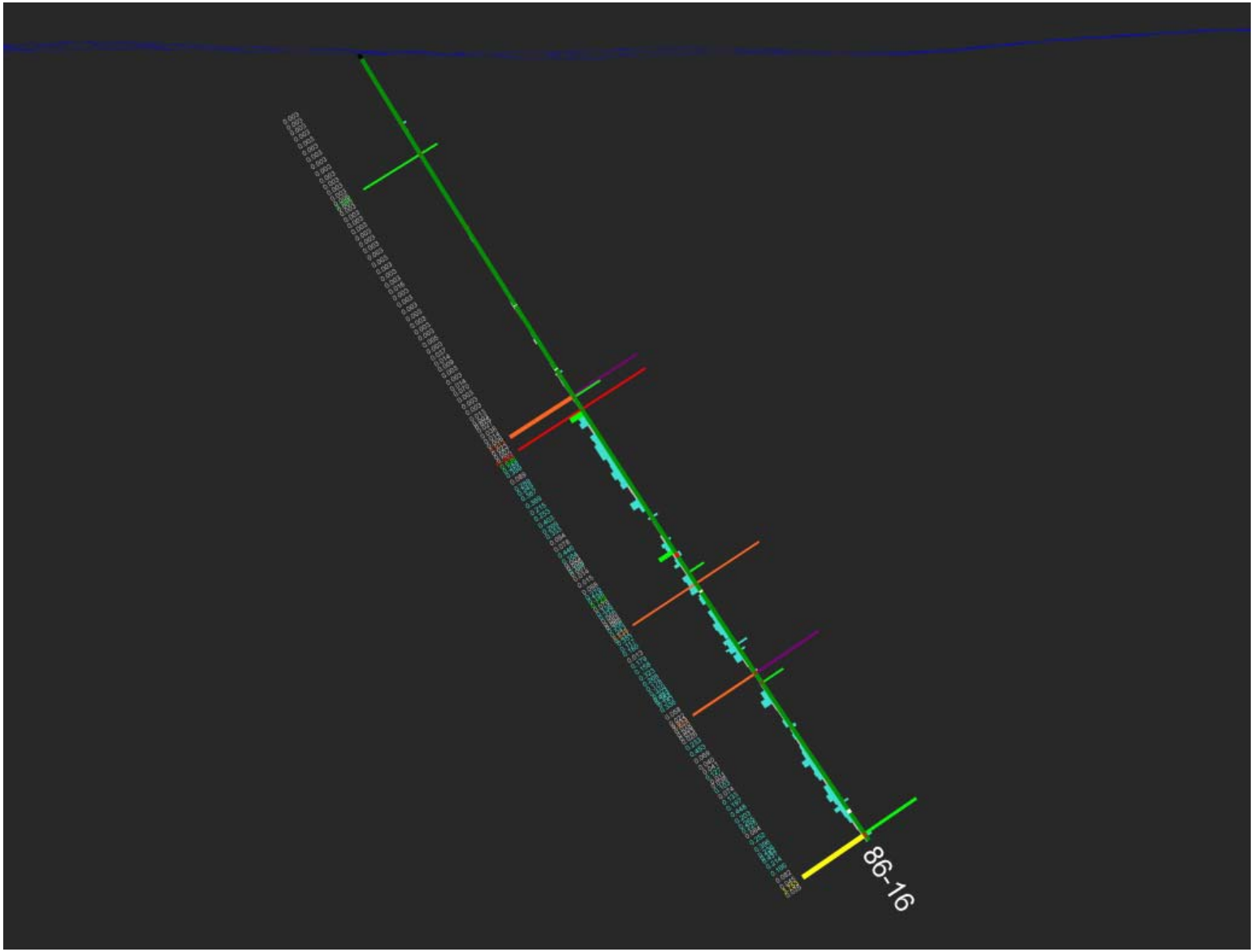

Figure 5 – Cross section 86-16 showing full sampling. Previous sampling is shown on the right-hand side, while 2016 sampling shown on the left with Au values (g/t).

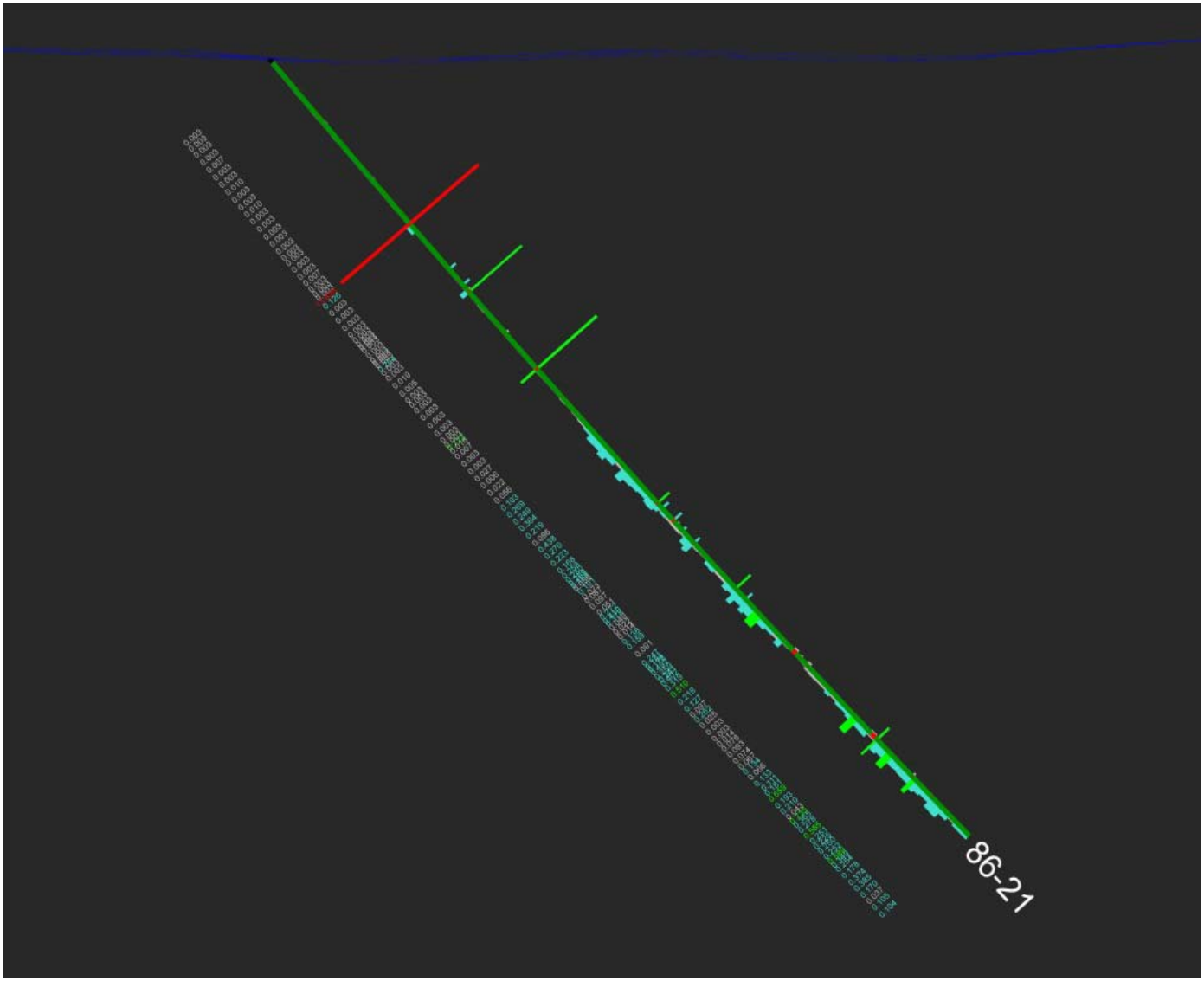

Figure 6 – Cross section 86-21 showing full sampling. Previous sampling is shown on the right-hand side, while 2016 sampling is shown on the left with Au_gpt values.

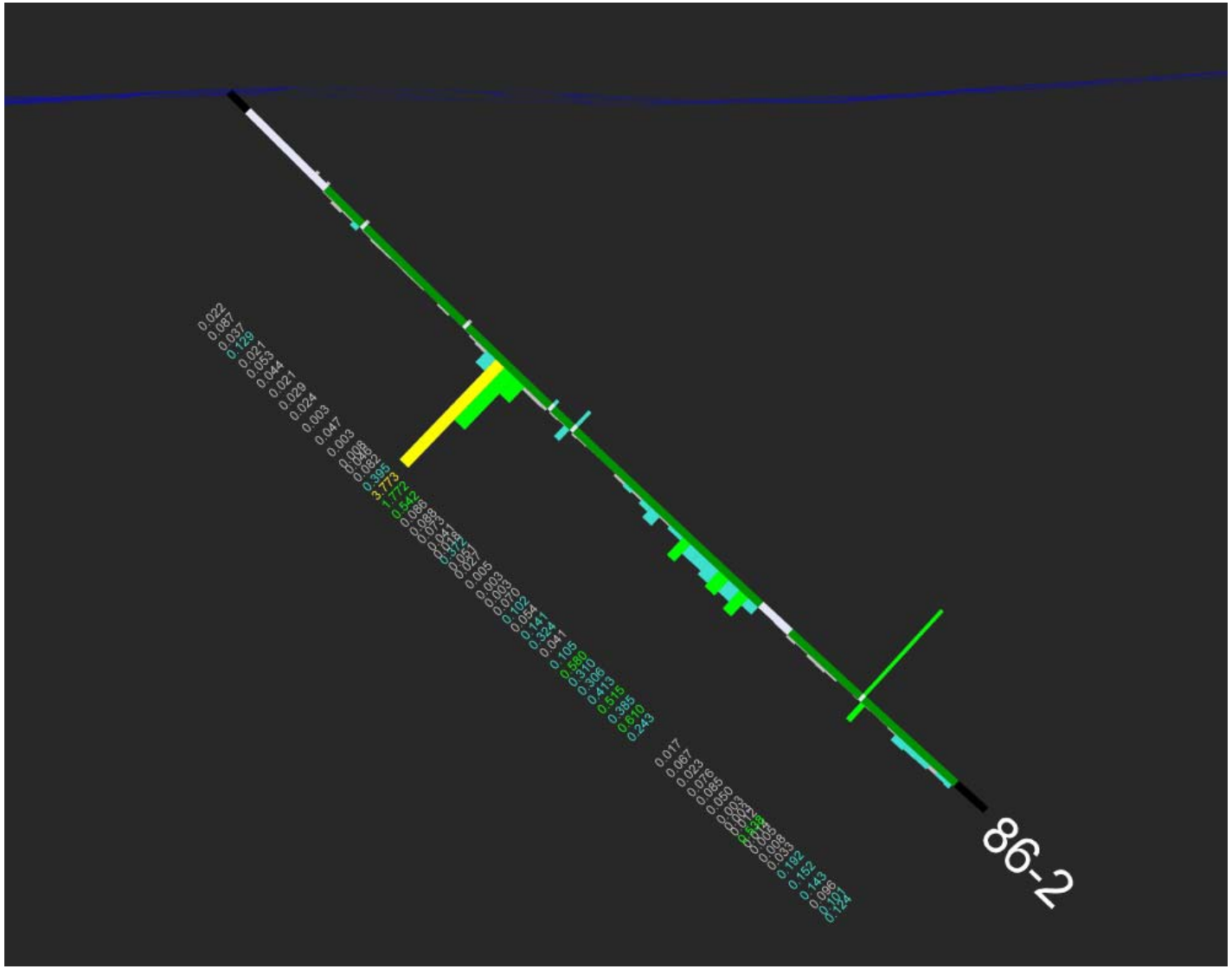

Figure 7 – Cross section 86-2 showing full sampling. Previous sampling is shown on the right-hand side, while 2016 sampling is shown on the left with Au_gpt values.

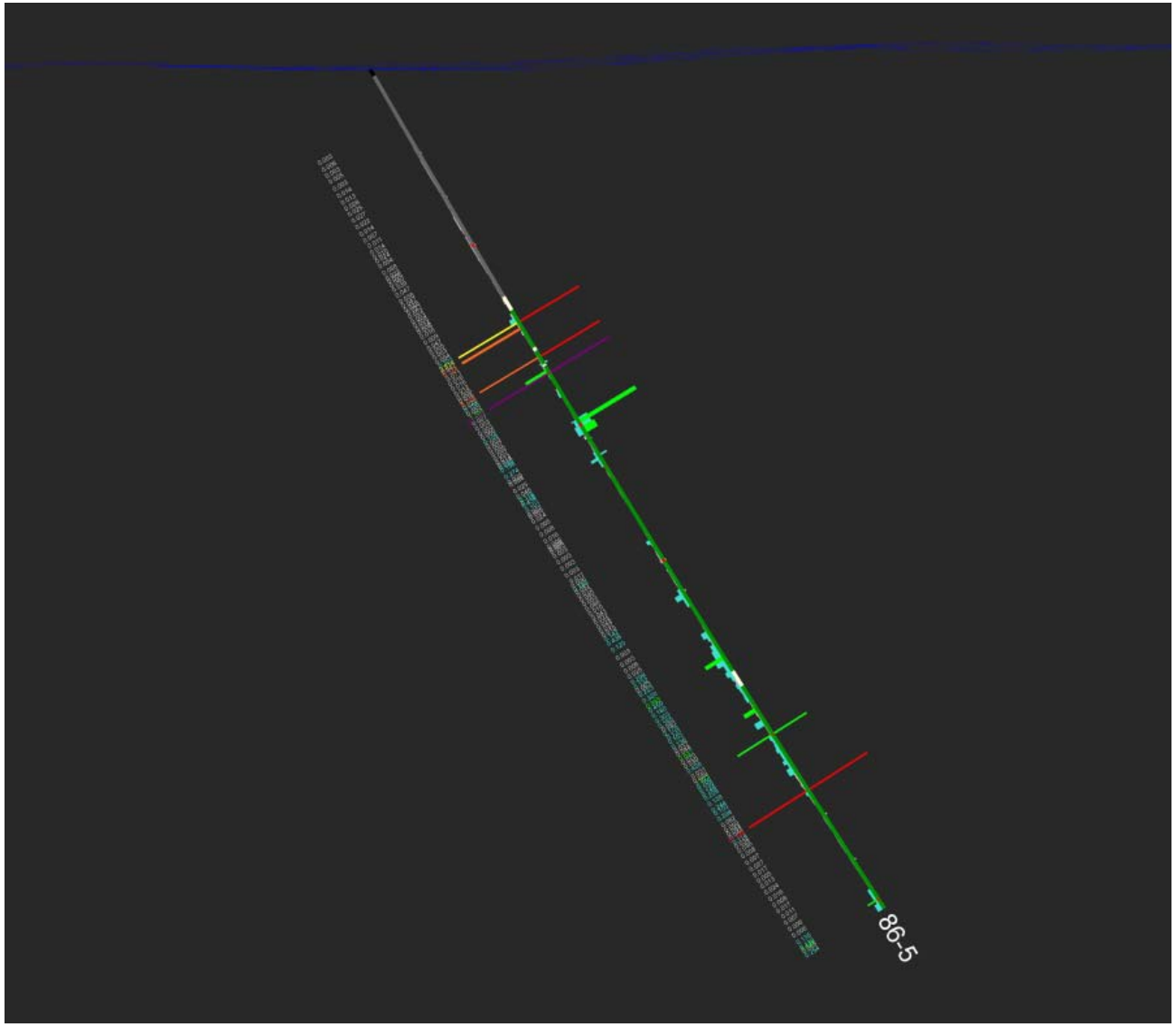

Figure 8 – Cross section 86-5 showing full sampling. Previous sampling is shown on the right-hand side, while 2016 sampling is shown on the left with Au_gpt values.

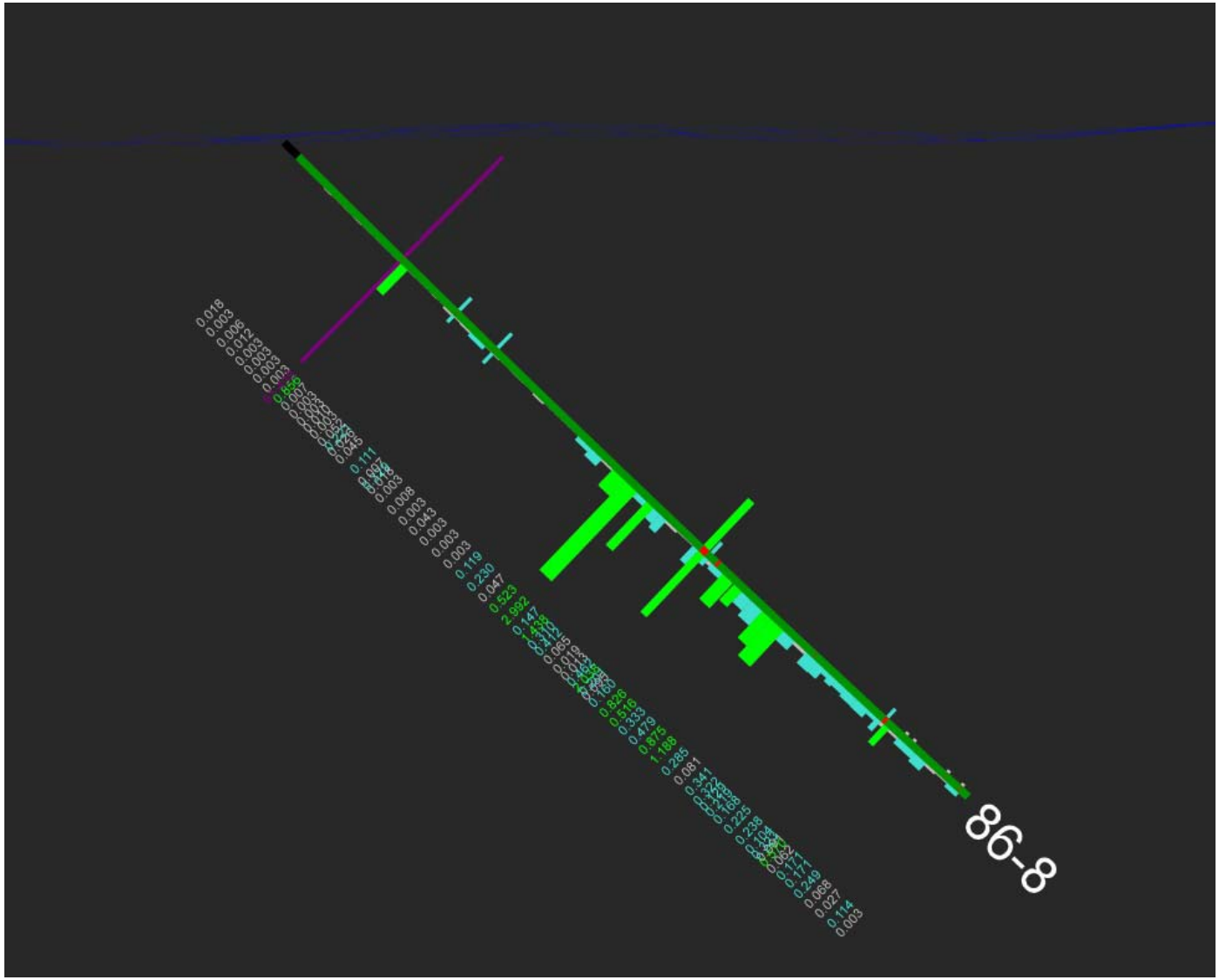

Figure 9 – Cross section 86-8 showing full sampling. Previous sampling is shown on the right-hand side, while 2016 sampling is shown on the left with Au_gpt values.

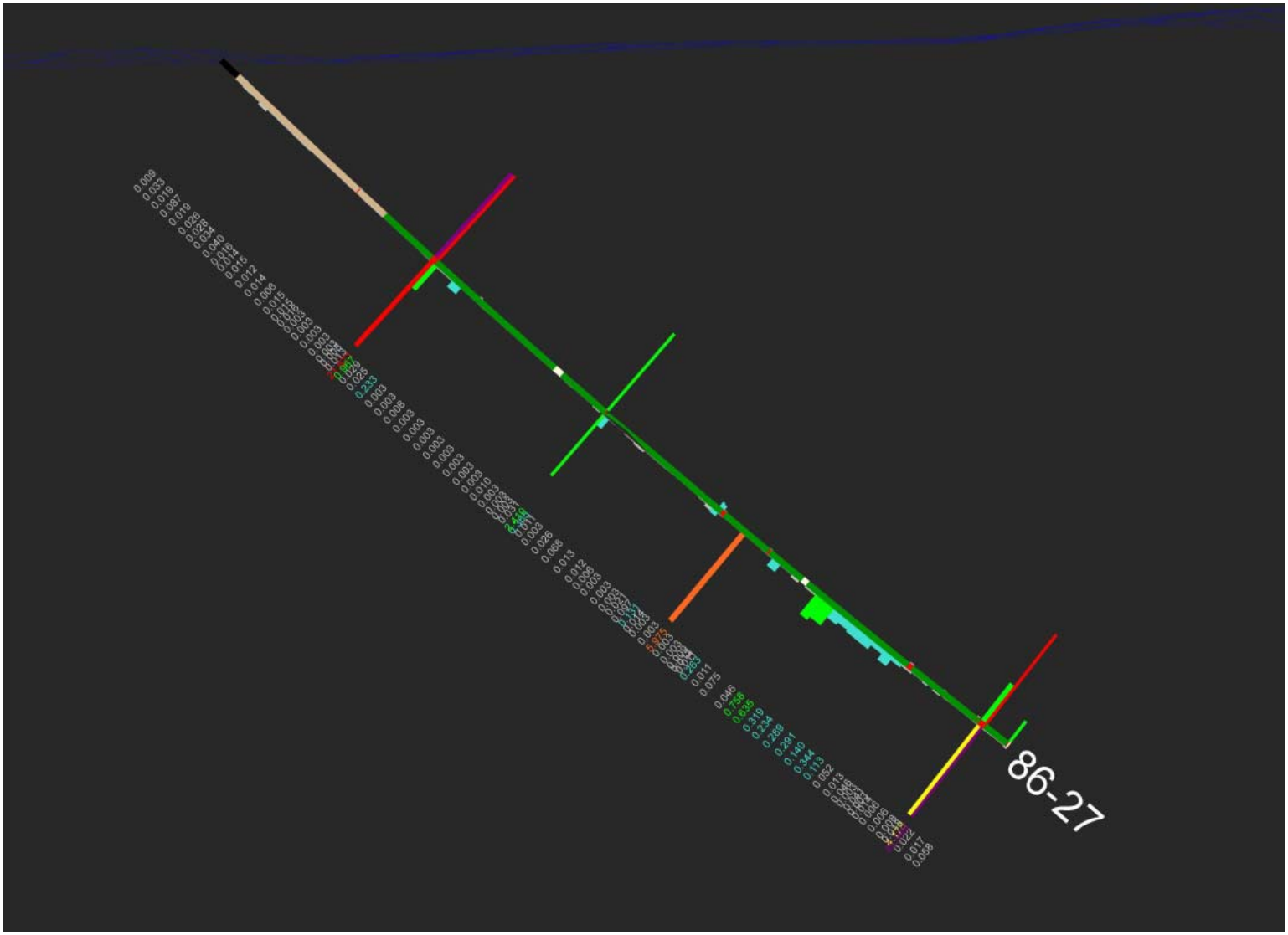

Figure 10 – Cross section 86-27 showing full sampling. Previous sampling is shown on the right-hand side, while 2016 sampling is shown on the left with Au_gpt values.

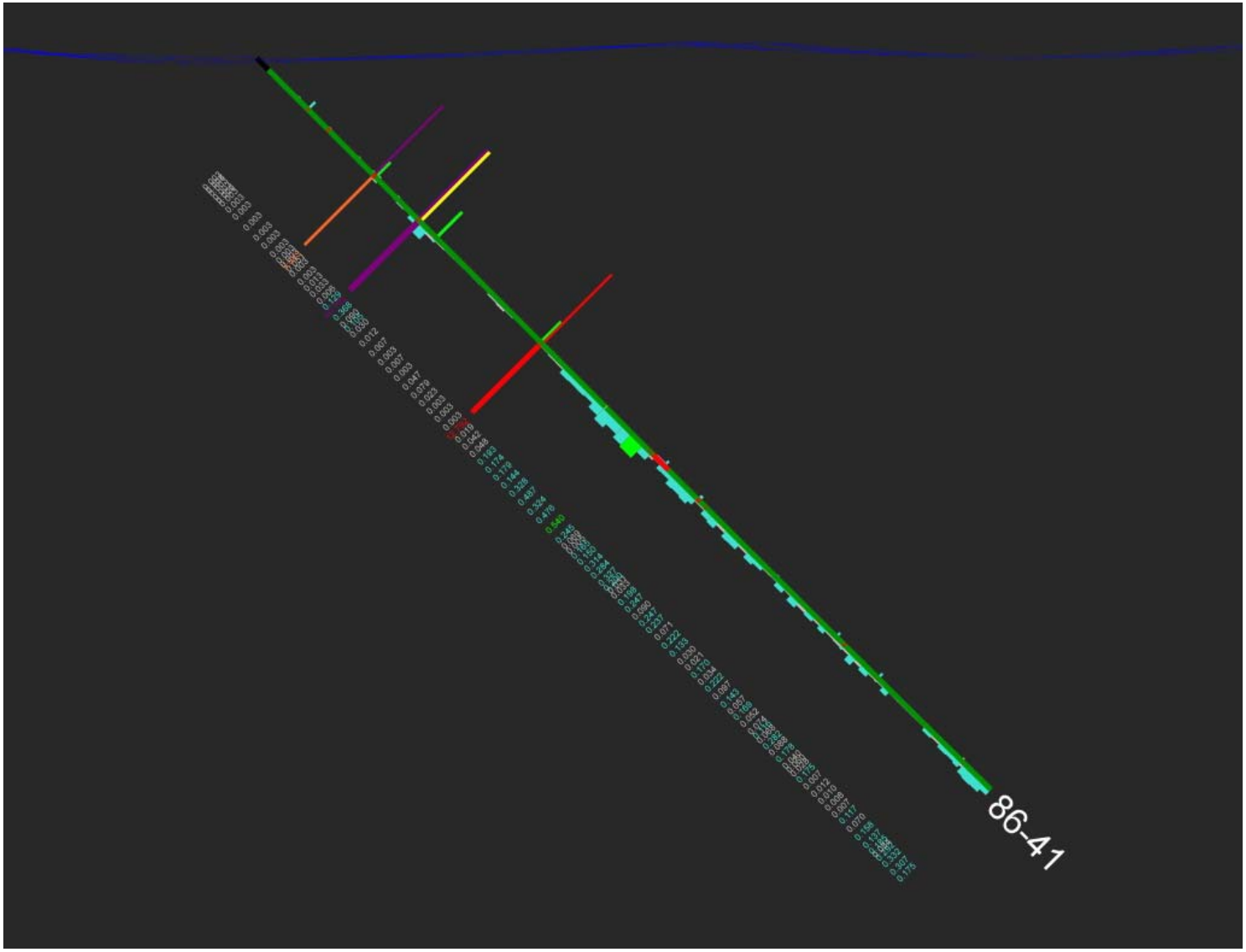

Figure 11 – Cross section 86-41 showing full sampling. Previous sampling is shown on the right-hand side, while 2016 sampling is shown on the left with Au_gpt values.

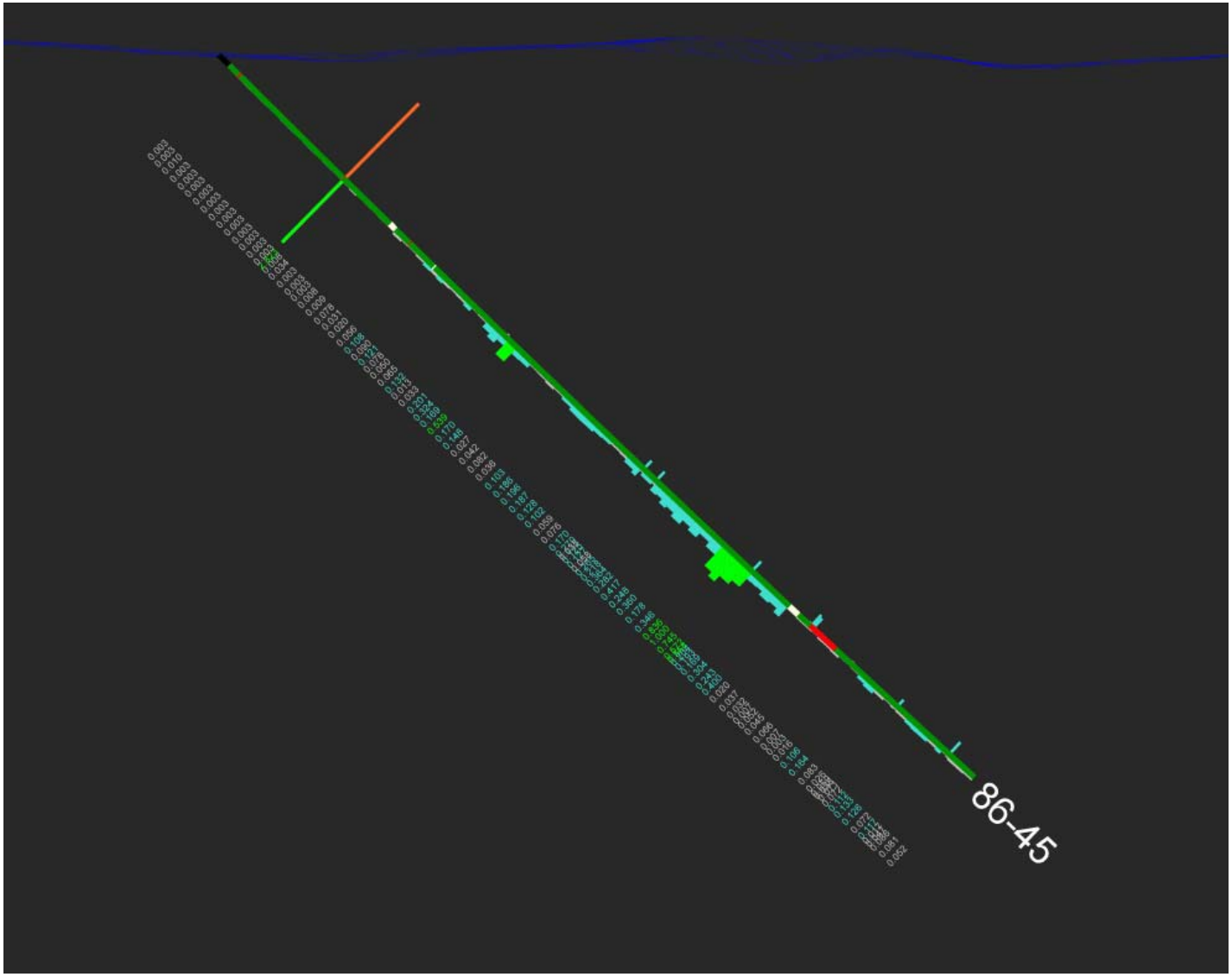

Figure 12 – Cross section 86-45 showing full sampling. Previous sampling is shown on the right-hand side, while 2016 sampling is shown on the left with Au_gpt values.

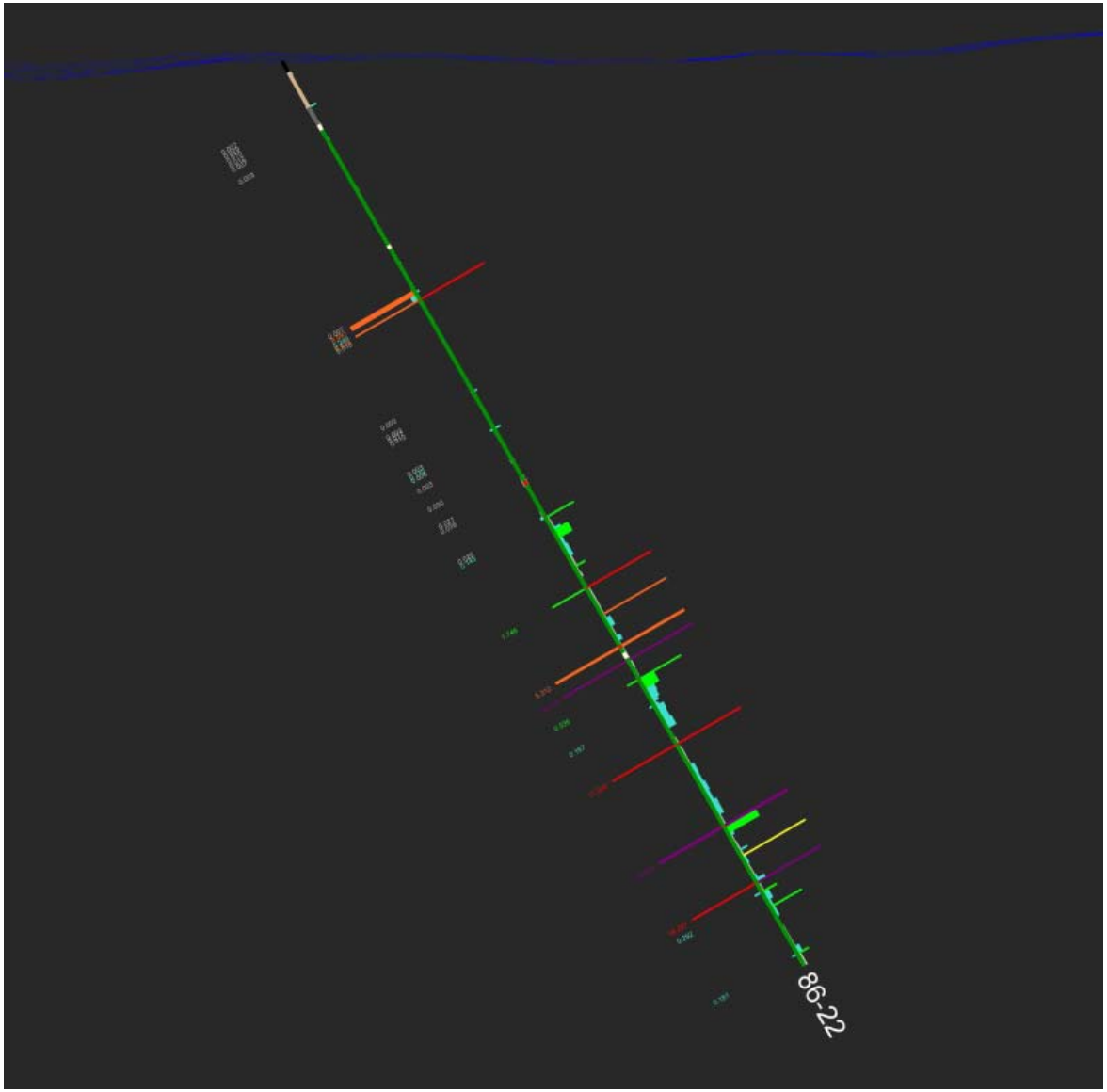

Figure 13 – Cross section 86-22 showing high-grade vein resampling. Previous sampling is shown on the right-hand side, while 2016 sampling is shown on the left with Au_gpt values.

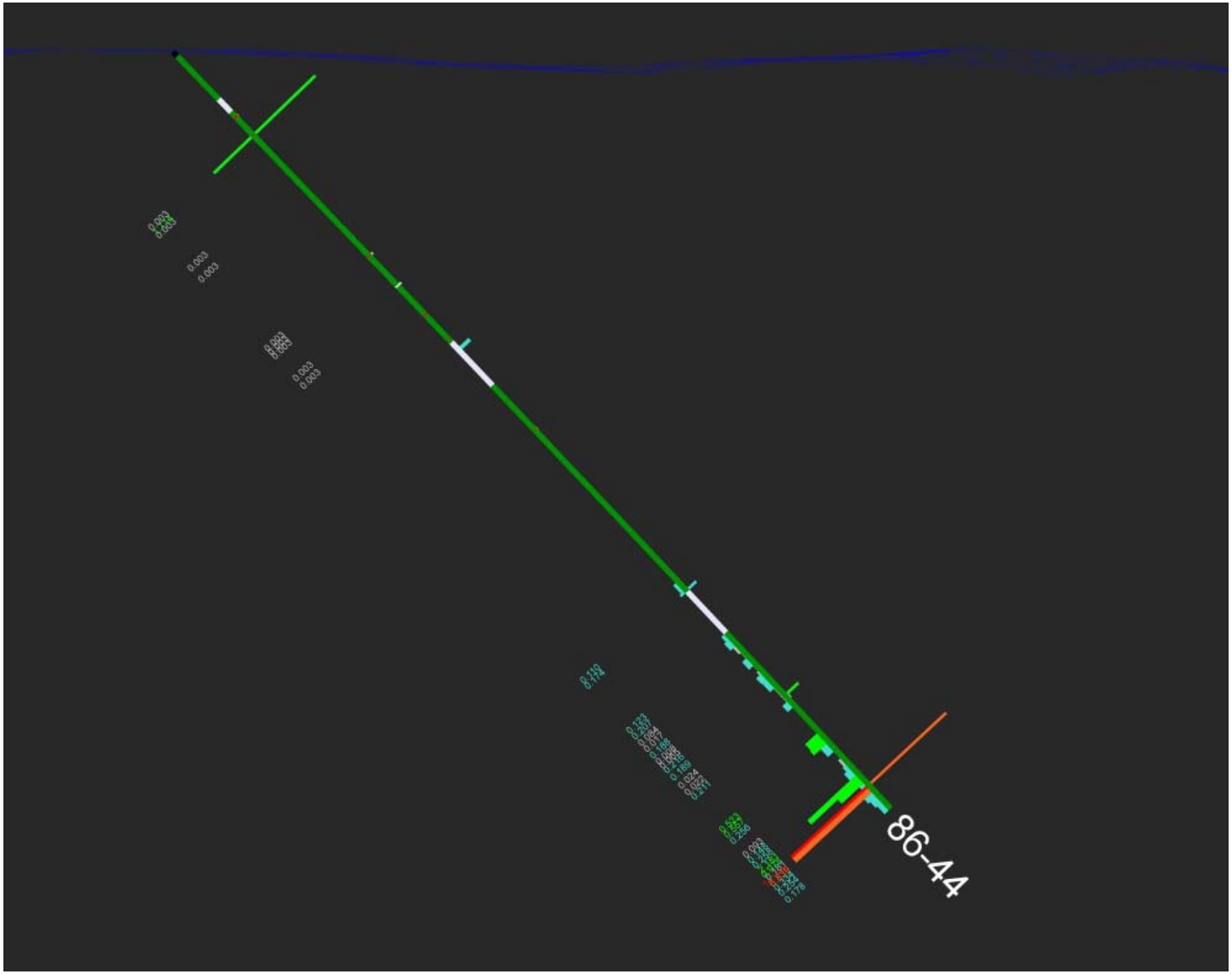

Figure 14 – Cross section 86-44 showing high-grade vein resampling. Previous sampling is shown on the right-hand side, while 2016 sampling is shown on the left with Au_gpt values.

10.2 Updated 3D Model

The updated model indicates a NW-striking body approximately 200 m long and 60 m wide dipping steeply to the NE (Figure 15 and Figure 16). The second phase of sampling has also exposed the possibility of a secondary ‘hanging wall’ zone, named Zone 2 on Figure 17. It suggest a similar trend to the Conduit Zone of a NW striking body dipping steeply to the NE. The thickness of the zone is approximately half of the conduit however the strike seems to be more continuous based on historical high-grade intercepts. There is not enough sampling to the NW to determine a proper orientation.

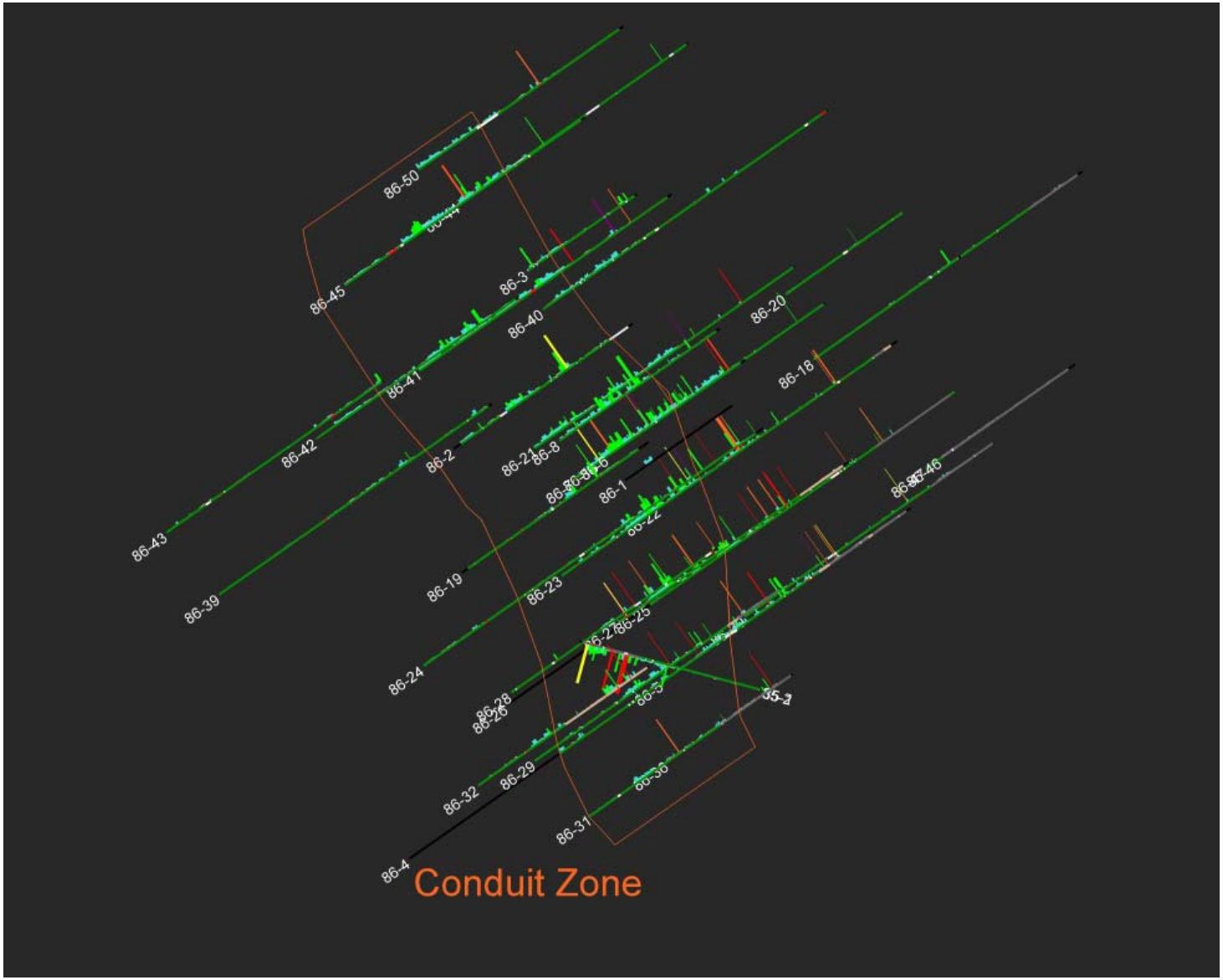

Figure 15 – Distribution of 2016 sampling and Conduit Zone outline (orange object).

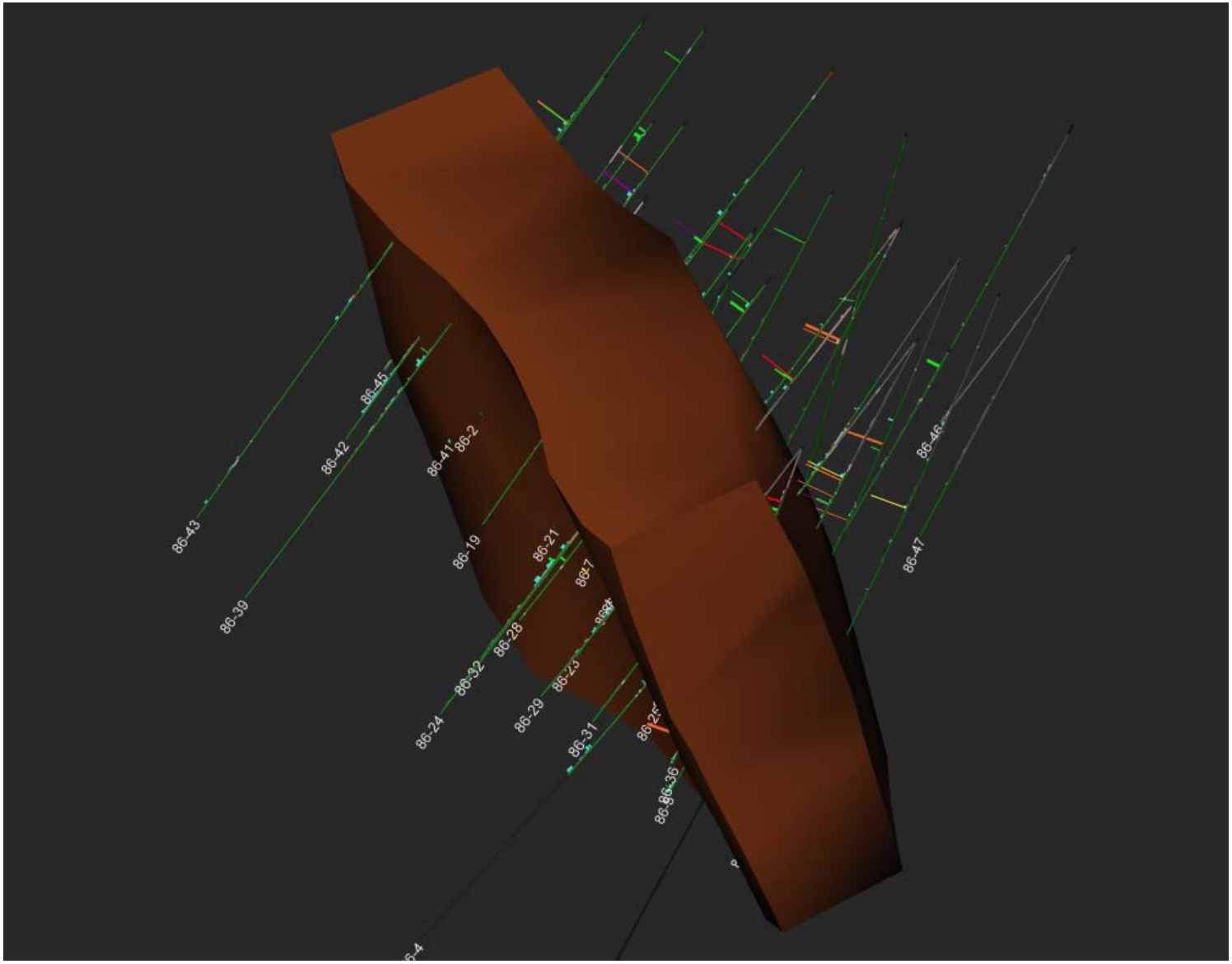

Figure 16 – 3D view of Conduit Zone, looking north. Note high-grade veins on hanging wall side and low-grade mineralization pods continuing with depth.

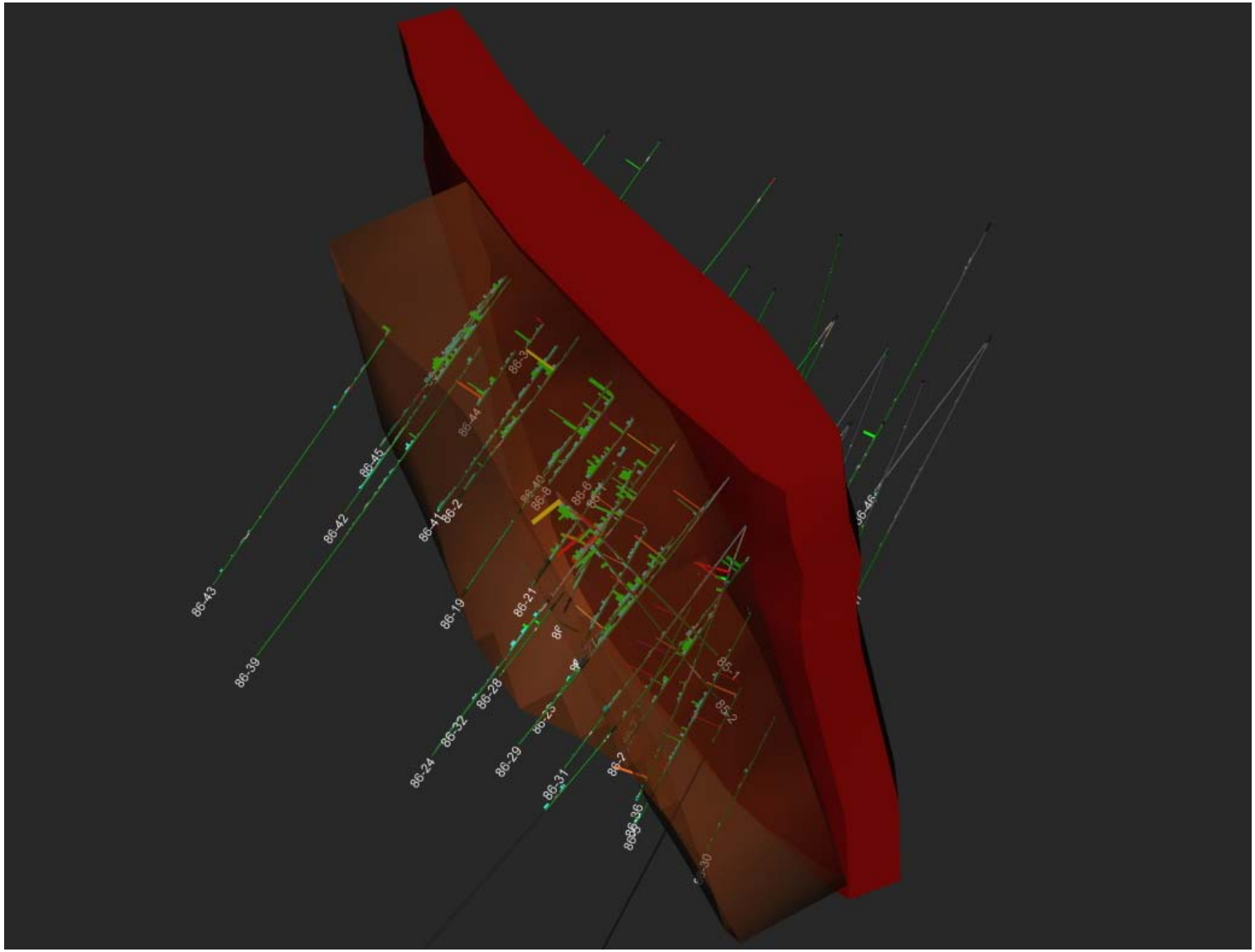

Figure 17 – 3D view of Zone 2, looking north. Conduit Zone is shown with transparency to highlight low-grade and high-grade mineralization.

11 Interpretation and Conclusions

The discrete Conduit Zone of low-grade mineralization and high-grade veining makes the project even more amenable to bulk mining. The 2016 sampling and re-logging continued to define the Conduit Zone with higher confidence and has outlined a hanging wall of high-grade veins. It was successful in enhancing the observations made during the first phase of sampling in 2013 and 2015. The two zones are discrete in nature with the Conduit Zone being more of a favorable host to stockwork-type mineralization. Even though there is evidence of multiple pulses of Au mineralization in both zones, it remains unclear as to why the two zones differ. A combination of lithological differences and/or structural corridor could explain the difference between the zones. More interestingly, the plane of the N-S high-grade veins modeled in 2013 and the new Conduit Zone model is in agreement with the plunge direction of the ore shoots. This is further evidence to support a model where the Conduit Zone is controlling the high-grade ore shoots.

12 Recommendations

With each phase of sampling and re-logging, mineralization trends have grown more robust and continue to be consistent. More than 50% of the historical drill holes still remain unsampled however. It is strongly recommended that continued sampling and re-logging continues on the Bannockburn Gold Project, as it is a very cost-effective way to add gold ounces to the overall potential resource.

More work on the property needs to be done in order to understand the discrete nature of the zones. Additional multi-element geochemical analyses are recommended for the next phase of sampling on the Bannockburn Gold Project, from select samples across the different zones. This type of multi-element low-detection limit analysis can provide geochemical tracer information that provide information that can give a better understanding on the mineralization and structure(s) hosting the zones, and has the potential to better delineate the discrete mineralization events.

Once a complete sample data set is available for all drill holes, a new and updated resource model can then be generated. A deep drilling program of ~2000 m is also recommended, in order to determine the depth potential along the high-grade ore shoots confined to the Conduit Zone.

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14 Appendix I – Eligible Work Expenditures

15 Appendix II – Drillhole Re-logs

DRILL HOLE REPORT

Hole Number **85-1** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 105
Dip: -50
Length: 74.98
Started:
Completed:
Logged: 27-Dec-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -Boxes 1 - 3 & 5 - 8 backwards, core is muddy (dirty), minor reconstruction needed in most boxes

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298056.9
North: 4947273.37
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	105.00	-50.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **85-1** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.22	**Ovb** ***Overburden*** Overburden					
1.22	5.36	**2** ***Meta-Pelitic Sediments (undifferentiat*** broken ground to ~ 7'; med - dk grey banded quartzitic, sericitic & chloritic schists, dense competent rock, some zones appear phyllitic but more app granular, minor dissem blebs py along fol @ 030, some contorted fol, blebs mainly po after 10'; original log states healed shear zone 12.5 - 14', @ 050, condition of highly fractured (core splitting) and dirty core makes it hard to determine this; 14 - 17.6' zone of dk grey qtz/chl schist, contorted fol, minor x-cutting qtz stringers, blebs of po/py increase to 5 - 10%, minor vfg red/brn gt porphyoblasts in chl rich bands; vfg pervasive carbonatization starts @ 16', weak to mod					
5.36	6.71	**10qc** ***Quartz-carbonate Vein*** cts?, wht vfg granular qtz grading to mg qtz, minor carb at cts, much brown rust staining, v minor fg py frac fill near cts, some py cubes (~0.2 mm), near lower ct, minor blebs cpy					
6.71	9.91	**2** ***Meta-Pelitic Sediments (undifferentiat*** dk grn/grey chl schist, well silicified, minor fg red/brn gt dissem along horizons, (up to 1 - 2 mm diam 24' - 26'), fg - mg dissem py ~ 10%, minor cpy + po blebs; fol @ 040 - 045; Qtz/carb vein @ 27.6', conform?, 10 cm, ragged cts, wht fg gran qtz, v minor carb, minor dissem blebs po, minor fg py frac fill; gt grades out ~ 30'	346002 346003	6.71 7.92	7.92 9.42	1.21 1.50	0.301 0.509

LITHOLOGY REPORT
- Detailed -

Hole Number **85-1** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
9.91	10.52	**11s** ***Shear Zone*** fg, dense, dk chl qtzite, mod fol ~060, numerous wht vfg gran qtz pcs, breccia frags, minor gt porphyoblasts, occ ss at low angle to core, some crenulated ss, minor dissem py blebs, tr po + cpy	346004	9.42	10.52	1.10	0.428
10.52	17.25	**2** ***Meta-Pelitic Sediments (undifferentiat*** well fol @ 020, Qtz/carb vein @ 36.0', conform?, ~2.5 cm, wht/grey fg gran qtz, brecciated wall incl along fol, chl incl, qtz frags along vein horizon, f - mg blebs py + po along wall frags and at cts; Qtz/carb vein @ 37.5', conform @ 040, 3 - 3.5 cm, brecciated look, wht fg gran qtz, minor carb, abundant chl slips, ragged cts, minor py; 2 cm zone of abundant gt in well fol chl schist just below vein; 38 - 42' well fol dk grn/grey chl/gt schist, dissem py + po blebs ~ 10%; Qtz stringer @ 39.6', 1 cm, contorted "S" fold, fg; Qtz vein @ 40.6', conform @ 020, 1.5 cm, wht fg qtz, v ragged cts, wht fg fsp seam at upper ct, tr py; brecciated wht qtz frags along fol (healed shear) to 42.0'; 42 - 50' brnish grn/grey bio/chl qtzite, with occ wht carb stringers (~1 mm), dissem blebs py + po ~10%; Qtz/carb vein @ 50.2', conform @ 027, 1.5 cm, vfg wht/grey qtz, minor vfg carb along fol, mild ss at cts, tr vfg sulph; 51 - 56.5' zone of numerous stringer frags (healed shearing?)	346005	10.52	11.89	1.37	0.518
			346006	11.89	13.11	1.22	0.086
			346007	13.11	14.33	1.22	0.023
			346008	14.33	15.54	1.21	0.012
			346009	15.54	16.76	1.22	0.020
			346010	16.76	17.68	0.92	1.650
17.25	17.37	**10qc** ***Quartz-carbonate Vein*** conform?, wht m - cg qtz, cg carb, chl incl, minor blebs fg py, tr cpy, rare py cubes (sub mm), minor vfg marcas (weathered grey powder)					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-1** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
17.37	18.90	**2** ***Meta-Pelitic Sediments (undifferentiat*** Metasediments	346011	17.68	19.20	1.52	0.081
18.90	20.42	**11s** ***Shear Zone*** 62 - 63' wht fg gran qtz frags along fol, healed shear; 63.7 - 64.0' cut core pc (rock analysis?); 64' zone of fg wht fsp porphyoblasts or frags; 64 - 67' brecciated wht fg gran qtz frags along fol, braided tex, brecc frags, numerous ss breaks ~010	346012	19.20	19.84	0.64	24.814
20.42	25.91	**2** ***Meta-Pelitic Sediments (undifferentiat*** banded bio/chl qtzite with fol 010 to 025	346013	19.84	21.03	1.19	24.437
			346014	21.03	22.25	1.22	0.617
			346015	22.25	23.16	0.91	0.077
			346016	23.16	24.38	1.22	0.016
			346017	24.38	25.57	1.19	0.018
25.91	27.74	**1** ***Mafic to Intermediate Volcanics (undif*** dk brnish grn/grey, fg, chl rich GS, occ stringers with and against fol, well carbonatized, well fol @ 050, tr dissem blebs po	346018	25.57	26.82	1.25	0.030
			346019	26.82	28.04	1.22	0.023

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
27.74	28.04	**11s** ***Shear Zone*** healed shear zone?, well fol,bio rich, numerous thin carb stringers/smears along fol and v thin spider web like carb frac fill					
28.04	30.08	**1** ***Mafic to Intermediate Volcanics (undif*** Carb/qtz vein @ 94.5', x-cut @ 060, 1 cm, sharp, wht fg cal, wht/grey fg qtz, minor chl incl, tr sulph; fol @ 025; low angle ss break @ 98.5' (~010)	346020 346021	28.04 29.26	29.26 30.48	1.22 1.22	0.084 0.139
30.08	30.21	**10qc** ***Quartz-carbonate Vein*** conform?, lower ct @ 030, ragged & diffuse, wht mg qtz, minor mg cal at lower ct, tr blebs sulph, v minor fg py frac fill films					
30.21	30.48	**1** ***Mafic to Intermediate Volcanics (undif***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		bio rich; fol increasing with depth ~020 to ~ 030					
30.48	31.09	**11s** ***Shear Zone*** well fol, "speckled" appearance of core due to small frags/blebs of wht qtz, chl/bio frags, wht carb (cal); (original log lists fsp blebs but these are highly reactive to acid) no fsp here; fol ~020; strong pervasive vfg carbonatization	346022	30.48	31.70	1.22	0.021
31.09	36.64	**1** ***Mafic to Intermediate Volcanics (undif*** fol increasing from ~020 to ~030; 109.5 - 112' zone with small qtz frags with chl incl along fol, minor blebs po, py tr cpy; healed shear zone?; well silicified	346023	31.70	32.92	1.22	0.176
			346024	32.92	34.14	1.22	0.231
			346026	34.14	35.36	1.22	0.084
			346027	35.36	36.58	1.22	0.043
36.64	36.82	**10qc** ***Quartz-carbonate Vein*** conform @ 020, wht/grey fg gran qtz, v minor fg carb, minor fg blebs py + po, brecciated look, frac frags of vein along trend, chl incl, minor fg py frac fill films, 15 - 16 cm					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-1** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
36.82	56.88	**1** ***Mafic to Intermediate Volcanics (undif*** Qz/carb vein @ 121.7', conform?, 4 cm, brecciated look, ragged cts, wall + chl incl, wht/grey fg gran qtz, v minor carb, minor blebs sulph; Cal vein @ 124.8', conform @ 025 - 030, 2 cm, wht fg gran cal, tr specks po, sharp cts; fol @ 030 at 125'; Qtz/carb vein @ 142.6', conform @ 045, 5 cm, ragged cts, wht mg qtz, minor carb, chl incl, tr dissem sulph; 143 - 150' zone of occ qtz vein/stringer pcs, (minor shearing), tr dissem sulph; well fol occ stringers and stringer frags, contorted veins/stringers; Qtz/carb vein @ 174.4', x-cut @ 085, 2 cm, wht fg qtz, tr fg carb, NVS; Qtz/carb vein @ 174.7', conform, 5 cm, brecciated along fol, wht fg qtz & carb, braided tex with chl, wall + chl incl, tr fg blebs cpy + po; starting at ~ 180' numerous thin qtz/carb stringers along fol with occ qtz vein pcs; Qtz/carb vein @ 184.2 ', conform?, 5 cm, brecciated, wht fg qtz, rusty fg carb; Qtz/carb vein @ 186.2', conform?, 1 cm, wht fg qtz, rusty fg carb, tr fg po	346028	36.58	37.80	1.22	0.042
			346029	37.80	39.01	1.21	0.064
			346030	39.01	40.23	1.22	0.088
			346031	40.23	41.45	1.22	0.007
			346032	41.45	42.67	1.22	0.032
			346033	42.67	43.89	1.22	0.003
			346034	43.89	45.11	1.22	0.003
			346035	45.11	46.33	1.22	0.003
			346036	46.33	47.55	1.22	0.003
			346037	47.55	48.77	1.22	0.024
			346038	48.77	49.99	1.22	0.009
			346039	49.99	51.21	1.22	0.003
			346040	51.21	52.43	1.22	0.003
			346041	52.43	53.64	1.21	0.014
			346042	53.64	54.89	1.25	0.003
			346043	54.89	56.08	1.19	0.010
			346044	56.08	57.30	1.22	0.059
56.88	57.03	**10qc** ***Quartz-carbonate Vein*** cts?, 10 - 12 cm, wht fg qtz, minor carb, minor blebs fg po, tr cpy					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-1** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
57.03	74.98	**1** ***Mafic to Intermediate Volcanics (undif*** continuing numerous qtz/carb stringers along fol with occ qtz vein frags to ~ 203'; Qtz/carb vein @ 201.0', conform, boudinaged frags along trend, ~ 20 cm, frags in chl matrix, wht f - mg qtz, rusty f - mg carb, tr py; Qtz/carb vein @ 205.6', conform?, 9 cm, wht f - mg qtz, tr fg carb, tr sulph, brecciated; Qtz/carb vein @ 240.6', conform @ 025, 1 - 1.5 cm, wht/grey fg qtz, wht fg carb, NVS; Qtz/carb vein frag ~2 cm, @ 242.8', wht/grey fg qtz, tr fg sulph, pinches at either end; Qtz/carb vein @ 244.4', conform @ 025, 0.5 - 1 cm, ragged cts, pinch & swell, NVS; EOH @ 246.0'	346045	57.30	58.52	1.22	0.017
			346046	58.52	59.74	1.22	0.003
			346047	59.74	60.96	1.22	0.005
			346048	60.96	62.18	1.22	0.003
			346049	62.18	63.40	1.22	0.005
			346051	63.40	64.62	1.22	0.010
			346052	64.62	65.84	1.22	0.012
			346053	65.84	67.06	1.22	0.003
			346054	67.06	68.28	1.22	0.003
			346055	68.28	69.49	1.21	0.003
			346056	69.49	70.71	1.22	0.003
			346057	70.71	71.93	1.22	0.003
			346058	71.93	73.15	1.22	0.003
			346059	73.15	74.07	0.92	0.011
			346060	74.07	74.98	0.91	0.021

DRILL HOLE REPORT

Hole Number **85-2** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 105
Dip: -60
Length: 89.92
Started:
Completed:
Logged: 27-Dec-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment:
-All boxes backwards, original box labelling visible, most core interval blocks present
-Very dirty core, mostly split already (from 1985)
-cut core section ~19.7 - 20.0' (done for whole rock analysis?)
-Core boxes have to be vacuumed, rinsed, minor reconstruction in areas

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298056.9
North: 4947273.37
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	105.00	-60.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **85-2** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.22	**Ovb** ***Overburden*** Overburden					
1.22	3.51	**2r** ***Rusty Schist*** broken, highly fissile and degraded core to ~ 15', abundant yellow rust staining 7 - 11' and 15 - 17'; lt to dk, fg, banded qtzitic and sericitic schists, soft fissile to competent, well fol with minor dissem py blebs along fol					
3.51	5.18	**10qc** ***Quartz-carbonate Vein*** conform?, wht f - mg massive qtz, rusty, pits of weathered out carb which show euhedral mg qtz up to 3 mm, abundant cg py, minor mg cpy, minor fg marcas (some weathered cavities of grey powder, cts unclear (missing pcs?)	346061	3.66	5.24	1.58	3.518
5.18	8.44	**2r** ***Rusty Schist*** chl rich phyllitic schist, fg blebs po + py along fol ~ 25%, slightly rusty; 20.7' zone ~ 4 cm enclosing ~1 cm zone brecciated qtz/carb vein, wht m - cg qtz, cg carb, abundant cg py blebs up to 5 - 10 mm, qtz, carb and py frags; sulph content drops to ~1% at ~23'	346062 346063 346064	5.24 6.10 7.32	6.10 7.32 8.53	0.86 1.22 1.21	0.482 0.784 0.674

LITHOLOGY REPORT
- Detailed -

Hole Number **85-2** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
8.44	8.60	**10qc** ***Quartz-carbonate Vein*** conform, ~12 cm, wht f - mg qtz, ragged cts, minor shearing and brecc, wall + chl incl, minor fg po at cts, v minor fg py frac fill films					
8.60	22.86	**2** ***Meta-Pelitic Sediments (undifferentiat*** minor fg (0.2 - 0.6 mm) rd/brn gt anhedral porphyoblasts appear along horizons; 29 - 33', dissem po blebs increase to ~ 35%, gt off & on; ~30 - 34' zone of small qtz vein frags along fol; Qtz/carb vein @ 31.6', cts?, wht f - mg qtz & carb, tr blebs sulph; 33.5 - 34.5' abundant gt up to 2 mm diam, in chl schist; 36 - 37' pervasive vfg carbonatization begins, patchy, weak to mod, core vfg, dense chl schist with tr dissem po, weak to mod fol @ 010, occ vein pcs/frags (minor shearing); Qtz/carb vein @ 56.2', conform?, 10 cm, wht f - mg qtz, v ragged cts, minor blebs po + py; well fol chl schist with occ qtz vein frags; Qtz/carb vein @ 59.0', x-cut @ 025, ~ 2.5 cm, v diffuse cts, fg, NVS; brnish grn/grey (minor bio) no	346065	8.53	9.45	0.92	1.215
			346066	9.45	10.67	1.22	0.578
			346067	10.67	11.89	1.22	0.210
			346068	11.89	12.80	0.91	0.005
			346069	12.80	14.02	1.22	0.010
			346070	14.02	15.24	1.22	0.019
			346071	15.24	16.40	1.16	0.015
			346072	16.40	17.37	0.97	0.065
			346073	17.37	18.59	1.22	11.627
			346074	18.59	19.90	1.31	0.055
			346076	21.64	22.86	1.22	0.116

LITHOLOGY REPORT
- Detailed -

Hole Number **85-2** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
22.86	30.24	**1** ***Mafic to Intermediate Volcanics (undif***	346077	22.86	24.08	1.22	0.485
		no distinct ct, fg brnish grn/grey well fol chl rich schist with occ contorted stringers up to 5 mm wide, minor folding; distinct "S" folded qtz strimger @80'; mod to strong pervasive carbonization; numerous thin qtz/carb stringers along fol, bio rich; some missing core pcs 99 - 100'	346078	24.08	25.21	1.13	2.680
			346079	25.21	26.21	1.00	0.307
			346080	26.21	27.43	1.22	0.267
			346081	27.43	28.65	1.22	0.100
			346082	28.65	29.87	1.22	0.029
30.24	30.36	**10qc** ***Quartz-carbonate Vein***					
		cts unclear (missing pcs?), v irreg, wht f - mg qtz, minor carb at upper ct, minor chl incl, minor py, 10 cm, fol ~050					
30.36	31.39	**1** ***Mafic to Intermediate Volcanics (undif***	346083	29.87	31.00	1.13	0.686
		silicified chl schist	346084	31.00	31.49	0.49	0.191
31.39	31.79	**10qc** ***Quartz-carbonate Vein***	346085	31.49	31.76	0.27	0.012
		appears conform but cts ragged, wht/grey fg gran qtz, abundant chl incl, diffuse looking,minor fg carb at cts with minor fg po blebs, tr fg py frac fill films					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-2** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
31.79	61.90	**1** ***Mafic to Intermediate Volcanics (undif*** minor core grinding at break @ 104.7'; Qtz/carb vein @ 104.8', conform @ 030, 1 cm, ragged, sheared look, wht/grey fg gran qtz, minor fg carb, NVS, but wall rock has minor blebs py + po; occ carb rich stringers; 132.7 - 133.7' zone of numerous thin 2 - 3 mm stringers conform @ 027 of fg cal (old shear zone ?), no sign of ss or movement (healed?); grey fg gran siliceous ("cherty") zone @ 136.0', 16 cm, conform, tr fg dissem sulph; Qtz/carb vein @ 140.2', 2.5 cm, irreg, ragged cts, wht f - mg qtz, minor carb, minor dissem blebs po at cts; 140.2 - 150' zone of occ vein frags, wht fg qtz, rare mg qtz with minor blebs po + py (healed shear?); Qtz/carb vein @ 151.5', conform? @ 025, 1.5 cm wht f- mg qtz, minor carb, minor mg py, tr cpy, ragged cts; continue with occ qtz vein pcs and minor blebs sulph; 157 - 159' zone of numerous 5 - 10 mm stringers/veins, conform @ 027, wht f - mg qtz + carb, chl incl, minor blebs py |(old shear?); Qtz/carb vein @ 161.7', conform?, 5 cm, wht f - mg qtz, minor carb, chl incl, minor blebs py; Qtz/carb vein @ 162.5', conform, 2 cm, wht fg qtz, diffuse cts, minor carb, tr py, minor fg blebs py in wall rock; 5 cm qtz frag @ 176.2', cwht cg qtz/carb, chl incl, minor mg po; grey fg gran sil zone @ 188.4 - 189.5', conform, minor fg dissem o along fol	346086	31.76	32.31	0.55	0.069
			346087	32.31	32.86	0.55	0.138
			346088	32.86	33.89	1.03	0.175
			346089	33.89	35.05	1.16	0.140
			346090	35.05	36.33	1.28	0.057
			346091	36.33	37.58	1.25	0.085
			346092	37.58	38.71	1.13	0.115
			346093	38.71	39.78	1.07	0.026
			346094	39.78	40.90	1.12	0.012
			346095	40.90	42.06	1.16	0.072
			346096	42.06	43.07	1.01	0.025
			346097	43.07	44.20	1.13	0.033
			346098	44.20	45.42	1.22	0.183
			346099	45.42	46.33	0.91	1.934
61.90	61.97	**10qc** ***Quartz-carbonate Vein*** x-cut @ 042 against fol (fol @ 028), ~7 cm, wht cg qtz, abundant cg po, minor py + marcas, minor carb along cts, v rusty, rare subhedral py					
61.97	73.24	**1** ***Mafic to Intermediate Volcanics (undif*** 205 - 208' occ vein frags along fol, wht fg qtz; wht/grey fg gran sil zone @ 214.0', 8 cm, conform, NVS; Qtz/carb vein @ 224.0', x-cut @ 045, 2.5 cm, ragged cts, wht fg qtz, tr vfg carb, NVS; Qtz/carb vein @ 231.0', conform @ 020, 1 - 1.5 cm, boudinaged, wht fg qtz, chl incl, NVS; occ vein frags along fol; Qtz/carb vein @ 239.5', conform @ 027, boudinaged, 5 - 8 mm, pich & swell; irreg, wht mg qtz, minor					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		carb, NVS					
73.24	73.82	**10qc** ***Quartz-carbonate Vein*** upp ct missing, lower ct @ 085, appears conform, but fol changes around vein and has general 030 trend, wht mg qtz, chl incl, minor chl slips, v minor fg py frac fill films, minor dissem blebs cpy + py					
73.82	74.98	**1** ***Mafic to Intermediate Volcanics (undif*** bio rich (f - mg) below vein above (240.3'), well fol @ 035, occ small stringer /vein frags along fol, well carbonatized; Qtz/carb vein @ 243.2', conform, 5 cm, wht fg qtz, minor carb, irreg, sheared, bio incl, minor blebs po; Seam of cpy/py @ 246.2', 2 - 3 mm,x-cut at low angle, tr cube develop't					
74.98	80.92	**11s** ***Shear Zone*** sheared, brecciated looking, random fine frac fills of fg cal, abundant stringer/vein frags along fol, occ mild ss core breaks; 255.6 - 256.2' sheared block?, cts @ 020, fol through zone ~ 030 - 040, well fol, bio rich with abundant fine cal stringers and smears (speckled look), tr sulph; 256.2 - ~260' core breaks show mild ss & crenulated ss and numerous thin stringers showing "S" folding, boudins, contortions, minor dissem blebs po + py; Qtz/carb vein @ 261.0', x-cut @ 045, 1 cm, wht fg qtz, fg carb, minor fg py					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-2** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
80.92	81.17	**10qc** ***Quartz-carbonate Vein*** conform?, cts diffuse, massive wht fg qtz, minor fg carb, abundant wall + chl incl at cts, tr fg py frac fill films					
81.17	89.92	**1** ***Mafic to Intermediate Volcanics (undif*** occ stringers and smears, mainly 2 - 3 mm, up to 0.5 - 1 cm, along fol, well fol @ 035; EOH @ 295.0'					

DRILL HOLE REPORT

Hole Number **85-3** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 105
Dip: -50
Length: 71.93
Started:
Completed:
Logged: 28-Nov-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -Most core boxes backwards, originalbox labelling visible, many interval blocks intact, (boxes 10 - 12 OK)
-very dirty core requiring vacuuming, rinsing, occ reconstruction
-No samples collected during 2016 resampling program

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298068.78
North: 4947291.27
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	105.00	-50.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **85-3** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	2.13	**Ovb** ***Overburden*** O/B to 5.5', casing to 7.0'					
2.13	11.92	**1** ***Mafic to Intermediate Volcanics (undif*** fg dk grn/grey bio rich GS schist with occ stringers and smears in mod to well fol ~020, pervasively mod to poor carbonatization, carb mainly restricted to stringers & veins; Qtz/carb vein @ 13.8', conform @ 020, 1 cm, wht fg qtz, minor fg carb, chl incl, sharp cts, tr fg py; grey/wht fg granular sil zone (chert zone) @ 18.1', 20 cm, upp ct @ 035 with ss, lower ct looks to grade into wht fg qtz vein, diffuse cts, tr fg py frac fill films, minor vfg carb; 26' - 39' fol @ 000 - 005, core appears speckled with disem flattened blebs of wht carb, minor dissem po; Carb/qtz vein @ 36.0', x-cut @ 040, 5 mm, slightly boudinaged, minor wht m - cg qtz, ragged, tr mg - fg po					
11.92	12.10	**10qc** ***Quartz-carbonate Vein*** conform & x-cut features, qtz vein or cherty contact zone ?, grey fg - mg qtz, minor vfg carb, conform upp ct @ 040, minor blebs po, lower ct conform @ 025, tw ~15 cm, cts show ss with thin py films					
12.10	14.30	**1** ***Mafic to Intermediate Volcanics (undif*** fol returns to ~ 015; Qtz/carb vein @ 42.7', x-cut @ 035, 2 - 4 cm, wht mg qtz, minor mg carb, chl incl, minor fg blebs py, minor fg py frac fill, lower ct minor blebs cpy, tr blebs aspy?, upp ct shows 1 mm cpy seam and qtz augen; 43 - 44.5' well fol with numerous 1 - 2 mm qtz/carb stringers along fol@ 020 (minor					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		shearing?); Qtz/carb vein @ 43.6', 1 - 1.5 cm, sheared, braided tex with brecc frags of qtz + carb, minor po/py, some mild ss breaks; edge of qtz/carb vein @ 45.3', upp ct ~015, v ragged irreg, f - mg wht qtz, minor mg carb, minor fg py frac fill, small vug (3 x 3 mm) weathered out carb or py?, ss zones along upp ct and in wall rock around frag					
14.30	14.48	**10qc** ***Quartz-carbonate Vein*** x-cut @ 030, upp ct shows multiple ss @ 030, vein orientation changes, lower ct ss @ 025 - 020, wht mg qtz, minor mg carb, minor fg py frac fill + blebs at ct, ch + wall incl along 010 fol, tr blebs po + cpy					
14.48	14.72	**1** ***Mafic to Intermediate Volcanics (undif*** fol @ 020					
14.72	15.03	**10qc** ***Quartz-carbonate Vein*** upp ct missing, lower ct ~020, wht mg qtz, minor carb with dissem blebs py/po and two specks VG at lower ct, minor fg py frac fill, minor wall incl,					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-3** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
15.03	17.83	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 50.1', conform @ 020, 1 cm pinching to 3 mm, wht mg qtz, wht mg carb, minor fg po, minor frac fill films py; 50 - 58' well fol @ 020, with stringer and angular vein frags along fol					
17.83	18.01	**10qc** ***Quartz-carbonate Vein*** upp ct missing, lower ct crenulated ss @ 050, 15 - 18 cm, wht f - mg qtz, v minor fg carb, tr py frac fill films					
18.01	18.17	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 59.3', x-cut @ 050, 3 cm, wht mg qtz, wavy but sharp cts, v minor carb, NVS					
18.17	18.44	**10qc** ***Quartz-carbonate Vein*** upp ct missing, lower ct x-cut @ 030, wht mg qtz, v minor py frac fill films, minor cg carb with minor py blebs and fg frac fill films at lower ct, minor po blebs					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-3** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
18.44	18.87	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
18.87	19.08	**10qc** ***Quartz-carbonate Vein*** cts @ 030, grey to wht fg gran qtz, minor fg carb, minor mg po blebs, vfg chl incl along fol, vfg dissem po, v minor fg py frac fill films, fg bio incl, cts diffuse					
19.08	22.22	**1** ***Mafic to Intermediate Volcanics (undif*** fol to 040 at 64'					
22.22	22.95	**10qc** ***Quartz-carbonate Vein*** conform @ 045, irreg, wht/grey mottled fg gran qtz, minor fg carb, minor blebs po, tr vfg py frac fill films, minor vfg dissem py cubes (sub mm), lower ct appears ~030					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-3** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
22.95	46.79	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 136.5', 3 - 6 mm, x-cut slightly, wht mg qtz + carb, NVS; fol ~ 045; Qtz/carb vein @ 138.3', x-cut @ 075, 2.5 cm, boudinaged, wht mg qtz + carb, pinched, NVS; Qtz/carb vein @ 139.6', x-cut @ 020, 0.5 cm, chl incl along fol, healed seam through middle of vein ~0.5 mm of cal + py; Qtz/carb vein @ 150.7', x-cut @ 075, 2 cm, wht mg qtz, tr carb, minor py frac fill films; numerous thin stringers to ~ 153.5'					
46.79	47.15	**10qc** ***Quartz-carbonate Vein*** upp ct missing, lower ct ss @ 025 - 030, massive wht mg qtz, v minor carb, v minor py frac fill films at upp ct, cg carb with fg py blebs and frac fill near lower ct					
47.15	60.47	**1** ***Mafic to Intermediate Volcanics (undif*** numerous thin stringers along fol @ 030 - 040; grey/wht fg gran sil zone (chert zone) @ 168.5 - 168.9', alt layers wht and grey, mm scale, vfg carb in micro frac fill, NVS; grey gran sil zone @ 169.5 - 169.7', conform, NVS; 176' - 196' well fol, occ stringer/vein frags, numerous thin conform stringers conform @ 040; grey fg gran sil zone @ 196.2', encloses Qtz vein @ 196.3', x-cut @ 090, 2.5 cm, wht mg qtz, v minor fg py frac fill, minor fg dissem py blebs, tr po, diffuse cts; sil zone below vein carries minor blebs py + rare cubes upto 1 mm, tr blebs po					
60.47	60.93	**10qc** ***Quartz-carbonate Vein***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		upp ct unclear (missing pcs?), irreg, wht mg qtz, cg carb with mg po + cpy blebs, chl incl, minor fg py frac fill films, carb bleb (~2 cm) with minor fg po, tr cpy, minor silvery grey aspy?, poss VG?, lower ct missing					
60.93	61.66	**1** ***Mafic to Intermediate Volcanics (undif*** occ qtz frags along fol; Qtz vein @ 201.2', cts?, wht fg qtz, wall incl, tr dissem sulph; 201.5 - 202.3' v silicified zone with thin x-cutting veinlets					
61.66	61.87	**10qc** ***Quartz-carbonate Vein*** cts missing, milky to grey fg gran qtz, minor fg carb, NVS					
61.87	65.68	**1** ***Mafic to Intermediate Volcanics (undif*** siliceous GS; grey fg gran sil zone @ 203.6 - 203.8', NVS; Qtz/carb vein @ 204.0', conform? @ 020, 5 - 10 mm, grey fg qtz, wht fg carb, wall incl along fol, NVS; grey fg gran sil zone or vein? @ 204.5 - 205.0', brecc pcs in bio rich matrix, chl incl, NVS, minor po blebs in matrix; Qtz/carb vein @ 207.7', conform?, ~5 mm, slightly brecc along 025, wht mg qtz, minor carb, ragged cts, NVS; well fol mg chl rich schist with tr dissem fg po blebs					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-3** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
65.68	66.60	**10qc** ***Quartz-carbonate Vein*** upp ct?, massive wht fg gran qtz, minor fg gran carb, mottled grey in qtz, lower ct @ 080, NVS					
66.60	67.33	**1** ***Mafic to Intermediate Volcanics (undif*** fol @ 045 - 050 at 219'					
67.33	67.67	**10qc** ***Quartz-carbonate Vein*** conform @040, grey/wht fg gran qtz, v minor fg carb, minor fg dissem po, minor chl incl, NVS					
67.67	71.93	**1** ***Mafic to Intermediate Volcanics (undif*** ~229 - 236' core has grey highly siliceous look with minor brn bio, well fol, minor dissem po blebs; Qtz frag @ 232.2', ~ 5 cm, boudinaged pc; EOH @ 236.0'					

DRILL HOLE REPORT

Hole Number **85-4** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 105
Dip: -60
Length: 81.08
Started:
Completed:
Logged: 30-Dec-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment:
-All boxes backwards,despite visible labelling on box
-dirty core; boxes need vacuuming, rinsing, minor reconstruction in some; occ lost pcs, seem to be okay overall
--No samples collected during 2016 resampling program

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298068.78
North: 4947291.27
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	105.00	-60.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **85-4** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.52	**Ovb** ***Overburden*** o/b to 5', casing to 7'					
1.52	10.97	**1** ***Mafic to Intermediate Volcanics (undif*** fg, dk grn/grey GS with occ stringers with and against fol; mod to well fol @ 020, bio rich and well silicified; grey fg granular siliceous zone (chert zone) @ 5.0 - 6.0', conform, NVS; occ qtz/carb stringers and stringer parts along fol at low angle to core; Qtz/carb vein @ 24.7', conform @ 010, 1 cm, wht fg qtz, minor carb frac fill, chl incl, tr fg dissem py; 29 - 31' occ stringer/vein pcs, discontinuous vein pcs (minor shearing); grey/wht fg gran sil zone @ 31.0 - 31.6', conform, NVS; grey/wht fg gran sil zone @ 33.0 - 34.0' (as above); grey fg gran sil zone @ 34.1 - 36.0', wall + chl incl along fol @ 015 - 020, NVS					
10.97	11.92	**LC** ***Lost Core*** missing split core pcs (fallen from box?)					
11.92	12.16	**LC** ***Lost Core*** x-cutting @ 035, boudinaged vein, wht f - mg qtz, minor fg carb, wall + chl incl, minor blebs cpy, v minor fg py frac fill films, true width? Hard to determine from split core pcs					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-4** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
12.16	15.70	**1** ***Mafic to Intermediate Volcanics (undif*** wht/grey fg gran sil (chert) zone @ 42.6 - 46.0', encloses Qtz vein @ 42.6 - 43.6', wht fg qtz, minor fg py/cpy frac fill, wall + chl incl along fol @ 020, and discontinuous Qtz/carb vein @ 43.8', trending ~030, 5 mm, m - cg wht dolomite?, vfg chl incl, tr dissem py, grades into Qtz/carb vein @ 46.0', ~ 4cm, wht mg qtz, minor py frac fill films, thin zone of SMS (f-mg py with qtz), minor cpy, minor bio/chl, minor carb at cts; 46.9' lg bleb (~1 cm) fg py weathering to grey powder, much yellow/orange brn staining, minor frac fill films at lower ss ct@ 025					
15.70	16.09	**10qc** ***Quartz-carbonate Vein*** app x-cut @ 030, wht mg qtz, minor fg carb, v minor fg py frac fill films, ragged cts					
16.09	52.27	**1** ***Mafic to Intermediate Volcanics (undif*** grey fg gran sil zone @ 64.7 - 69.0', conform, zones or pcs of wht qtz; 69 - 75' occ stringer/vein pcs along fol @ 020; grey gran sil zone @ 85.6 - 86.2', conform @ 030, wall incl (laminations) along fol, NVS; Qtz/carb vein @ 86.2 - 87.0', cts? Missing, wht fg qtz, minor fg carb, minor chl, tr cpy; Qtz/carb vein @ 127.7', conform @ 025, 2 cm, boudinaged, wht fg qtz, minor carb, minor blebs po + py, ragged cts; weak fol @ 025 - 030 with occ stringers to 159'; well carbonatized					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-4** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
52.27	52.33	**10qc** ***Quartz-carbonate Vein*** conform @ 030, 8 cm, wht fg gran qtz with brecc pcs wht mg qtz, minor blk tour?, NVS					
52.33	59.25	**1** ***Mafic to Intermediate Volcanics (undif*** Carb vein @ 171.8', conform, 2 cm, wht fg gran cal, minor blk tour?, amph?, brecc wall incl, ragged cts, NVS; grey fg gran sil zone @ 172.0 - 172.7', grading to wht fg gran qtz with v minor carb, chl incl, tr fg py frac fill films, tr tour? lower ct @ 176.6' (slightly sheared vein under sil zone?); 174.3' wandering low angle wht qtz vein, 3 - 5 mm, mg, NVS; Qtz/carb vein @ 174.9', conform?, 4 cm, wht mg qtz, tr carb blebs, wall + chl incl, tr tour?					
59.25	59.59	**1** ***Mafic to Intermediate Volcanics (undif*** conform, wht/grey fg gran qtz, minor fg carb at lower ct, chl + wall incl along fol, v minor dissem po blebs, v minor fg py frac fill films					
59.59	60.05	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 195.8', conform, 4 mm, slightly brecc, wht fg qtz, minor carb at cts, minor bio at cts, NVS;					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-4** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
60.05	60.66	**11s** ***Shear Zone*** well fol, bio rich, speckled look with flattened carb blebs along fol; occ qtz frags along fol, minor dissem blebs po, py, tr cpy; through to 203'					
60.66	60.78	**11f** ***Fault Zone*** 10 cm zone broken core, bio rich, mild ss on breaks, 030, no mineralization or alt					
60.78	61.87	**11s** ***Shear Zone*** well fol, bio rich as above (197')					
61.87	63.37	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 203.8', x-cut @ 020, 5 mm, wht fg, NVS; Qtz/carb vein @ 204.6', conform, 5 mm, wht fg, NVS; Qtz/carb vein @ 204.8', conform?, ~15 cm, wht fg - mg qtz, minor carb at cts, NVS; Qtz/carb vein @ 206.6', ~19 cm,wht fg - mg qtz, minor m - cg carb, abundant wall + chl incl, minor fg blebs py; Qtz vein @ 207.5', conform?, 1 cm, v ragged, wall incl, fg; NVS					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-4** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
63.37	63.64	**10qc** ***Quartz-carbonate Vein*** wht mg qtz, m - cg carb, minor blk bio, abundant wall incl, minor py, ragged cts, tr fg dissem py blebs, wall frags show minor epidote alt					
63.64	64.01	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
64.01	65.84	**11s** ***Shear Zone*** well fol @ 045, numerous stringer bits and brecc vein frags along fol, minor epidote patches					
65.84	75.44	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 216.5', gen conform @ 045, contorted, 5 mm, wht f - mg qtz + carb, NVS, minor epidote alt; 216.5 - 217.5', numerous brecc pcs (shearing), minor epidote alt; Qtz/carb vein @ 217.6', x-cut @ 045 against fol, 5 cm, wht mg qtz +carb, lg blebs f-mg py with cpy (just about SMS), v rusty zone, minor cube develp't; 235 - 252' minor shearing with flattened carb frags along fol,(smears),occ stringer pcs;					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		Qtz/carb vein @ 240.8', irreg, slightly boudinaged vein, wht fg qtz, minor carb, subparallel to core, NVS; Qtz/carb vein @ 241.5', part of boudinaged vein above?					
75.44	76.20	**11s** ***Shear Zone*** numerous brecc frags and boudinaged vein pcs along fol					
76.20	79.86	**1** ***Mafic to Intermediate Volcanics (undif*** 250 - 258' zone of occ stringer/vein frags					
79.86	80.31	**LC** ***Lost Core*** missing and mixed pcs					
80.31	81.08	**1** ***Mafic to Intermediate Volcanics (undif*** highly siliceous, grey fg granular with wht carb smears along fol @ 045 (somewhat salt & pepper look),					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-4** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		NVS; Qtz/carb vein @ 265.0', x-cut @ 060, 2.5 cm, wht m-cg qtz, minor carb, ragged cts, chl incl, minor dissem fg po blebs, minor fg py frac fill films, minor blk tour; Qtz/carb vein @ 265.5', x-cut @ 060, 2 cm, wht mg qtz, minor carb, minor tour?, minor fg py frac fill films; EOH @ 266.0' (original log states core barrel lost at 266')					

DRILL HOLE REPORT

Hole Number **85-5** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 105
Dip: -50
Length: 68.88
Started:
Completed:
Logged: 02-Jan-17

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -All boxes backwards despite visible box markings
-Dirty core requiring vacuuming, rinsing, minor reconstruction
--No samples collected during 2016 resampling program

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298072.87
North: 4947304.55
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	105.00	-50.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **85-5** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.52	**Ovb** ***Overburden*** Overburden					
1.52	25.45	**1** ***Mafic to Intermediate Volcanics (undif*** fg dk grn/grey GS, occ stringers, mod fol @ 025, well to mod carbonatized; Carb vein @ 12.6', x-cut @ 030, 5 mm, irreg, wht fg granular, chl + wall incl, NVS; 12 - 24' well fol with minor stringer pcs and boudinaged vein frags along fol, chl rich; Qtz/carb vein @ 21.2', conform @ 030, sharp, 1 cm, fg, NVS; Qtz/carb vein @ 21.4', conform, as above (21.2'); grey to grey/wht fg gran sil zone (chert zone) @ 23.0 - 23.7', conform, v minor chl incl, tr dissem po blebs; 24 - 28' occ ss on core breaks, fol @ 017; Carb vein @ 38.0', x-cut against fol, wht fg gran carb, 5 - 2 mm, NVS; Qtz/carb vein @ 48.6', x-cut?, 2 cm, irreg, slightly boudinaged, wht fg, wall incl, NVS; grey gran sil zone @ 49.1 - 49.7',conform, NVS; 52 - 54' couple boudinaged qtz/carb veins, 2 mm - 1 cm, roughly conform, NVS; Carb vein @ 55.4', conform, 2.5 cm, wht f-mg, wall incl, NVS; 58 - 60', boudinaged carb vein frags along fol, NVS; 77.0' several x-cutting low angle qtz/carb veins, 3 - 5 mm, irreg, fg, NVS; grey fg gran sil zone @ 81.0 - 82.5', wall incl carry dissem blebs po up to ~5%; grey gran sil zone @ 83.0 - 83.5'					
25.45	25.91	**11s** ***Shear Zone*** well fol @ 035 - 040, numerous conform stringers and smears with occ boudinaged pcs along fol					
25.91	38.86	**1** ***Mafic to Intermediate Volcanics (undif*** grey to grey/wht fg gran sil zone @ 91.0 - 91.8', conform, tr disem py; Carb/qtz vein or frag?, v irreg cts, wht fg gran carb & qtz (too hard to be carb alone), 5 cm, NVS, wall rk around v highly silicified; Qtz/carb					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		vein @ 101.4', conform @ 035, 1 cm, wht fg gran, slight shearing, NVS; Qtz/carb vein @ 106.0', conform? cts missing, 1.5 cm, wht fg gran qtz + carb, chl incl along fol, NVS; 115.7 - 116.0' core grinding, several golf ball sized core pcs ground to augen shapes, one shows qtz/carb, NVS					
38.86	39.56	**11s** ***Shear Zone*** mod to well fol @ 035 - 040, appears as bio qtzite, well silicified, abundant vein/stringer pcs					
39.56	45.72	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 130.5', 2 cm, wht mg qtz, cts?, v minor carb, ragged cts, NVS; Qtz/carb vein @ 130.7', 1 cm, as above (130.5') part of above vein?					
45.72	46.21	**11s** ***Shear Zone*** "speckled look" from flattened carb frags/blebs along fol, occ boudinaged frags along fol, bio rich					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-5** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
46.21	50.60	**1** ***Mafic to Intermediate Volcanics (undif*** well fol, chl rich core, tr fg dissem py + po; Qtz/carb vein @ 162.5', conform, 1 cm, wht fg gran, slightly sheared, NVS, occ thin (3 - 5 mm) veinlets/stringers, occ brecc frags; Qtz/carb vein @ 165.7', 1.5 cm, wht mg qtz, minor carb, wall + chl incl, NVS					
50.60	52.43	**11s** ***Shear Zone*** 166 - 167' "speckled look" from flattened carb frags/blebs along fol, bio rich; 167 - 172' occ boudinaged/brecc frags along fol, bio rich					
52.43	60.47	**1** ***Mafic to Intermediate Volcanics (undif*** minor flattened smears of carb along fol to ~ 183'; Qtz/carb vein @ 172.5', x-cut @ 065, 5 cm, v ragged cts, wht mg qtz, f - mg carb, chl incl, irreg, NVS; Qtz/carb vein @ 172.9', conform @ 030, 1 - 1.5 cm, wht mg qtz, minor carb, chl incl, NVS, wall rags contain ~2% dissem po; Qtz/carb vein @ 179.0', slightly x-cut @ 045, ~5 cm, brecc pcs along fol, wht f - mg qtz + carb, wall + chl incl, ragged cts, NVS; Qtz/carb vein @ 181.0', conform, 2.5 cm, wht fg gran qtz v minor carb, chl incl, ragged cts, NVS; Qtz/carb vein @ 181.3', boudinaged with abundant wall incl, v minor carb, wht to grey fg qtz, 1 cm, NVS; Qtz vein @ 179.0', x-cut @ 075, 1 - 1.5 cm, ragged cts, wht fg qtz, tr carb, chl incl, NVS, slight shearing numerous thin stringers above and below vein; Qtz/carb vein @ 185.6', gen conform, boudinaged vein frags along strike, 1 cm, slightly x-cut @ 050, wht f - mg qtz, tr carb, ragged cts, NVS; continuing smears and small brecc frags of stringers/veins; Qtz/carb vein @ 186.8', x-cut, 2 cm, wht fg qtz,minor carb, chl incl, NVS; Qtz/carb vein @ 187.5', x-cut @ 085, 2.5 cm, wht f - mg qtz, v minor carb, NVS, numerous wht qtz ribbons under vein; Qtz/carb vein @ 189.5', x-cut @ 080, 1.5 cm, wht fg qtz, tr vfg carb, minor vfg chl incl, NVS; Qtz/carb vein @ 189.9', conform, 1.5 cm, wht fg qtz + carb, pinch & swell, NVS; py seam @ 190.4', x-cut @ 025 against fol, 1 cm, mg py in fg py matrix, abundant cubes up to 3 mm, rare subhedral qtz, ragged cts; Qtz/carb vein @ 192.1', x-cut?, ~2 cm, v ragged cts, wht f - mg qtz, minor carb, chl incl, NVS; Qtz/carb vein @ 192.3', x-cut, 1 cm, (boudin from below?); Qtz/carb vein @ 192.4', contorted, "S" fold, 1 - 2 cm, wht f - mg qtz, minor carb, chl incl, NVS; Qtz /carb vein @ 198.0', x-cut?, 3 cm, wht mg qtz, minor carb + chl incl, v minor fg py frac fill					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-5** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
60.47	60.84	**10qc** ***Quartz-carbonate Vein*** upp ct appears conform @ 030, wht fg qtz, minor carb, minor blebs po with minor py + cpy, most small, some up to 1 cm diam					
60.84	62.18	**1** ***Mafic to Intermediate Volcanics (undif*** occ brecc vein/stringer pcs; Qtz/cab vein or frag @ 202.0', ~1 cm, wht fg gran qtz/carb, NVS					
62.18	62.30	**10qc** ***Quartz-carbonate Vein*** conform?, brecciated frags, wht fg gran qtz, v minor fg carb, angular wall frags, NVS					
62.30	64.16	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 206.5', cts? missing pcs, 8 cm, wht fg gran qtz, minor carb, minor fg py frac fill, ss on upp or lower (both?) cts; Qtz/carb vein @ 209.7', conform?, 0.5 - 1 cm, wht mg qtz, NVS					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-5** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
64.16	64.47	**11s** ***Shear Zone*** numerous smears/stringers ~3 - 5 mm along fol, occ brecc frags fg wht qtz/carb, minor mg po blebs, highly silicified					
64.47	66.57	**1** ***Mafic to Intermediate Volcanics (undif*** 211- 226' occ vein/stringer pcs along fol; 212.6 - 213.8' low angle (subparallel) joint with ss + fg py seam, slightly crenulated ss with intense numerous thin stringers + smears @ 030					
66.57	66.84	**10qc** ***Quartz-carbonate Vein*** upp ct looks conform, wht fg gran qtz, minor fg gran carb, wall + chl incl, v minor fg dissem po, minor blebs fg py at lower ct					
66.84	68.88	**1** ***Mafic to Intermediate Volcanics (undif*** grey to grey/wht fg gran sil zone @ 219.7 - 221.7', lower ct ss @ 075, v minor fg carb, tr fg dissem po + py, chl incl; Qtz/carb vein @ 223.7', brecciated, wht fg qtz, minor carb, wall incl, NVS; Qtz/carb vein @					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-5** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		225.8', wht mg qtz, 5 cm, minor carb, minor fg py frac fill; EOH @ 226.0'					

DRILL HOLE REPORT

Hole Number **85-6** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 105
Dip: -60
Length: 78.03
Started:
Completed:
Logged: 03-Jan-17

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -All boxes backwards (except box #5 & #9) despite visible box markings
-dirty core requiring vacuuming, rinsing, minor reconstruction
--No samples collected during 2016 resampling program

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298072.87
North: 4947304.55
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	105.00	-60.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **85-6** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.22	**Ovb** ***Overburden*** Overburden					
1.22	21.55	**1** ***Mafic to Intermediate Volcanics (undif*** fg dk grn siliceous GS, with occ stringers with and against fol, dense chl rich competent core (long core sections), mod fol @ 020, strongly pervasively carbonatized; Qtz/carb vein @ 8.4', x-cut @ 045 against fol, 8 mm, wht fg, NVS; grey/wht fg granular siliceous zone (chert zone) @ 34.5 - 40.2', conform, NVS; 36 - 41' stringer/vein brecc frags along fol					
21.55	22.25	**10qc** ***Quartz-carbonate Vein*** x-cut?, cts missing, wht mg qtz, minor carb, minor blebs fg py, tr cpy, minor fg py frac fill films, upp half looks "clean" wht qtz, lower half contains sulph, minor blebs py + marcas (grey powder), rusty staining, carb + frac fill					
22.25	27.28	**1** ***Mafic to Intermediate Volcanics (undif*** grey fg gran sil zone @ 73.0 - 73.5', minor fg carb, minor fg dissem po + py, rare sub mm cubes; well fol "slatey" looking, fol @ 008 at 91';					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-6** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
27.28	27.43	**11f** ***Fault Zone*** minor faulting, small zone of broken core, mild ss @ 005 - 015 (undulating plane), no mineralization or alteration					
27.43	37.80	**1** ***Mafic to Intermediate Volcanics (undif*** fol @ 025 at 96'; 93 - 102' several thin (~5 mm) x-cutting stringers/veins of qtz/carb, wht fg, NVS, slightly sheared; mottled grey, fg gran sil zone @ 108.3 - 111.4', conform @ 020, minor fg carb, chl incl, wall incl (with ss subparallel to fol), NVS; core continues as fg, dense, competent, with variable fol and occ smeared carb frags along fol; fol @ 027 at 114', @ 000 at 116', @035 at 118'; 116 - 118' zone of many brecciated stringer pcs; 119 - 120' contains vein ~ 1 cm with multiple "S" folds					
37.80	38.10	**11s** ***Shear Zone*** mild ss on core breaks @ 010, conform to fol, some boudinaged stringer/vein pcs					
38.10	45.08	**1** ***Mafic to Intermediate Volcanics (undif*** mottled grey/wht fg gran sil zone @ 126.5 - 127.0', minor fg carb, NVS; grey gran sil zone @ 127.8 - 128.1', tr fg dissem po; 129.0' ss along fol @ 015; 131.0' ss along fol @ 000, (folding?); Qtz/carb vein @					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		132.2', highly contorted, slightly boudinaged, 1 cm, wht fg qtz/carb, ragged cts, NVS; fol @ 025 at 138'; 141.5 - 142.5' zone of dense vfg chl rich core, fol @ 000, boudinaged carb/qtz vein, ~ 5 - 10 mm, wht fg, abundant chl incl, minor blebs py + cpy; Qtz/carb vein @v 143.3', conform, 1 cm, wht mg qtz + carb, chl incl, minor blebs fg dissem po + py; occ brecc stringer pcs					
45.08	45.17	**10qc** ***Quartz-carbonate Vein*** upp ct conform @ 040, lower ct missing, ~6 cm, wht mg qtz + carb, minor blebs fg py, v minor fg py frac fill films					
45.17	45.90	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 149.7', conform?, 2 cm, f - mg wht qtz/carb, minor blebs po/py, some sub mm cubes, slight shearing, chl incl;					
45.90	46.02	**10qc** ***Quartz-carbonate Vein*** cts?, wht f - mg qtz/carb, chl + wall incl, slightly sheared, NVS					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-6** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
46.02	50.41	**1** ***Mafic to Intermediate Volcanics (undif*** fol @ 040 at 153'; Qtz/carb vein @ 159.7', app conform, 3 cm, wht f - mg qtz, minor carb, ragged cts, chl incl, NVS; Qtz/carb vein @ 164.0', conform?, 1 - 1.5 cm, v minor carb, wht f- mg qtz, chl + wall incl, slight shearing, NVS; 163 - 170', numerous conform stringers, occ brecc vein/stringer pcs					
50.41	50.54	**10qc** ***Quartz-carbonate Vein*** upp ct conform @ 030 with moderate ss, wht mg qtz, minor carb + chl incl, tr fg py frac fill films					
50.54	55.47	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 167.3', conform @ 045, 3 cm, ragged cts, wht f - mg qtz, minor carb, chl incl, NVS, qtz brecc frags just above vein; 170.0- 174' zone of sulph enrichment, smeared dissem blebs along fol of po, minor py + cpy up to 2 - 5%, encloses Qtz/carb vein @ 171.4', upp ct x-cut @ 090, lower ct conform @ 030, 8 cm, v ragged cts, wht f - mg qtz + carb, slight shearing, mg frags in fg matrix, wall incl, chl incl, tr dissem po; 175 - 177', occ brecc stringer/vein pcs					
55.47	55.57	**10qc** ***Quartz-carbonate Vein*** conform, 6 cm, sharp cts, wht f - mg qtz, tr carb, wall incl, NVS					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-6** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
55.57	69.65	**1** ***Mafic to Intermediate Volcanics (undif*** occ brecc vein frags, fol @ 025 at 190'; 188 - 194' numerous conform stringers/ribbons along fol (minor shear); 196.6 - 197.5' zone of elevated sulph, dissem blebs of po, minor py + cpy along fol up to 2 - 5%; Qtz/carb vein @ 198.1', brecciated, 1 - 2 cm cg carb + blebs mg po with minor py, irreg, wall incl; gre/wht fg gran sil zone @ 223.0 - 223.3'					
69.65	69.74	**10qc** ***Quartz-carbonate Vein*** conform @ 050, 6 cm, wht f - mg qtz, minor carb, slight shear pinch & swell, tr dissem py, wall seam through middle of vein (infill or incl?)					
69.74	70.71	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
70.71	71.02	**10qc** ***Quartz-carbonate Vein*** upp ct x-cut @ 060, lower ct conform @ 025, wht f - mg qtz, minor carb, minor fg py frac fill films, minor lg blebs po/py, minor small blebs po, epidote alt at upp ct (~5 cm diam)					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-6** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
71.02	77.39	**1** ***Mafic to Intermediate Volcanics (undif*** 234 - 253.9' occ boudinaged vein/stringer pcs, along fol, numerous smears/stringers, chl rich, well carbonatized, fol @ 040 (old shear zone); Qtz/carb vein @ 245.2', 3 - 10 mm, v irreg contorted boudinaged and folded, wht fg qtz, minor carb, minor blebs fg py + cpy, wall incl; Qtz/carb vein @ 253.8', x-cut @ 045 against fol, 1.5 cm, irreg wavy cts, wht f - mg qtz + carb, rusty, minor fg py frac fill films, tr cpy					
77.39	78.03	**LC** ***Lost Core*** Listed as missing on MNR file (long ago)					

DRILL HOLE REPORT

Hole Number **85-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 105
Dip: -50
Length: 74.98
Started:
Completed:
Logged: 05-Jan-17

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -All boxes backwards
-dirty core requiring vacuuming, rinsing, minor reconstruction, minor amount of missing split core pcs in places
--No samples collected during 2016 resampling program

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298051.53
North: 4947258.3
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	105.00	-50.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **85-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	2.44	**Ovb** ***Overburden*** Casing to 11'; rubbly to 11'					
2.44	13.41	**2** ***Meta-Pelitic Sediments (undifferentiat*** lt - med - dk grey, fg banded sericitic phyllite, variable bio content, well silicified, well fol @ 025, occ crenulated and contorted fol, minor folding, dissem blebs po, py + minor cpy along fol mainly ~ 2%, grading upto ~10% in areas; 11 - 16' contorted fol, indistinct; 16 - 18' darker coloured, bio/chl rich, folding, fol @ 045; 20 - 26' kinked fol, grades to qtz-sericite-chl-bio schist with minor sulph blebs; 26 - 61generally lighter colour (less chl + bio) but with occ darker bands; 20.5' boudinaged qtz/carb vein along fol, ~1 cm, siliceous schist, sulph to ~5% to ~20% in places (po, py, tr cpy)					
13.41	13.47	**10qc** ***Quartz-carbonate Vein*** cts missing, ~5 cm, wht fg qtz, tr fg carb, sericite incl, minor dissem blebs po					
13.47	15.27	**2** ***Meta-Pelitic Sediments (undifferentiat*** Metasediments					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
15.27	15.45	**10qc** ***Quartz-carbonate Vein*** conform @ 035, wht f - mg qtz, minor f - mg carb at cts, tr dissem sulph					
15.45	23.77	**2** ***Meta-Pelitic Sediments (undifferentiat*** qtzite-sericite schist with occ dk grey bio/chl rich bands; Qtz/carb patch @ 54.6', (edge of vein?), 6 cm long, 1 cm deep, conform? @ 015 - 020, minor dissem sulph; 53 - 59' dissem blebs (po + py, tr cpy) increase to ~15%, lg blebs along fol; ~61' grades to vfg dense siliceous chl/gt schist, starting with vfg - fg red/brn porhyoblasts along horizons, occ weak carbonatized zones start at ~66', gt to 70', again at 76 - 83.5', (upto ~1 mm 78 - 81'); Qtz/carb vein @ 72.5', boudinaged, ~2 cm, v ragged, v diffuse, wht fg carb, minor fg qtz, sericitr incl, NVS; Qtz/carb vein @ 75.8' boudinaged, ~1 cm, conform, fg, minor fg dissem sulph; some missing split core pcs missing ~77' (~5 cm?);					
23.77	23.90	**10qc** ***Quartz-carbonate Vein*** upp ct conform @ 030, wht fg qtz, v minor fg carb at cts, chl incl, minor blebs po, v minor frac fill (py or po?), lower ct missing					
23.90	23.96	**2** ***Meta-Pelitic Sediments (undifferentiat*** dk grn/grey, fg chl/gt schist, well silicified, well fol @~035					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
23.96	24.02	**10qc** ***Quartz-carbonate Vein*** upp ct conform @ 030, wht fg qtz, v minor fg carb at cts, chl incl, minor blebs po, v minor frac fill (py or po?), lower ct missing					
24.02	27.43	**2** ***Meta-Pelitic Sediments (undifferentiat*** chl/gt schist; Qtz/carb vein @ 80.2', conform @ 040 - 045, 2.5 - 3 cm, wht fg qtz, minor carb, sharp cts, wall incl, v minor fg py frac fill films, chl incl, minor dissem po blebs; 80 - 84' bio rich, gt rich, po rich (~10 - 15%); brecc fg qtz frag along fol @ 84', 4 mm; Qtz/carb vein @ 85.4', boudinaged along fol, ~2 cm, wht fg qtz + carb, wall incl, minor blebs fg po + py; occ qtz/carb stringers with and against fol to ~90'					
27.43	27.58	**10qc** ***Quartz-carbonate Vein*** upp ct app to x-cut @ 080 - 085, ragged ct, wht mg qtz, minor carb, chl incl, minor blebs py + po mainly through centre of vein to lower ct and into wall rock for ~ 10 cm, v minor frac fill films					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
27.58	37.28	**1** ***Mafic to Intermediate Volcanics (undif*** dk grn/grey, fg chl rich silicified GS, well fol ~030, tr dissem po blebs; grey fg granular siliceous zone (chert zone?) @ 95.6', 5 cm, minor vfg carb, NVS; grey to grey/wht diffusely banded fg gran sil zone @ 96.0', 18 cm, conform, NVS; grey/wht mottled fg gran sil zone @ 107.8', conform, 25 cm, tr fg py frac fill films; grey/wht banded fg gran sil zone @ 110.4', 22 cm, minor fg carb in bands, conform, NVS; Qtz/carb vein @ 111.3', cts missing, wht mg qtz, v ragged, minor blebs py, tr po					
37.28	37.37	**10qc** ***Quartz-carbonate Vein*** app x-cutting, wht fg qtz, minor carb, chl incl, v minor fg py frac fill films, missing cts					
37.37	43.40	**1** ***Mafic to Intermediate Volcanics (undif*** bio rich silicified GS, occ carb rich stringers between ~124 - 133', 133 - 133.5' several closely spaced thin qtz/carb stringers @ ~030, minor py/po, tr cpy; 137 - 139' numerous thin stringers, minor sulph; 139 - 142' brn bio rich core (minor shearing?)					
43.40	43.59	**LC** ***Lost Core*** Lost core					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
43.59	43.95	**1** ***Mafic to Intermediate Volcanics (undif*** dk brn bio rich siliceous core, well fol					
43.95	44.50	**11s** ***Shear Zone*** numerous thin stringers along fol @~040, brecc pcs qtz/carb veins, wall rock frags, chl incl, tr fg dissem sulph					
44.50	52.15	**1** ***Mafic to Intermediate Volcanics (undif*** brn bio rich grading to grn/grey; occ stringers with and against fol; grey/wht banded fg gran sil zone @ 151.6 - 153.2', conform, @ 075, tr fg carb, tr fg py frac fill films; grey/wht mottled fg gran sil zone @ 153.8 - 155.0', conform, v minor fg dissem py; fol @ 040 at 156'; mod pervasive carbonation to ~190'; Qtz/carb vein @ 163.4', slightly x-cut @ 040, ~1.5 cm, wht fg qtz, minor carb, chl incl, sharp cts, NVS; grey mottled fg gran sil zone @ 170.5', tr py frac fill films					
52.15	52.58	**11s** ***Shear Zone*** brn bio rich core, well fol, with ss along core breaks					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
52.58	54.89	**1** ***Mafic to Intermediate Volcanics (undif*** well fol, bio content variable to ~177', grey fg gran sil zone @ 179.0 - 179.9', conform @ 065, mild ss cts, minor fg py frac fill films, minor vfg chl incl, thin carb seam					
54.89	55.11	**10qc** ***Quartz-carbonate Vein*** closely resembles fg gran sil zone but alittle coarser and whiter, wht fg qtz, minor fg carb as fine frac fill, wall + chl incl, conform, tr fg py frac fill films					
55.11	66.63	**1** ***Mafic to Intermediate Volcanics (undif*** wht/grey fg gran sil zone @ 185.4 - 185.8, minor carb frac fill, diffuse cts, NVS; Qtz vin @ 186.0', 5 cm, wht mg qtz, v minor fg py frac fill, chl incl, conform?, sharp; Qtz/carb vein @ 187.7', brecciated, ~5 cm, wht fg qtz, v minor fg carb, wall +chl incl, minor blebs py + cpy, minor py frac fill; Qtz/carb/po seam (5 mm) @ 188.1', x-cut @ 045, fg; 201 - 215' highly siliceous zone (med grey) with zones/bands of chl & bio enrichment, appears weakly fol but conform; 215 - 216' grades to dk grn dense fg chl schist, competent core, mod fol @ 025 - 035, with occ thin (3 - 5 mm) boudinaged qtz/carb stringers/veins (minor shearing); grey fg gran sil zone @ 217.8', 4 cm, cts missing					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
66.63	70.41	**2** ***Meta-Pelitic Sediments (undifferentiat*** dk grn fg chl/gt schist, well fol @ ~030, highly siliceous; red/brn gt porphyoblasts up to 0.5 - 1 mm ~219'; abundant thin (0.5 - 1 mm) stringers/smears of qtz + carb along fol @ 030, occ vein frags (shear zone); grey fg qtzite ~224 - 225'; grey fg gran sil zone @ 225.4', 12 cm, enclosing 1 cm qtz/carb vein @ 225.5', wht mg qtz + carb, chl incl, minor blebs po; after vein bio qtzite carries dissem po/py upto ~5 - 10% to ct at 231'					
70.41	74.98	**2** ***Meta-Pelitic Sediments (undifferentiat*** grades quickly to lt -med grey f-mg qtzitic sericitic phyllite, banded, well fol, minor dissem blebs po + py along fol @ 035 - 045; EOH @ 246.0'					

DRILL HOLE REPORT

Hole Number **85-8** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 105
Dip: -60
Length: 78.03
Started:
Completed:
Logged: 06-Jan-17

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -All boxes backwards, except box #6 & #7
-Dirty core requiring vacuuming, rinsing, minor to major reconstruction, minor amount of missing split core pcs in places
-No samples collected during 2016 resampling program

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298051.53
North: 4947258.3
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	105.00	-60.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **85-8** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.83	**Ovb** ***Overburden*** Rubbly to 14'					
1.83	12.28	**2r** ***Rusty Schist*** lt - med grey, fg qtzitic - sericitic phyllite, banded, well fol ~030 - 035, minor dissem blebs py + po along fol, v rusty near surface; v contorted fol, some crenulated fol,, folding to ~ 25.5'; Qtz vein @ 10.0', upp ct @ 010, mottled grey fg qtz, minor dissem po blebs, lower ct, tw?; grades to dk brn bio rich qtz sericite schist @ 25.5', minor blebs dissem po, py tr cpy, fol @ 025;28.2 - 29.1' vein edge?, does not cut through core, wht fg qtz, minor f - mg po along frac, tr py blebs, minor fg py frac fill films, film of cpy along ct; core becomes lt brn/grey qtz-sericite schist @ 36.5', 37 - 40' wht fg qtz frags along fol ~015, tr carb, minor blebs po/py (shearing)					
12.28	12.34	**10q** ***Quartz Vein*** app conform @ 040, ~10 cm, wht f - mg qtz, sharp, minor sericite incl, minor blebs po					
12.34	24.32	**2** ***Meta-Pelitic Sediments (undifferentiat*** fol to near 000 (parallel to core), dk brn bio rich zone 43 - 45', with occ wht/grey fg qtz frags along fol (shearing)					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
24.32	24.63	**10qc** ***Quartz-carbonate Vein*** ~5 cm, wht mg qtz, v minor fg carb, minor po blebs, minor po frac fill, (~1 - 2 mm stringers), with py, lower ct shows heavy po/py (~20%)					
24.63	26.64	**2** ***Meta-Pelitic Sediments (undifferentiat*** Qtz/carb vein @ 81.3', ~6 cm, boudinaged, v irreg, contorted, carb rich, fg, wall incl, NVS; unit becomes dk grn/grey chl schist, strongly fol @010; 82 - 86.5' porphyoblastic red/brn gt upto 2 mm diam, reaching ~ 20% in places with dissem po blebs upto ~ 1 - 2%; Qtz/carb vein @ 83.5', conform @ 005 - 010, ~ 2 cm, boudinaged, pinched, vfg lt grey to dk gray qtz, minor vfg carb, along cts, tr fg dissem po; Qtz/carb vein @ 94.3', x-cut @ 045, ~3 cm, slightly sheared, vfg grey qtz, minor vfg wht carb, tr fg sulph; Qtz/carb vein @ 94.7', conform? ~020, ~2.5 cm, vfg wht qtz, v minor vfg carb, minor fg blebs po; vfg wht qtz frags along fol @ 85.3', tr dissem sulph; Qtz/carb vein @ 86.0', boudinaged pcs, conform? @ 015 - 020, ~ 3 cm, wht fg qtz, v minor fg carb, wall incl, NVS, wall rock carries ~2% flattened blebs (smears) f - mg po (w ith minor py); Qtz/carb vein @ 87.2', boudinaged pcs, conform @ 020, ~ 3 cm, wht fg qtz, minor fg carb at cts, minor blebs po minor wall incl					
26.64	33.62	**11s** ***Shear Zone*** brnish grn chl schist, well fol ~020, occ boudinaged qtz/carb vein frags along fol, (5 - 15 cm diam), ~1 - 2% blebs of fg - mg po + py along fol, occ strings (seams) of py blebs with and across fol; after 96' frags less common and generally smaller in size; 100 - 110' bio increaes to make core dk brn; 109 - 110'					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		numerous thin qtz/carb stringers/ribbons conform @ 020, tr dissem blebs sulph					
33.62	49.16	**1** ***Mafic to Intermediate Volcanics (undif*** arbitrary decision to place ct to metavlocanics at zone that appears to be grey fg granular siliceous zone that appears to be a chert zone seen in GS; 110.3 - 111.7' grey fg gran sil zone (chert zone?), v minor fg carb, minor blebs mg po, minor py fg chl incl; fg dk grn chl rich schist well fol ~030, mod to weak pervasive carbonatization; 117 - 124' numerous stringer pcs along fol (shearing); mottled grey, fg gran sil zone @ 124.4 - 125.2', conform @ 045, tr fg carb, NVS; grey fg gran sil zone @ 130.0 - 130.6', conform? @ 060, irreg cts, minor fg carb, NVS; occ budinaged vein frags and pinched stringer pcs along fol; fol ~ 015 - 020 at 140'; mottled grey, fg gran sil zone? @ 149.4 - 150.8', conform @ 025, v minor fg carb, fg po blebs, v minor fg py frac fill films; increasing silica content makes core lt grey/grn from 151' - 159'; mottled lt/dk grey fg gran sil zone @ 155.5 - 160.0', NVS; mottled fg gran sil zone @ 157.8 - 158.2', minor chl incl					
49.16	49.26	**10qc** ***Quartz-carbonate Vein*** conform @ 030, ~6 cm, wht f - mg qtz, v minor fg carb, sharp, NVS					
49.26	52.21	**1** ***Mafic to Intermediate Volcanics (undif*** many thin (0.5 - 1 cm) qtz/carb stringers off and on through this zone					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-8** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
52.21	52.30	**10qc** ***Quartz-carbonate Vein*** x-cut @ 050 against fol, ~8 cm, wht mg qtz, minor carb with tr py blebs, ragged cts, chl incl					
52.30	54.01	**1** ***Mafic to Intermediate Volcanics (undif*** grey/wht fg gran sil zone @ 177.0', conform @ 025 - 030, NVS					
54.01	54.13	**10qc** ***Quartz-carbonate Vein*** conform?, ~8 cm, wht mg qtz, minor fg carb, minor chl incl, v minor py fg frac fill films, v minor chl frac fill with tr py, lower ct ss					
54.13	58.83	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 185.2', conform @ 030, 1 - 1.5 cm, wht fg qtz, minor fg carb, gran look, NVS; Qtz/carb vein @ 188.5', x-cut? @ 055, 1.5 cm, ragged cts, wht fg qtz, tr fg carb, chl incl, NVS; Qtz/carb vein @ 190.3', x-cut @ 020 against fol, 1.5 cm, irreg, wht f - mg qtz, v minor fg carb, minor fg py frac fill films;					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		191 - 192' Four Qtz veins ~ 1cm ea, conform @ 030, wht f - mg qtz, tr carb, tr sulph					
58.83	58.95	**10qc** ***Quartz-carbonate Vein*** cts missing, ~ 10 cm, wht mg qtz, minor mg carb, minor fg py					
58.95	59.01	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
59.01	59.16	**10qc** ***Quartz-carbonate Vein*** missing cts, ~ 15 cm, wht mg qtz, tr carb, minor chl incl, minor py blebs					
59.16	78.03	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz vein @ 194.2', missing cts, ~ 2 cm, NVS; 196 - 226' occ to common qtz/carb stringers mainly conform but some against fol; Qtz/carb vein @ 226.3' conform @ 030, ~10 cm, fg wht/grey qtz, wht fg					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-8** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		carb, chl incl, v minor fg dissem blebs po; Qtz/carb vein @ 232.7' brecc pcs along trend, wht f - mg qtz, minor dissem po, ~ 8 cm; Brecc vein pcs @ 233.5', ~ 1 cm, boudinaged pcs, elevated fg dissem po upto ~2%, well silicified throughout; grey-grn with brecc stringer frags along fol to ~ 253', few stringers massive lokking 253 - 256'; mottled grey fg gran sil zone @ 248.5 - 249.0' carb + qtz frags in zone, minor fg py frac fill films, fol @ 060 at 251'; EOH @ 256.0'					

DRILL HOLE REPORT

Hole Number **85-9** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 288
Dip: -50
Length: 91.44
Started:
Completed:
Logged: 10-Jan-17

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment:
-All boxes backwards
-Dirty core requiring vacuuming, rinsing, minor reconstruction, minor amount of missing split core pcs in places
-No samples collected during 2016 resampling program

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298108.67
North: 4947275.1
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	288.00	-50.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **85-9** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	2.44	**Ovb** ***Overburden*** Rubbly to 8'					
2.44	8.02	**2** ***Meta-Pelitic Sediments (undifferentiat*** fg quartite and qtz-sericite phyllites, banded, well fol; dk brn, alt bio rich, qtzite rich and sericite rich layers, minor folding, minor fg dissem blebs py + po along fol, grading to 2 - 5% in places; fol @ 065 at 24'					
8.02	8.08	**10qc** ***Quartz-carbonate Vein*** upp ct app conform @ ~055, 6 cm, lower ct ~080 (x-cut), wht mg qtz, mg carb, ragged, minor mg po in small to lg blebs, tr subhedral py					
8.08	12.19	**2** ***Meta-Pelitic Sediments (undifferentiat*** Qtz vein @ 36.6' x-cut @ 090, ~ 10 cm, wht f - mg qtz, sericitic wall incl, brecc?, no carb, tr fg sulph in wall incl; Qtz/carb vein frag @ 37.2' ~ 4 cm pc, grey fg qtz, f - mg carb, wall frag incl, NVS					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-9** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
12.19	12.47	**10qc** ***Quartz-carbonate Vein*** cts missing, massive wht mg qtz, v minor fg carb, sericite incl, v minor fg py frac fill films					
12.47	21.12	**2** ***Meta-Pelitic Sediments (undifferentiat*** Qtz vein @ 43.3', app conform, 5 cm, wht fg qtz, sericite wall incl, v minor po blebs, tr py specks; core lt brn/grey qtzite ~ 42' to ~ 60'; Qtz/carb vein @ 46.4' conform?, ~10 cm, grey fg qtz, abundant sericite incl along fol, v minor fg carb, minor dissem po; 47 - ~64' elevated sulph mostly ~5% but upto 10 - 15% in places; 60.0' gradual bio increase to make core dk brn/grey, fol @ 070 - 075; porphyoblastic red/brn gt appears ~ 65'; grades to grn/grey bio/chl/qtzite schist with minor fg dissem po and gt; gt along fol fg to mg 65 - 68', to fg 69'					
21.12	21.34	**11s** ***Shear Zone*** brecciated qtz/carb vein @ 69.3', v irreg and ragged cts, wht/grey fg qtz + carb, abundant wall + chl incl; 69 - 70' brecc siliceous zone, fg qtz frags, in well fol chl schist, tr dissem sulph					
21.34	28.41	**1** ***Mafic to Intermediate Volcanics (undif*** med to dk grn, fg dense chl rich GS, mod to well pervasively carbonatized, occ stringer frags (2 - 3 mm); Qtz vein @ 74.4' conform @ 070, 1 cm, fg qtz, fg lt grn epidote alt,fg po ~ 20%, sharp cts, minor py; fol 070 - 075 at 76'; grey/wht fg granular sil zone @ 80.8 - 81.3', v minor fg carb, NVS; 83 - 85' carb smears along fol (speckled look (flattened amygdules?); Qtz/carb vein @ 86.6', conform @ 035, 7 mm, wht mg					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		qtz, mg carb at cts, sharp, tr fg dissem sulph, mild ss at cts; 90 - 91.5' bio rich, well fol, occ vein frags (old shear?)					
28.41	28.56	**10qc** ***Quartz-carbonate Vein*** upp ct missing, lower ct app 090 - 085, ~6 cm, wht f - mg qtz, f - mg carb filling frac along fol, minor fg py frac fill at lower ct, 2 specks VG at lower ct, tr tour?					
28.56	28.74	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
28.74	28.90	**10qc** ***Quartz-carbonate Vein*** x-cut?, wht f -mg qtz, mg carb, minor py blebs and frac fill films, ragged, carb + py at cts					
28.90	28.96	**1** ***Mafic to Intermediate Volcanics (undif***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		Qtz/carb vein @ 95.6', x-cut @ 045, sharp, 4 mm, mg, minor mg py/cpy; grey fg gran sil zone @ 101.3 - 101.8', minor fg carb, with fg carb frac fill, diffuse cts, mild ss at lower ct, NVS					
28.96	32.00	**11s** ***Shear Zone*** short core pcs with ss surfaces, occ boudinaged vein/stringer pcs					
32.00	35.81	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 107.3' conform @ 030, 5 cm, wht mg qtz + carb, minor fg py frac fill films, lower ct missing					
35.81	36.42	**11s** ***Shear Zone*** well fol, sil rich, numerous thin bio rich bands, numerous thin qtz stringers					
36.42	36.64	**10qc** ***Quartz-carbonate Vein***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		diffuse upp ct app 090, v ragged, wht f - mg qtz, v minor carb, numerous wall incl, chl incl tr act?, v minor fg py frac fill films					
36.64	37.19	**11s** ***Shear Zone*** brecc wht qtz vein pcs in blk bio schist with minor dissem mg blebs po, minor chl slip, v ragged lower ct; 120.6 - 122' many short core sections with ss partings; Qtz/carb vein @ 121.2 - 121.9', brecciated, abundant vein and wall frags, v minor carb, v minor py frac fill films, minor blebs po + py					
37.19	51.30	**1** ***Mafic to Intermediate Volcanics (undif*** 123 - 130' numerous thin qtz/carb stringers along fol, more abundant 123 - 124'; Qtz vein @ 148.0', x-cut?, ~ 5 cm, irreg, wht mg qtz, chl incl, v minor py frac fill films; dk grn/grey well carbonatized ; brecciated qtz/carb vein @ 161.8', ~ 2,5 cm; Qtz/carb vein @ 162.1', app conform @ 065 - 070, ~ 3 cm, grey/wht fg qtz, minor fg carb, ragged cts, hl + wall incl, minor py frac fill; 160 - 170' occ boudinaged and brecc pcs					
51.30	51.39	**10qc** ***Quartz-carbonate Vein*** brecciated, lg angular wall frags, wht mg qtz, f - mg carb, tr dissem sulph, chl incl					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-9** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
51.39	54.56	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz vein @ 178.9', x-cut, 0.5 - 1 cm, irreg, sheared with brecc qtz frags around vein, wht fg qtz, no carb, chl incl, NVS					
54.56	55.69	**11s** ***Shear Zone*** brecciated qtz/carb vein pcs along fol, , small + lg, upto 2.5 cm diam					
55.69	55.99	**10qc** ***Quartz-carbonate Vein*** app conform, wht fg carb + qtz, numerous wall frags incl, NVS					
55.99	76.44	**1** ***Mafic to Intermediate Volcanics (undif*** occ vein/stringer pcs along fol in grn/grey sil rich well carbonatized GS, variable bio content; Qtz/carb vein @ 220.7', conform @ 045, 2.5 cm, sharp, wht fg qtz + carb, chl incl, minor fg py; Qtz/carb vein @ 236.1', conforn @ 085, 2.5 cm, sharp, wht fg qtz, mg carb at upp ct, minor mica (phlogo? sericite?) incl, tr fg py in carb; brecc qtz vein @ 238.8', wht fg qtz frags; Qtz/carb vein @ 239.6' conform @ 070, 5cm, wht fg qtz, v minor fg carb, abundant chl incl, minor blebs po; Qtz/carb vein @ 242.3', conform @ 070, 5 - 7 mm, wht mg qtz + carb, abundant mg po, minor fg blebs py, tr cpy, sharp cts; boudinaged qtz/carb vein @ 249.4', @ 085, ~ 2 cm, wht fg qtz, minor fg carb, NVS					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
76.44	76.54	**10qc** ***Quartz-carbonate Vein*** conform?, ~8 cm, wht mg qtz, minor carb, chl incl, diffuse cts, minor fg dissem blebs po + py					
76.54	77.18	**1** ***Mafic to Intermediate Volcanics (undif*** grey fg gran sil zone @ 250.4 - 252.0', NVS; Carb vein @ 250.6', x-cut and conform cts, fg carb, minor blebs fg py					
77.18	77.39	**10qc** ***Quartz-carbonate Vein*** upp ct conform @ 075 - 080, ~ 15 cm, lower ct missing, wht mg qtz, minor carb, minor fg py frac fill, tr cpy					
77.39	82.60	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb/py seam @ 255.5', 5 mm, f - mg, x-cut @ 045, sharp cts; 257.5 - 258.2' zone of small qtz frags along fol (shearing) enclosing Qtz vein @ 257.8', 5 mm, x-cut @ 045, wht mg qtz, chl incl, NVS; Qtz vein @ 259.0', ~ 3 cm, slightly sheared, wht f - mg qtz, chl slips and incl, v minor blebs po; boudinaged					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		qtz/carb vein @ 262.6 - 263.3', wht f - mg qtz, chl + wall incl, chl slips, v minor fg carb, NVS; Carb vein @ 269.9', conform @ 080 - 090, 1 cm, fg carb, v minor chl incl, NVS					
82.60	82.75	**10q** ***Quartz Vein*** upp ct ~045, lower ct ~080, ragged cts, wht mg qtz, minor carb, minor py frac fill films					
82.75	83.12	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
83.12	83.33	**10qc** ***Quartz-carbonate Vein*** x-cut?, lower ct @ 075, ragged cts, wht f - mg qtz, chl incl, v minor fg carb at lower ct, minor py/cpy, minor blebs dissem po					
83.33	91.44	**1** ***Mafic to Intermediate Volcanics (undif***					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-9** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		Qtz vein @ 275.6', 2,5 cm, slightly sheared, wht fg qtz, chl incl, NVS; 277.1', Qtz veins crossing or offshoot?, 3.5 cm wht mg qtz vein @ 030, connecting to 3 cm wht mg qtz vein @ 045 against other vein, both contain v minor fg carb, chl laminations, NVS; Qtz/carb vein @ 281.5', conform, slight shearing, 2.5 - 3.5 cm, wht fg qtz, v minor carb, chl incl, minor tr py, boudinaged frag blow vein, fol @ 060; mottled grey fg gran sil zone @ 289.6 - 290.6', conform @ 080, minor dissem po blebs in darker mottled zones; 291.5 - 292.6' lt & dk grey fg granular sil zone, NVS; Brecciated vein @ 293.0 - 293.7', wht fg qtz, abundnat wall incl, minor carb, minor dissem po; 293 - 295' numerous thin stringers and frags along fol (minor shearing); Qtz/carb vein @ 294.3', cts?, wht mg qtz, ragged, fg py frac fill films; Qtz vein @ 298.7', 2.5 cm, conform? ~070, wht fg qtz, chl incl, NVS, minor dissem fg po in wall rock around vein; EOH @ 300.0'					

DRILL HOLE REPORT

Hole Number **85-10** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 288
Dip: -50
Length: 68.58
Started:
Completed:
Logged: 11-Jan-17

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment:
-All boxes backwards
-Dirty core requiring vacuuming, rinsing, minor reconstruction, minor amount of missing split core pcs in places
-No samples collected during 2016 resampling program

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298101.1
North: 4947248.83
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	288.00	-50.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **85-10** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	3.35	**Ovb** ***Overburden*** Rubbly to 17', strongly weathered to ~14'					
3.35	11.06	**2** ***Meta-Pelitic Sediments (undifferentiat*** dk grey fg qtzitic and sericitic phyllites, well fol @ 030 - 040, banded, minor dissem blebs py + po along fol ~ 5 - 10%; 19.7' boudinaged qtz/carb vein, v irreg, ~1,5 cm, wht mg qtz + carb, minor blebs py					
11.06	12.04	**10qc** ***Quartz-carbonate Vein*** upp ct missing, lower ct conform @ 080, ragged, massive wht/grey mg qtz, v minor fg carb frac fill (sub mm), minor fg py frac fill films, minor blebs po/py; no VG, gal or sphal as mentioned in original log (missing split core pcs?),					
12.04	16.28	**2** ***Meta-Pelitic Sediments (undifferentiat*** Metasediments					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-10** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
16.28	16.76	**10qc** ***Quartz-carbonate Vein*** cts missing, massiv wht f - mg qtz, v minor fg carb frac fill, v minor fg py frac fill films, minor sericite incl, minor blebs po with minor py, tr cpy, core looks bleached around veins;					
16.76	26.21	**2** ***Meta-Pelitic Sediments (undifferentiat*** lt & dk grey banded metaseds					
26.21	34.14	**2** ***Meta-Pelitic Sediments (undifferentiat*** quick gradation to dk grn/grey chl schist with gt porphyoblasts 0.5 - 1 mm, well fol 080 - 075, dissem fg blebs po ~ 5 - 10%; Qtz/carb vein @ 102.8', 2.5 cm, conform, sharp, wht mg qtz, v minor carb, NVS; 109' bio content increases to minor; 110.5 - 112.0' vein or chert zone (tending to latter), wht/grey fg gran qtz, chl incl, tr dissem blebs py and frac fill films					
34.14	35.97	**11s** ***Shear Zone*** bio rich well fol core; 115 - 117.5' v bio rich, blastomylonitic tex, fg but coarser than rest of core, occ stringers, NVS, gradational cts					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-10** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
35.97	36.36	**1** ***Mafic to Intermediate Volcanics (undif*** brnish grn/grey, fg GS, well fol, mod to weak carbonization to ~127', pervasively well carbonatized to 168'; 118 - 145' numerous thin (2 - 5 mm) qtz/carb stringers, mostly conform, occ brecc pcs; Qtz/carb vein @ 126.4', conform @ 040, 2 cm, wht fg qtz, minor carb, chl incl, minor sm blebs po; Qtz/carb vein @ 133.1', slightly sheared, ~2.5 cm, wht fg qtz, minor dissem sulph blebs; gre/wht mottled fg gran sil zone (chert zone?) @ 161.0 - 161.7', minor fg py frac fill films with tr cpy, v minor fg carb, conform @ 050; grey/wht mottled fg gran sil zone @ 167.7 - 168.0', v minor spiderlike frac fill, v minor py frac fill films; 177.0 - 178.2' zone with 3 veins, ~ 1 - 2 cm ea, wht f - mg qtz, chl incl,, NVS					
36.36	36.48	**10qc** ***Quartz-carbonate Vein*** Carb/qtz vein, conform?, wht fg, chl + wall incl, NVS					
36.48	63.55	**1** ***Mafic to Intermediate Volcanics (undif*** 119.9 - 120.8' numerous thin stringers fg carb, brecc look to frags in zone, NVS (shearing?); boudinaged Qtz/carb vein @ 204.0', 4 cm, rded frags wht fg qtz, tr carb, minor blebs py; Qtz vein @ 205.0', x-cut @ 085, 1 cm, NVS; Qtz vein @ 207.0', conform @ 065, 1 - 2.5 cm, slight shear, wht fg qtz, chl incl, NVS					
63.55	63.76	**10qc** ***Quartz-carbonate Vein***					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-10** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		cts missng, massive wht mg qtz, minor fg carb at ct (lower?), chl incl, minor py frac fill films					
63.76	67.15	**1** ***Mafic to Intermediate Volcanics (undif*** weak fol to massive, occ stringers					
67.15	67.51	**10qc** ***Quartz-carbonate Vein*** cts?, massive wht f - mg qtz, minor fg carb, 3 - 10 mm fg py seam at upp ct, v minor py frac fill films, chl + wall incl, access po, py, tr cpy at lower ct;					
67.51	68.58	**1** ***Mafic to Intermediate Volcanics (undif*** wall rock well mineralized for ~ 3 cm around vein above; EOH @ 225.0'					

DRILL HOLE REPORT

Hole Number **85-15** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 272
Dip: -58
Length: 78.03
Started:
Completed:
Logged: 12-Jan-17

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment:
-Box #7 backwards
-Dirty core requiring vacuuming, rinsing, minor reconstruction, minor amount of missing split core pcs in places
-Box #4 listed as dropped box in MNR files, (little core remains in box)
-Box #9 listed as dropped box in MNR files - major reconstruction done, still unhappy with sequencing
-No samples collected during 2016 resampling program

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298125.03
North: 4947309.01
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	272.00	-58.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **85-15** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	3.35	**Ovb** ***Overburden*** Overburden					
3.35	7.77	**2** ***Meta-Pelitic Sediments (undifferentiat*** med - dk grey, fg, med to well fol,qtzitic/sericitic phyllites with bio rich bands, compositional banding, fol @ 045, f - mg blebs of po, py with tr cpy along fol, ~ 2 - 5%, grading to 10% in places; 21 - 22' py blebs to ~ 15%					
7.77	8.23	**10qc** ***Quartz-carbonate Vein*** conform?, wht fg qtz, v minor fg carb carrying fg dissem blebs po, wall incl, sericite incl, lower ct ~080, minor blebs py/cpy, tr subhedral py					
8.23	12.19	**2** ***Meta-Pelitic Sediments (undifferentiat*** chert zone or vein @ 34.5', 6 cm, grey mottled fg granular qtz, irreg, upp ct missing, lower ct conform @ 050, minor blebs po + py; fol v strong 35 - 40', sericite rich					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-15** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
12.19	12.34	**10qc** ***Quartz-carbonate Vein*** wht f - mg qtz, v minor carb, minor blebs dissem py + po, lg blebs of vuggy fg py carrying subhedral cubes to ~1 mm, tr marcas, tr sphal?, tr aspy?, tr gal cube, lower ct conform @ 040					
12.34	17.16	**2** ***Meta-Pelitic Sediments (undifferentiat*** at 46' core becomes darker coloured + bio rich ; 51 - 55' elevated sulph blebs along fol upto ~20%, rusty core; fg py seam @ 56.8', few vugs, occ euhedral py develop't in fg matrix, minor fg carb; 54.4 - 56.0' dk grn chl schist with vfg - fg red/brn gt porphyoblasts along fol; fol @ 065; Qtz/carb vein @ 55.9', x-cut @ 080, wht fg qtz, minor carb, minor py blebs at cts, tr py frac fill films, ~ 5 cm					
17.16	19.81	**1** ***Mafic to Intermediate Volcanics (undif*** vfg, dk grn,chl GS schist, occ smears, stringers, stringer frags, weakly carbonatized					
19.81	25.60	**LC** ***Lost Core*** MNR file lists Box #4 as dropped box; v little core pcs remain in box					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-15** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
25.60	33.62	**1** ***Mafic to Intermediate Volcanics (undif*** med - dk grn GS, mod fol @ 065, pervasively well carbonatized; Qtz/carb vein @ 103.4', 1 cm, x-cut @ 080, wht mg qtz + carb, tr dissem po; Qtz/carb vein @ 104.2', 1 cm, conform?, wht fg qtz, fg carb, chl + wall incl; 104.5 - 104.7' vein or chert zone?, mottled grey/wht fg gran, NVS, ss on upper ct; vein or chert zone? 107.1 - 107.8', wht/grey fg gran, minor fg carb, heavy carb with minor disem po, tr py at lower ct					
33.62	33.89	**10qc** ***Quartz-carbonate Vein*** cts?, wht mg qtz, minor carb, wall incl, minor fg py frac fill films, ragged					
33.89	36.42	**1** ***Mafic to Intermediate Volcanics (undif*** grey mottled, fg gran sil zone @ 119.0', 4 cm, v minor fg carb; Qtz/carb vein @ 119.3', cts 080 / 065, 4 cm, sharp, wall incl, v minor carb, NVS					
36.42	36.88	**11s** ***Shear Zone*** well fol chl/bio rich core, numerous thin qtz stringers + stringer frags, minor fg dissem po, tr py					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-15** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
36.88	48.77	**1** ***Mafic to Intermediate Volcanics (undif***					
		occ thin (0.5 - 2 cm) zones of bio enriched rock,, conform, occ ss along core breaks, fol 055 to 080, tr fg py films along ss; 128.5' boudinaged vein frags, fg wht qtz, tr carb, NVS; fg py seam @ 133.7', 5 mm, minor fg carb; vein or chert zone? @ 139.0' grey fg gran qtz, fg carb, ragged cts, 4 - 5 cm, NVS; grey fg gran sil zone @ 140.7', 6 cm, conform, minor fg carb, minor wht qtz 5 mm veinlet, minor dissem po; Carb vein @ 156.7', 2 cm, cal vein with vugs upto 3 mm, cg euhedral xtals, slight pinkish hue, wall incl, slight shearing, NVS; Qtz/carb vein @ 157.4', wht fg qtz, v minor fg carb in spider web like frac fill, lg blebs (4 - 5 mm) of po, vein cut by fracture with ss running parallel to core for short distance					
48.77	54.86	**LC** ***Lost Core***					
		Box #9 listed as dropped box in MNR files, did much reconstruction work but still not happy with core					
54.86	62.48	**1** ***Mafic to Intermediate Volcanics (undif***					
		180 - 200' numerous thin qtz stringers mostly conform; Qtz/carb vein @ 182.5', 1 cm, conform @ 050, wht f - mg qtz, slight shearing, minor blebs po; Qtz/carb vein @ 182.6', 2 cm, as above (182.5')					
62.48	62.58	**10qc** ***Quartz-carbonate Vein***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		conform?, 8 cm, wht mg qtz, tr fg carb, minor py blebs + frac fill films, speck of VG at upp ct					
62.58	78.03	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz stringer @ 225.8', conform? @ 045, 3 - 5 mm, wht mg qtz, blebs cg po, tr py; dk grn with occ stringers; Qtz/carb vein @ 245.7', conform @ 040 - 045, 3 cm, wht fg qtz, chl incl, minor blebs po; Qtz/carb vein @ 246.1', conform @ 040 - 045, 3 cm, heavy fg carb with fg py, wht fg qtz, chl incl, minor po blebs; 248 - 256' occ stringer pcs/ vein frags; EOH @ 256.0'					

DRILL HOLE REPORT

Hole Number **85-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 272
Dip: -45
Length: 62.18
Started:
Completed:
Logged: 12-Jan-17

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment:
-Dirty core requiring vacuuming, rinsing
-Box #10 backwards
-No samples collected during 2016 resampling program

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298125.17
North: 4947362.62
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	272.00	-45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **85-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.22	**Ovb** ***Overburden*** Overburden					
1.22	9.14	**1** ***Mafic to Intermediate Volcanics (undif*** dk grn fg, chl rich GS, well fol @ 050, oc stringers with and against fol, pervasively well carbonatized to ~64.5'; Qtz/carb vein @ 8.5', conform, 1.5 cm, wht fg qtz + carb, chl incl, NVS; variable bio content					
9.14	12.80	**11s** ***Shear Zone*** short core sections or breaks which all show mild ss, bio ~20%					
12.80	19.11	**1** ***Mafic to Intermediate Volcanics (undif*** grey/wht fg granular siliceous zone (chert zone) @49.0', ~5 cm, conform @ 060, ss at upp ct; 51 - 54' short core sections (2- 4 cm) with ss at breaks (minor shearing); Grey/wht fg gran sil zone @ 55.3', conform, ~ 12 cm, v minor fg carb, minor dissem py cubes; gre fg gran sil zone @ 61.0', ~45 cm, minor fg carb, minor py cubes (sub mm)					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
19.11	19.51	**11s** ***Shear Zone*** well fol, biorich and chl rich core, numerous thin stringers along fol, numerous thin core sections 3 - 6 mm, with ss surfaces					
19.51	31.76	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 72.5', conform, 1,5 cm, fg, minor carb, NVS; Qtz/carb vein @ 73.8' conform, 5 cm, f - mg wht qtz, NVS; Qtz/carb vein @ 78.3' conform, 3 cm, v minor carb, NVS; 66 - ~73' highly siliceous tough core, well carbonatized; grey gran sil zone @ 90 - 91.9', conform @ 060, NVS; Qtz/carb vein @ 94.7' conform, 2.5 cm, wht f - mg qtz, minor carb, chl incl, sharp, NVS; Qtz/carb vein @ 99.3', x-cut @ 040, wht m - cg qtz, minor carb, 4 cm, sharp, NVS; Qtz/carb vein @ 101.6' conform, 1 cm, wht f - mg qtz, NVS; Qtz/carb vein @ 103.2' conform @ 060, 7 cm, mg carb, minor mg qtz, chl incl, tr py frac fill films					
31.76	31.85	**10qc** ***Quartz-carbonate Vein*** upp ct conform ~070, lower ct x-cut @ 090, 8 cm, wht mg qtz, minor carb, minor blebs fg py with some vugs, rusty, v minor py frac fill films, tr marcas, tr cpy, minor brn semi-metal, sphal?					
31.85	37.98	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 105.6', 2 - 5 cm, minor shearing, wht mg qtz, minor carb, minor fg py; Qtz/carb vein @ 107.7', conform @ 060, wht mg qtz, tr fg carb, 10 cm, sharp, chl incl, NVS; Qtz/carb vein @ 109.4',					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		conform, 2 cm, wht mg qtz, chl incl, sharp, NVS; Qtz/carb vein @ 111.9', conform, 3 - 15 mm, pinched vein, wht mg qtz, NVS; Qtz/carb vein @ 112.8', conform, 1 cm, wht fg qtz, chl incl, NVS; Qtz/carb vein @ 113.5', conform, 2.5 cm, chl incl, NVS; Qtz/carb vein @ 120.6', conform @ 060, 2.5 cm, wht mg qtz, v minor fg carb,NVS; Qtz/carb vein @ 121.2', conform, 2.5 cm, wht mg qtz, minor carb, chl incl, NVS					
37.98	38.07	**10qc** ***Quartz-carbonate Vein*** conform, 8 cm, wht mg qtz, minor carb, sharp, NVS					
38.07	47.03	**1** ***Mafic to Intermediate Volcanics (undif*** Carb/qtz vein @ 150.1', conform, 2 cm, wht fg carb + qtz, minor y, dissem blebs of py in marcas (grey powder weathering), rusty staining, chl incl					
47.03	47.55	**11s** ***Shear Zone*** chaotic zone, fg bio rich core, elevated sulph ~ 5 - 10%, dissem stringer pcs, irreg stringer/vein frags, lg flattened blebs py + po					

LITHOLOGY REPORT
- Detailed -

Hole Number **85-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
47.55	57.76	**1** ***Mafic to Intermediate Volcanics (undif*** brnish grn/grey, well fol; Qtz/carb vein @ 156.0', conform, 3 cm, wht mg qtz + carb, wall incl, minor blebs py + cpy, minor py/cpy frac fill films; Qtz/carb vein @ 162.1', conform @ 060, 10 cm, wht mg qtz, fg carb, chl incl along fol, chl wall incl, ragged lower ct, NVS; mottled grey fg gran sil zone @ 164.0', conform, 5 cm, NVS; grey gran sil zone @ 165.3', conform, 5 cm, chl incl; grey gran sil zone @ 175.2', upp ct @ 040, lower ct shows core grinding, v minor vfg carb; colour changes to dk grn, poorly carbonatized (carb restricted to stringers and veins); grnish grey, fg gran sil zone @ 175.8' - 176.2', core grinding at 176.0 + 176.2'; grey/wht fg gran sil zone @ 178.2', conform @060, 5 cm, minor fg carb, chl incl, minor bio laminations, NVS; grey fg gran sil zone @ 179.5', conform, 8 cm, minor vfg carb					
57.76	58.22	**10qc** ***Quartz-carbonate Vein*** upp ct ~065 - 070, lower ct missing, massive wht m - cg qtz, v minor carb, minor py/cpy frac fill films at cts					
58.22	62.18	**1** ***Mafic to Intermediate Volcanics (undif*** massive tex, occ stringers; EOH @ 204.0'					

DRILL HOLE REPORT

Hole Number **86-1** Project: **BANNOCKBURN** Project Number: **001**

Drilling

Azimuth: 235
Dip: -47
Length: 49.99
Started: 26-Jun-13
Completed: 26-Jun-13
Logged: 26-Jun-13

Casing

Length: 0
Pulled:
Capped:
Cemented:

Core

Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location

Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other

Logged by: John Fingas
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -Re-logged and sampled by J.F. in 2013 and in 2016 by C.F.
-Samples 332001-332010 analysed in 2016

Coordinate - Gemcom

East: 0
North: 0
Elev.: 0

Coordinate - UTM

East: 298097.1
North: 4947335.47
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-47.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-1** Project: **BANNOCKBURN** Project Number: **001**

From (m)	To (m)		Lithology	Sample #	From	To	Length	Au (g/t)
0.00	2.13	**Ovb**	***Overburden***					
2.13	5.33	**2**	***Meta-Pelitic Sediments (undifferentiat***					
5.33	6.28	**1**	***Mafic to Intermediate Volcanics (undif***					
6.28	7.71	**LC**	***Lost Core*** Sample probably used up in re-assaying					
7.71	17.16	**1**	***Mafic to Intermediate Volcanics (undif***					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-1** Project: **BANNOCKBURN** Project Number: **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
17.16	17.47	**LC** ***Lost Core*** Sample probably used up in re-assaying					
17.47	29.17	**1** ***Mafic to Intermediate Volcanics (undif***	B00006113	22.71	23.16	0.45	0.003
			B00006114	25.15	25.63	0.48	0.136
			332001	23.16	24.14	0.98	0.003
			332002	24.14	25.15	1.01	0.003
			332003	26.79	27.43	0.64	0.003
			332004	27.43	28.04	0.61	0.003
29.17	29.69	**LC** ***Lost Core*** Sample probably used up in re-assaying					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-1** Project: **BANNOCKBURN** Project Number: **001**

From (m)	To (m)		Lithology	Sample #	From	To	Length	Au (g/t)
29.69	31.88	**1**	***Mafic to Intermediate Volcanics (undif***	B00006115	29.69	29.99	0.30	0.078
				B00006116	29.99	31.21	1.22	0.250
				B00006117	31.21	31.88	0.67	42.900
31.88	32.46	**LC**	***Lost Core***					
		Sample probably used up in re-assaying						
32.46	33.10	**1**	***Mafic to Intermediate Volcanics (undif***	B00006118	32.46	33.10	0.64	2.370
33.10	33.41	**LC**	***Lost Core***					
		Sample probably used up in re-assaying						

LITHOLOGY REPORT
- Detailed -

Hole Number **86-1** Project: **BANNOCKBURN** Project Number: **001**

From (m)	To (m)		Lithology	Sample #	From	To	Length	Au (g/t)
33.41	34.14	**1**	***Mafic to Intermediate Volcanics (undif***	B00006119	33.41	33.83	0.42	0.111
				B00006120	33.83	34.14	0.31	0.345
34.14	34.44	**LC**	***Lost Core***					
			Sample probably used up in re-assaying					
34.44	35.05	**1**	***Mafic to Intermediate Volcanics (undif***	B00006121	34.44	35.05	0.61	0.123
35.05	35.97	**LC**	***Lost Core***					
			Sample probably used up in re-assaying					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-1** Project: **BANNOCKBURN** Project Number: **001**

From (m)	To (m)		Lithology	Sample #	From	To	Length	Au (g/t)
35.97	49.99	1	***Mafic to Intermediate Volcanics (undif***	B00006122	40.84	41.15	0.31	0.031
				B00006123	41.15	41.76	0.61	0.005
				B00006124	46.33	46.94	0.61	0.006
				B00006126	46.94	47.85	0.91	0.084
				332005	36.73	37.80	1.07	0.384
				332006	37.80	39.01	1.21	0.239
				332007	39.01	40.23	1.22	0.365
				332009	42.67	43.83	1.16	0.008
				332010	45.60	46.33	0.73	0.013

DRILL HOLE REPORT

Hole Number **86-2** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 76.2
Started:
Completed:
Logged: 04-Dec-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -Box #1 is missing, and has been missing since accepted into Core Library
-Reconstruction for boxes #2, #3, #4, 9 - 12

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298070.84
North: 4947357.01
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-2** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.98	**Ovb** ***Overburden*** Overburden					
1.98	10.36	**LC** ***Lost Core*** Box #1 missing, reconstruction of box #2 leaves inconsistencies up to 34', split core from 1986 sampling is all missing throughout DDH					
10.36	14.23	**1** ***Mafic to Intermediate Volcanics (undif*** med - dk grey/grn, vfg GS, massive to weakly fol, chl rich, slightly silicified, pervasive carbonatization poor; fol @035	331114	10.36	11.34	0.98	0.022
			331115	11.34	12.44	1.10	0.087
			331116	12.44	13.56	1.12	0.037
			331117	13.56	14.23	0.67	0.129
14.23	14.54	**LC** ***Lost Core*** Lost core					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-2** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
14.54	25.09	**1** ***Mafic to Intermediate Volcanics (undif*** wht/grey fg granular, siliceous zone (cherty zone) @ 58.4 - 60.4', conformable @ 038, tr dissem po, lower zone appears brecciated with chl incl; 62.5' - 15 cm zone of boudinaged vein?, chl & carb alt; wht fg gran sil zone @ 68.3', conform, 2.5 - 10 cm, slight boudinage?, ragged cts, tr sulph; unit becomes fg and mod carbonatized, minor dissem blebs po; grey fg gran sil zone @ 77.2, 1.5 cm, conform @ 028; grey/wht fg gran sil zone @ 79.3', 2.5 - 3 cm, conform	331118	14.54	15.48	0.94	0.021
			331119	15.48	16.46	0.98	0.053
			331120	16.46	17.59	1.13	0.044
			331121	17.59	18.81	1.22	0.021
			331122	18.81	19.96	1.15	0.029
			331123	19.96	21.06	1.10	0.024
			331124	21.06	22.56	1.50	0.003
			331126	22.56	23.77	1.21	0.047
			331127	23.77	25.09	1.32	0.003
25.09	25.39	**LC** ***Lost Core*** Lost core					
25.39	34.08	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 86.8', conform @ 035, 2.5 - 8 cm (slight shear?), wht mg qtz, chl incl, ragged cts, NVS; Qtz/carb vein @ 89.5', conform, 1 - 2.5 cm, mg qtz, minor carb, chl + wall incl, NVS; Qtz/carb/chl vein @ 91.0 - 92.5', boudinaged (and slumped? contorted?), fg, conform, NVS; Qtz/carb vein @ 94.6', conform @ 027, 0.5 cm, wht fg, chl + wall incl along fol, NVS; Qtz/carb/py/po seam @ 95.0', x-cut @ 060 against fol, 3 - 5 mm, fg; Qtz/carb/py/po seam @ 95.3', x-cut @ 050 against fol, 3 - 5 mm, fg; Qtz/carb/py/po seam @ 97.4', x-cut @ 047 against fol, fg	331128	25.39	25.94	0.55	0.008
			331129	25.94	26.64	0.70	0.046
			331130	26.64	27.68	1.04	0.082
			331131	27.68	28.65	0.97	0.395
			331132	28.65	29.57	0.92	3.773
			331133	29.57	30.66	1.09	1.772
			331134	30.66	31.70	1.04	0.542
			331135	31.70	32.46	0.76	0.086
			331136	32.46	33.65	1.19	0.088
			331137	33.65	34.08	0.43	0.073

LITHOLOGY REPORT
- Detailed -

Hole Number **86-2** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
34.08	34.38	**LC** ***Lost Core*** Lost core					
34.38	36.42	**1** ***Mafic to Intermediate Volcanics (undif*** mod pervasive carbonatization, minor silicification	331138	34.38	35.23	0.85	0.041
			331139	35.23	35.87	0.64	0.018
			331140	35.87	36.42	0.55	0.372
36.42	36.73	**LC** ***Lost Core*** (original log gives minor gold value in x-cut qtz/carb vein)					
36.73	56.08	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 121.4', conform, 2 cm, slightly "pulled" or boudinaged, wht f - mg qtz, NVS; 122 - 124' well fol zone, lighter colour core, well carbonatized, (minor shear?); Qtz/carb/py/po seam @ 124.1', x-cut @ 090, 4 mm, sharp, f - mg; 124 - 140' massive tex, mod carb, occ stringers; grey gran sil zone @ 140.0 - 141.4', weakly fol; Qtz/carb vein @ 154.5', conform @ 037, 2.5 cm, f- mg qtz, minor carb, abundant chl + wall incl, NVS; Qtz/carb vein @ 155.2', 1 cm, as above (154.5'); Qtz/carb vein @ 155.6', 10 cm, as above (154.5'); 157.2', 5 cm, as above (154.5'); Qtz/carb vein @ 174.0', conform, 5 cm, wht fg qtz, minor carb, chl incl, v minor fg py frac fill films	331146	41.21	42.25	1.04	0.070
			331147	42.25	43.07	0.82	0.102
			331148	43.07	44.04	0.97	0.054
			331149	44.04	44.96	0.92	0.141
			331151	44.96	45.93	0.97	0.324
			331152	45.93	46.94	1.01	0.041
			331153	46.94	48.28	1.34	0.105

LITHOLOGY REPORT
- Detailed -

Hole Number **86-2** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			331154	48.28	49.07	0.79	0.580
			331155	49.07	49.99	0.92	0.310
			331156	49.99	50.99	1.00	0.306
			331157	50.99	52.00	1.01	0.413
			331158	52.00	53.04	1.04	0.515
			331159	53.04	54.16	1.12	0.385
			331160	54.16	55.05	0.89	0.610
			331161	55.05	56.08	1.03	0.243
			331141	36.73	37.25	0.52	0.051
			331142	37.25	38.22	0.97	0.027
			331143	38.22	39.44	1.22	0.005
			331144	39.44	40.48	1.04	0.003
			331145	40.48	41.21	0.73	0.003
56.08	59.13	**LC** ***Lost Core***	331162	57.73	59.13	1.40	0.017
		Lost core					
59.13	66.39	**1** ***Mafic to Intermediate Volcanics (undif***	331163	59.13	60.02	0.89	0.067
		med - dk grn; Qtz/carb vein @ 194.0', upp ct x-cut @ 080, lower ct conform @ 033, 3 - 5 cm, wht fg qtz, NVS; Qtz/carb vein @ 200.5', conform @ 025, 4 cm, wht fg qtz, abundant wall incl, NVS	331164	60.02	61.26	1.24	0.023
			331165	61.26	62.18	0.92	0.076
			331166	62.18	63.12	0.94	0.085
			331167	63.12	64.25	1.13	0.050
			331168	64.25	65.23	0.98	0.003
			331169	65.23	65.81	0.58	0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-2** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			331170	65.81	66.39	0.58	0.012
66.39	66.69	**LC** ***Lost Core*** (original log states minor gold values in x-cut boudinaged qtz/carb vein)					
66.69	76.20	**1** ***Mafic to Intermediate Volcanics (undif*** 218 - 234' many frag pcs along fol, old shear?; 232 - 233' thin bands of po blebs ~ 0.5 - 1 mm diam; Qtz/carb vein @ 248.2', conform @ 040, 5 cm, wht mg qtz, minor carb, chl incl, minor py/po; EOH @ 250'	331171	66.69	67.15	0.46	0.538
			331172	67.15	67.64	0.49	0.014
			331173	67.64	68.58	0.94	0.005
			331174	68.58	69.49	0.91	0.008
			331176	69.49	70.29	0.80	0.033
			331177	70.29	71.48	1.19	0.192
			331178	71.48	72.63	1.15	0.152
			331179	72.63	73.82	1.19	0.143
			331180	73.82	74.58	0.76	0.096
			331181	74.58	75.50	0.92	0.101
			331182	75.50	76.05	0.55	0.124

DRILL HOLE REPORT

Hole Number **86-3** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 48.77
Started:
Completed:
Logged: 04-Dec-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type

Location
Township: MADOC
Claim No.:
NTS:
Hole:

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -Core reconstruction for Boxes #2 & 3, looks okay, but missing 1986 sampled zones

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298071.91
North: 4947391.1
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-3** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	0.91	**Ovb** ***Overburden*** Overburden					
0.91	4.27	**1** ***Mafic to Intermediate Volcanics (undif*** med - dk grn, chl rich fg GS, few qtz/carb stringers; mod fol @ 042; 8 - 9' broken core, weathered, fault or open joint	331183 331184	2.74 3.66	3.66 4.27	0.92 0.61	0.003 0.676
4.27	5.03	**LC** ***Lost Core*** (original log states minor gold value in x-cutting qtz/carb vein)					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-3** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
5.03	12.34	**1** ***Mafic to Intermediate Volcanics (undif*** grey fg granular siliceous zone ("cherty")@ 17.8 - 20.2', conform @ 042, minor bio, minor dissem blebs po + py ~5%, some small weathered vugs f marcas?; Qtz/carb vein @ 19.6', x-cut @ 085, 5 cm, v diffuse cts, wht fg qtz, minor carb, tr dissem py, minor brn bladed (radiating asterisms) bio/sericite?; Qtz/carb vein @ 22.1', conform @ 035, 2 cm, wht fg qtz, minor carb, NVS; GS fg but coarser than above, chl rich	331185	5.03	5.61	0.58	0.078
			331186	5.61	6.64	1.03	0.673
			331187	6.64	7.32	0.68	0.159
			331188	7.32	8.20	0.88	0.009
			331189	8.20	9.39	1.19	0.003
			331190	9.39	10.06	0.67	0.003
			331191	10.06	10.88	0.82	0.003
			331192	10.88	12.04	1.16	0.003
			331193	12.04	12.34	0.30	0.003
12.34	12.65	**LC** ***Lost Core*** Lost core					
12.65	14.36	**1** ***Mafic to Intermediate Volcanics (undif*** well fol, mod carbonatization; grey fg gran sil zone @ 43.8', conform, 8 cm	331194	12.65	13.56	0.91	0.033
			331195	13.56	14.36	0.80	0.003
14.36	14.66	**LC** ***Lost Core*** Lost core					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-3** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
14.66	39.84	**1** ***Mafic to Intermediate Volcanics (undif*** 48.5 - 53.7' zone of several thin grey fg gran sil zones all conform; Qtz/carb vein @ 53.0', conform @ 028, 3.5 cm, chl incl, NVS; Qtz/carb vein @ 56.1', 2.5 cm, as above (53.0'); Qtz/carb vein @ 57.3', 3 cm, as above (53.0'); grey fg gran cherty zone @ 58.4 - 58.7', diffuse cts, minor fg diffuse epidote alt; 58 - 70' strong competent core, well silicified; 78 - 81' folding, ("Z" style folding), axis of fol rotates ~ 090; 84 - 134' well silicified zone, grey in colour, numerous thin stringers or bands of cherty like material all conform @ 024; 90.6 - 103' minor brecciation with stringer frags along fol; 104 - 114' v well carbonatized; 114.0 - 114.8' greyish brn/grnish "cherty zone" with qtz, carb & chl, generally conform but with minor brecciation, some minor veinlets of qtz/carb x-cutting, NVS; 127 - 134' grey fg gran zone with minor fg carb + chl, conform @ 035	331196	14.66	15.51	0.85	0.003
			331197	15.51	16.46	0.95	0.003
			331198	16.46	17.19	0.73	0.003
			331199	17.19	18.07	0.88	0.003
			331201	18.07	19.23	1.16	0.003
			331202	19.23	20.36	1.13	0.003
			331203	20.36	21.24	0.88	0.003
			331204	21.24	22.46	1.22	0.003
			331205	22.46	23.53	1.07	0.047
			331206	23.53	24.60	1.07	0.019
			331207	24.60	25.60	1.00	0.015
			331208	25.60	26.82	1.22	0.014
			331209	26.82	27.92	1.10	0.003
			331210	27.92	28.96	1.04	0.017
			331211	28.96	29.78	0.82	0.003
			331212	29.78	31.06	1.28	0.023
			331213	31.06	31.61	0.55	0.101
			331214	31.61	31.88	0.27	0.075
			331215	32.19	32.74	0.55	0.088
			331216	32.74	33.83	1.09	0.099
			331217	33.83	34.75	0.92	0.092
			331218	34.75	35.75	1.00	0.167
			331219	35.75	36.88	1.13	0.194
			331220	36.88	37.80	0.92	0.170
			331221	37.80	38.83	1.03	0.165
			331222	38.83	39.87	1.04	0.067

LITHOLOGY REPORT
- Detailed -

Hole Number **86-3** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
39.84	40.11	**11f** ***Fault Zone*** thin weathered out open joint (~ 2 - 3 mm), vfg - fg qtz + vfg cal mineralization, thin core sections show ss surfaces, minor fracturing, frags of qtz/carb, minor py, minor rusting					
40.11	40.26	**10qc** ***Quartz-carbonate Vein*** wht mg - fg qtz, boudinaged, chl rich, minor py	331223	39.87	40.42	0.55	0.107
40.26	44.35	**1** ***Mafic to Intermediate Volcanics (undif*** numerous thin qtz/carb stringers/smears along fol to ~134', grades to mod to weakly fol GS, heavily silicified, poorly carbonatized, minor dissem po blebs; Qtz/carb vein @ 141.7', conform @ 033, 3.5 cm, wht fg qtz, chl + wall incl along fol, minor po/py blebs; 143.9 - 144.1' zone of brecciated qtz/carb vein, chl incl, minor py; 143.9 - 145.0' zone of variable colour, slight pinkish hue, diffuse grey patches, potassic alt?, vfg felsic rock highly silicified?	331224	40.42	41.33	0.91	0.117
			331226	41.33	41.76	0.43	0.319
			331227	41.76	42.52	0.76	0.140
			331228	42.52	43.56	1.04	0.071
			331229	43.56	44.29	0.73	0.079
44.35	44.90	**LC** ***Lost Core*** Lost core					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-3** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
44.90	45.93	**1** ***Mafic to Intermediate Volcanics (undif*** grey fg gran sil zone @ 147.3 - 149.0', conform @ 035, minor blebs py + po, weakly fol, lower ct grades into pinkish material as above; 150.3 - 150.7', diffuse cts to pink fg felsic unit, fsp + qtz, granitic tex, minor blebs py, v weak fol, conform, lower ct sharp ss	331230	44.96	45.87	0.91	0.087
45.93	46.27	**11s** ***Shear Zone*** sharp undulating upp ct to well fol chl rich GS with multiple thin breaks showing ss, NVS, lower ct sharp @ 044	331231	45.87	46.63	0.76	1.851
46.27	48.46	**1** ***Mafic to Intermediate Volcanics (undif*** grey fg gran sil zone @ 151.8', 10 cm, minor fg dissem po blebs; grey/wht mottled fg gran sil zone @ 153.7' - 159.0', minor dissem fg po	331232	46.63	47.40	0.77	0.167
			331233	47.40	48.34	0.94	0.049
48.46	48.77	**LC** ***Lost Core*** split core sample from 1986 gone; EOH @ 160.0'					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-3** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)

DRILL HOLE REPORT

Hole Number **86-4** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: 45
Length: 213.36
Started:
Completed:
Logged: 23-Oct-16
Comment: Includes extension

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township:
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Coordinate - Gemcom

East:	298143.98
North:	4947308.41
Elev.:	0

Coordinate - UTM

East:	298143.98
North:	4947308.41
Elev.:	0

Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-4** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.83	**Ovb** ***Overburden*** Overburden					
1.83	5.03	**2** ***Meta-Pelitic Sediments (undifferentiat*** light to dk grey, fg, well fol/banded, siliceous, sericitic and chloritic phyllite schist with minor fgdissem po + py, tr cpy; fol @ 035, minor crenulation; no carbonatization	332728	4.27	5.03	0.76	0.003
5.03	5.33	**LC** ***Lost Core*** split core from sampled interval (1986) missing; original log states x-cutting qtz/carb vein @ 058, 5 cm, tr py + po, assay below detection					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-4** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
5.33	17.07	**2** ***Meta-Pelitic Sediments (undifferentiat*** Metasediments	332729	5.33	5.97	0.64	0.006
			332730	5.97	6.80	0.83	0.003
			332731	6.80	7.71	0.91	0.007
			332732	7.71	8.75	1.04	0.006
			332733	8.75	9.81	1.06	0.003
			332734	9.81	10.67	0.86	0.006
			332735	10.67	11.73	1.06	0.010
			332736	11.73	13.08	1.35	0.003
			332737	13.08	14.02	0.94	0.003
			332738	14.02	14.87	0.85	0.007
			332739	14.87	16.12	1.25	0.003
			332740	16.12	17.31	1.19	0.011
17.07	18.90	**2r** ***Rusty Schist*** alternating qtzite + sericite rich schists, elevated sulph (~5% dissem blebs) gives core v rusty appearance, no carbonates	332741	17.31	18.29	0.98	0.019
			332011	18.29	18.90	0.61	0.030
18.90	22.19	**2** ***Meta-Pelitic Sediments (undifferentiat*** fol @ 045	332742	18.90	20.12	1.22	0.016
			332743	20.12	21.31	1.19	0.022
			332744	21.31	22.19	0.88	0.012
22.19	22.49	**LC** ***Lost Core*** split core from sampled interval (1986) missing; original log states x-cutting qtz/carb vein @ 078, 8 cm,					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		minor py + chl incl, assay below detection					
22.49	36.27	**2** ***Meta-Pelitic Sediments (undifferentiat*** 89.1 - 90' silicified zone, disrupted banding, some x-cutting stringers, minor shearing or slumping?; 94 - 99' silicified zone with numerous thin stringers/veins of qtz/carb, some x-cutting, wht cg qtz with sericitic rich frags and minor sulph, (po, py, tr cpy); occ rusty zones	332745	22.49	23.87	1.38	0.013
			332746	23.87	24.81	0.94	0.012
			332747	24.81	26.12	1.31	0.016
			332748	26.12	26.94	0.82	0.012
			332750	26.94	28.04	1.10	0.015
			332751	28.04	29.17	1.13	0.012
			332752	29.17	30.27	1.10	0.003
			332753	30.27	31.15	0.88	0.019
			332754	31.15	32.22	1.07	0.092
			332755	32.22	33.41	1.19	0.046
			332756	33.41	34.41	1.00	0.030
			332757	34.41	35.42	1.01	0.027
			332758	35.42	36.27	0.85	0.036
36.27	41.09	**2r** ***Rusty Schist*** well fol @ 040; 123.6" cg patch (~2 cm), po + py; 128.4' 1 x 2 cm bleb of py/cpy; 128.4 - 132.2' qtzite content increases to ~ 40%132.2 - 134.8' unit becomes dk grey/grn (chl rich), with dissem po ~10 - 15%, minor cpy, occ carb stringers	332012	36.27	37.19	0.92	0.026
			332013	37.19	37.95	0.76	0.050
			332014	37.95	38.80	0.85	0.012
			332015	38.80	39.65	0.85	0.041
			332016	39.65	40.51	0.86	0.128
			332017	40.51	41.09	0.58	0.022

LITHOLOGY REPORT
- Detailed -

Hole Number **86-4** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
41.09	43.83	**1** ***Mafic to Intermediate Volcanics (undif*** dk grn, fg greenstone, chl rich, numerous thin qtz/carb stringers/smears, conform @ 040, fg dissem py/po; no carbonate rection to acid	332018	41.09	42.06	0.97	0.003
			332019	42.06	42.92	0.86	0.075
			332020	42.92	43.83	0.91	0.193
43.83	44.50	**10qc** ***Quartz-carbonate Vein*** Two veins, conformable, slightly brecciated, abundant wall + chl incl, wht mg qtz, minor py, po, marcas?, irreg cts (some missing core pcs)					
44.50	45.11	**11s** ***Shear Zone*** brecciated rock, milky qtz frags (up to 5 cm), with rusty fractures, pervasive carbonatization, disrupted bedding/fol, abundant red brown gt (0.5 - 3 mm), in chl rich matrix with thin fg qtz stringers	332021	44.50	45.14	0.64	0.260
45.11	46.12	**1** ***Mafic to Intermediate Volcanics (undif*** moderately fol, well carbonatized and silicified	332022	45.14	45.78	0.64	0.032
			332023	45.78	46.27	0.49	0.091

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Hole Number **86-4** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
46.12	46.63	**10qc** ***Quartz-carbonate Vein*** vein material about top 8 cm and bottom 8 cm remain, between only brown dust/powder remains; wht mg qtz, minor py (missing pcs?)	332759	46.27	46.94	0.67	0.089
46.63	52.58	**1** ***Mafic to Intermediate Volcanics (undif*** occ grey, granular qtzite ("cherty") layers, conformable, ~ 2 - 6 cm thick, fol @ 037	332760	46.94	48.34	1.40	0.012
			332024	48.34	49.29	0.95	0.016
			332761	49.29	50.54	1.25	0.018
			332762	50.54	51.76	1.22	0.006
			332763	51.76	52.58	0.82	0.033
52.58	52.88	**LC** ***Lost Core*** split core from sampled interval missing; original log gives 5 cm qtz/carb vein, conform, minor po					
52.88	56.27	**1** ***Mafic to Intermediate Volcanics (undif*** grey/grn, well carbonatized gs; from 177.5 to 213' core has rusty appearance from numerous/abundant carb (ankerite) smears along fol	332764	52.88	54.19	1.31	0.022
			332026	54.19	55.11	0.92	0.100
			332027	55.11	56.27	1.16	1.687

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Hole Number **86-4** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
56.27	56.57	**LC** ***Lost Core*** split core from sampled interval missing; original log states 8 cm qtz/carb vein @ 051 (x-cut), chl seams at cts, poss speck(s) of vg					
56.57	57.27	**1** ***Mafic to Intermediate Volcanics (undif*** as above, (177.5')	332028	56.57	57.09	0.52	0.030
57.27	57.30	**10qc** ***Quartz-carbonate Vein*** x-cut, 8 cm, wht fg qtz, minor dissem po + py, diffuse cts, chl incl,					

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Hole Number **86-4** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
57.30	68.58	**1** ***Mafic to Intermediate Volcanics (undif*** core shows minor shearing with qtz veins showing "S" folding, brecciated frags, abundant carb smears and mild rusty appearance to 213'; Qtz vein @ 191.3' conform, 3 cm, abundant carb (ankerite), NVS; Qtz vein @ 196.5', conform, "S" fold, 1 cm, fg qtz, NVS; Qtz/carb vein @ 208.7' 2 - 3 cm, conform, wht fg qtz, minor carb + chl, ragged cts, minor dissem po; Qtz/carb vein @ 211.7', conform, 6 cm, wht fg qtz, tr po; Qtz/carb vein @ 212.7', conform, 4 cm, tr po; Qtz/carb vein @ 213.0', conform, 1 cm, fg qtz, tr po; Qtz patch or frag (~ 12 cm), Qtz patch or frag (12 cm) @ 213.3', NVS	332029	57.09	57.70	0.61	1.862
			332030	57.70	58.52	0.82	0.051
			332031	58.52	59.38	0.86	0.013
			332032	59.38	60.05	0.67	0.019
			332033	60.35	61.23	0.88	0.003
			332034	61.23	62.30	1.07	0.246
			332035	62.30	62.79	0.49	14.215
			332036	63.09	64.13	1.04	0.133
			332037	64.13	65.23	1.10	0.009
			332038	68.24	68.70	0.46	0.012
68.58	77.42	**1** ***Mafic to Intermediate Volcanics (undif*** core massive to weakly fol increasing fol with depth to moderate, occ bio rich zones + chl rich zones, well carbonatized; Qtz/carb vein @ 249.2', x-cut @ 080, 1 cm, irreg, wht fg qtz, minor po, py, tr cpy; grey gran sil zone @ 249.5', conform, 12 cm, chl incl, minor fg po	332040	72.45	73.15	0.70	0.070
			332041	73.15	73.91	0.76	0.006
			332042	73.91	74.52	0.61	0.066
			332043	74.52	75.59	1.07	0.049
			332044	75.59	76.14	0.55	0.017
77.42	82.30	**11s** ***Shear Zone*** distrubed bedding/fol, qtz frags along fol, folded bedding, core breaks show minor ss , occ crenulated fol; Qtz frags @ 258 - 259', minor cg po; Qtz/carb vein @ 263.2', x-cut, 1 cm, fg qtz, minor py, irreg	332045	78.94	79.67	0.73	0.188
			332046	79.67	80.53	0.86	0.119
			332047	80.53	81.50	0.97	0.203
			332048	81.50	82.42	0.92	0.226
82.30	82.57	**11f** ***Fault Zone***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		fault gouge; soft, highly altered chl schist with cal, py + marcas, cataclastic tex, lower ct ss @ 035					
82.57	91.44	**1** ***Mafic to Intermediate Volcanics (undif*** core becomes massive to weakly fol @ 286.6', poorly carbonatized, with few stringers; EOH @ 300' for original hole, extended later in 1986 to 500'	332049	84.40	85.04	0.64	0.064
			332050	85.04	85.86	0.82	0.167
			332051	85.86	86.41	0.55	0.121
91.44	112.81	**1** ***Mafic to Intermediate Volcanics (undif*** massive to weakly fol gs, poor to moderate carbonatization, minor bio rich zones, numerous qtz/carb stringers, tr fg dissem py; silicified zone 345 - 346' with numerous thin qtz stringers; 360.5 - 361.5' silicified zone as above (345.0'); 363.5 - 363.9' silicified zone as above (345.0'); 366.6 - 370.0' numerous x-cutting thin qtz veins carrying minor po/py	332053	94.49	95.10	0.61	0.007
			332054	95.10	95.95	0.85	0.003
			332055	99.36	100.37	1.01	0.003
			332056	102.20	103.05	0.85	0.202
			332057	107.29	108.26	0.97	0.005
			332058	108.26	109.00	0.74	0.003
			332059	109.00	109.58	0.58	0.010
			332060	109.58	110.34	0.76	0.028
			332061	110.34	110.70	0.36	0.003
			332062	110.70	110.92	0.22	0.003
			332063	110.92	111.68	0.76	0.003
			332064	112.01	112.56	0.55	0.003
112.81	113.02	**10qc** ***Quartz-carbonate Vein*** x-cut, 2.5 cm, wht fg qtz, minor py frac fill films, minor blebs po at cts					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
113.02	113.72	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332065	112.56	113.51	0.95	0.257
113.72	113.87	**10qc** ***Quartz-carbonate Vein*** x-cut @ 050, 14 cm, wht mg qtz, minor po, sharp cts					
113.87	119.57	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 374.5', 1 cm, conform, slightly bougdinaged, irreg, minor po; Qtz/carb vein @ 375.5', conform, 5 cm, grey cg qtz, minor shearing at cts, minor po; grey gran sil zone @ 385.0', conform, 5 cm, Qtz/carb vein @ 386.9', x-cut, 4 mm, minor po blebs, tr cpy; grey gran sil zone @ 391.7', po rich wall frag in wht/grey qtz	332066 332067	113.51 117.04	114.51 117.87	1.00 0.83	0.081 0.010
119.57	119.60	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, 6 cm, wht mg qtz, minor mg po, minor mg cpy	332068	119.42	119.73	0.31	0.402

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Hole Number **86-4** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
119.60	121.34	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332069	119.73	120.21	0.48	0.049
121.34	121.37	**10qc** ***Quartz-carbonate Vein*** x-cut, 2 cm, wht cg qtz, minor cg po					
121.37	121.74	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
121.74	122.50	**11s** ***Shear Zone*** brecciated zone 399.5 - 400.7', stringers at all attitudes, pervasive carbonization, minor dissem po/py; 400.7 - 402' brn bio rich with abundant cal throughout and in thin stringers; blastomylonitic tex	332070	121.62	122.32	0.70	0.035

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Hole Number **86-4** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
122.50	123.44	**1** ***Mafic to Intermediate Volcanics (undif*** bio rich and stringer rich zone for ~ 35 cm grading back to mod fol core; Qtz/carb vein @ 401.7', conform, 2.5 cm, wht cg qtz, minor cg po, tr py + cpy; Qtz/carb vein @ 402.3', x-cut, 2.5 cm, wht cg qtz, cg po; Qtz vein @ 403.1', x-cut @ 075, 1.5 cm, minor po	332071	122.80	123.69	0.89	0.003
123.44	124.05	**11s** ***Shear Zone*** brecciated frags with numerous thin stringers and elevated sulph, (blebs of po)	332073	123.69	124.39	0.70	0.010
124.05	143.93	**1** ***Mafic to Intermediate Volcanics (undif*** weak fol to massive tex gs, grey, gran sil zone @ 441.0', fol begins to increase with depth	332074	127.10	128.17	1.07	0.018
			332075	131.67	132.50	0.83	0.003
			332076	142.19	142.74	0.55	0.286
			332077	142.95	143.77	0.82	0.366
143.93	143.96	**10qc** ***Quartz-carbonate Vein*** conform, 5 cm, cg wht cal, minor qtz, minor cg po					

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Hole Number **86-4** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
143.96	147.37	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 475.3', conform?, pinching, ~2 cm - 5 mm, carrying cg po blebs; 475.9' `12 cm zone of fine branching x-cutting veinlets (1 0 2 mm) of fg po; Qtz/carb vein @ 480.6', x-cut @ 080, 10 cm, wht mg qtz, minor po; Qtz/carb vein @ 481.0', x-cut @ 090, 3 cm, cg qtz + po; Qtz/carb vein @ 482.5', x-cut @ 080, 1.5 cm wht mg qtz, minor po/py at lower ct; Qtz/carb vein @ 482.8', x-cut, 2.5 cm, wht mg qtz, minor po at lower ct, tr cpy	332078	143.77	144.48	0.71	0.106
			332079	144.48	144.96	0.48	0.071
			332080	144.96	145.33	0.37	0.003
			332081	145.33	145.85	0.52	0.009
			332082	145.85	146.43	0.58	0.036
			332083	146.43	147.34	0.91	0.072
147.37	147.55	**10qc** ***Quartz-carbonate Vein*** x-cut @ 090, mg qtz, minor 1mm seam py/po at lower ct, sharp cts, minor py frac fill films					
147.55	152.40	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 495.3', conform but irreg, 2.5 cm, tr sulph; EOH @ 500'/152.4m	332084	147.61	148.38	0.77	0.010
			332085	148.38	149.35	0.97	0.003
			332086	149.35	150.27	0.92	0.003
			332088	150.27	150.88	0.61	0.252
			332089	150.88	151.82	0.94	0.266

DRILL HOLE REPORT

Hole Number **86-5** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -60
Length: 152.4
Started:
Completed:
Logged: 25-Oct-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: Overlapping intervals from 710.13-71.72m, 120.52-121.92m and 124.82-126.22m at the time of report. Pending data verification.

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298143.98
North: 4947308.41
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-60.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-5** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.22	**Ovb** ***Overburden*** broken pcs to ~7'					
1.22	31.42	**2** ***Meta-Pelitic Sediments (undifferentiat*** qtzitic and sericitic phyllite/schist, (pelitic mudstones, quartzites, pyritic schists); fg light to dk grey, well fol @ 030, fg dissem blebs of py + po along fol, generally sulph ~ 5%, but grading to 15% in certain bands/horizons, bleached looking sericite rich zones @ 20 - 23', & 27'; 31 - 32' parasitic "S" folding; Qtz/carb vein @ 49.6', x-cut @ 060, 2.5 cm, wht mg qtz, sharp cts, minor dissem po + py; Qtz/carb vein @ 75.6', conform, 3 cm, irreg, minor po; Qtz vein @ 82.0', conform, 2.5 cm, sharp cts, wht mg qtz, vfg dissem sulph; distrubed fol 82 - 86'; 83 - 84' siliceous zone with chl and sericite, sulph sharply increase with po to ~10%, py ~1%, tr cpy, dropping after 84'; Qtz vein @ 97.3', x-cut @ 085, 1.5 cm, minor po + py, tr cpy, sharp cts, bleached above and below vein	332765	7.92	8.99	1.07	0.003
			332766	8.99	10.33	1.34	0.006
			332767	10.33	11.16	0.83	0.003
			332768	11.16	12.41	1.25	0.005
			332769	12.41	13.78	1.37	0.003
			332770	13.78	14.90	1.12	0.014
			332771	14.90	16.15	1.25	0.013
			332772	16.15	17.07	0.92	0.028
			332773	17.07	18.14	1.07	0.025
			332775	18.14	19.35	1.21	0.027
			332776	19.35	20.51	1.16	0.022
			332777	20.51	21.79	1.28	0.014
			332778	21.79	22.80	1.01	0.007
			332779	22.80	23.93	1.13	0.011
			332780	23.93	24.90	0.97	0.014
			332781	24.90	25.66	0.76	0.010
			332782	25.66	26.30	0.64	0.024
			332783	26.30	27.52	1.22	0.054
			332784	27.52	28.71	1.19	0.058
			332090	28.71	29.41	0.70	0.032
			332091	29.41	29.81	0.40	0.006

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			332092	29.81	30.78	0.97	0.040
			332093	30.78	31.42	0.64	0.039
31.42	31.82	**10qc** ***Quartz-carbonate Vein*** conform, sheared cts? (missing pcs?), milky grey fg qtz, heavy po, py, tr cpy at cts					
31.82	39.84	**2** ***Meta-Pelitic Sediments (undifferentiat*** At 121.0' 5 cm sericitic zone with thin (2 - 4 mm) seam of cg po x-cutting through; sericitic zones at 121 - 123', 127 - 128'	332094	31.42	32.80	1.38	0.047
			332095	32.80	33.59	0.79	0.038
			332096	33.59	34.35	0.76	0.047
			332097	34.35	35.05	0.70	0.028
			332098	35.05	35.42	0.37	0.021
			332100	35.42	36.52	1.10	0.022
			332101	36.52	37.12	0.60	0.003
			332102	37.12	37.92	0.80	0.005
			332103	37.92	38.47	0.55	0.014
			332104	38.47	39.01	0.54	0.008
			332105	39.01	40.08	1.07	0.016
39.84	40.84	**2** ***Meta-Pelitic Sediments (undifferentiat*** fg, grey/grn, gt/chl schist, strongly schistose, (chl, bio, sericite, qtz, minor sulphides), conform ct; dk red gt 0.5 - 1 mm numerous along fol bands, gt to 3 - 4 mm at 133.5'	332106	40.08	41.15	1.07	0.009

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Hole Number **86-5** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
40.84	43.28	**11s** ***Shear Zone*** Brecciated zone, irreg pods and frags of qtz/carb stringers and veins; first appearance of carb reaction in fg layers along fol, lg blebs of po + py; occ mylonitic thin bands	332107	41.15	42.03	0.88	0.047
			332108	42.03	42.70	0.67	0.005
			332109	42.70	43.71	1.01	0.003
43.28	49.99	**1** ***Mafic to Intermediate Volcanics (undif*** fg, dk grn/grey, strongly fol, chl rich, moderately carbonatized GS, sharp conform ct; Sulph seam @ 149.1', conform, 1 cm, cg po + py; 152.7 - 153.3' zone of strong sericitic alteration, yellow/orange rust staining, friable core, rich in fg po/py; grey fg gran sil zone @ 159.4 - 161.2', conform, tr carb in fine frac fill; Qtz/carb vein @ 169.6', x-cut @ 070, 5 cm, v minor carb, tr fg dissem sulph	332110	43.71	44.50	0.79	0.094
			332111	44.50	45.26	0.76	0.301
			332112	45.26	45.57	0.31	3.514
			332113	45.57	46.21	0.64	0.047
			332114	46.21	46.63	0.42	5.324
			332115	46.82	47.55	0.73	0.071
			332785	47.55	48.52	0.97	0.016
			332117	48.52	49.23	0.71	0.016
			332786	49.23	50.32	1.09	0.012
49.99	50.60	**11s** ***Shear Zone*** moderate shearing	332787	50.32	50.78	0.46	0.009

LITHOLOGY REPORT
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Hole Number **86-5** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
50.60	53.04	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 169.6', x-cut @ 060, sharp cts, wht mg qtz, tr po + py; 170' unit becomes well carbonatized	332118	50.78	51.54	0.76	0.016
			332119	51.54	51.82	0.28	8.708
			332120	51.82	52.67	0.85	0.026
			332121	52.67	52.97	0.30	0.106
53.04	53.34	**11s** ***Shear Zone*** well fol, cal stringers conform					
53.34	54.47	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 175.0', conform @ 027, 1.5 cm, sharp cts, v minor carb, NVS	332122	52.97	53.95	0.98	0.052
			332123	53.95	54.44	0.49	1.201
54.47	54.65	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, wht mg qtz, minor carb, upper ct show cg cal + VG, lower ct shows m - cg po, tr py, middle of vein wht qtz	332124	54.44	54.74	0.30	57.755

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Hole Number **86-5** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
54.65	63.76	**1** ***Mafic to Intermediate Volcanics (undif*** fol at 183' @ 035; Qtz/carb vein @ 198.5', conform @ 040, 6 cm, wht mg qtz, NVS, 15 - 25 cm above and below vein shows sericite/chl alteration, carb poor; 206' unit becomes bio rich, chl poor, siliceous with abundant stringers and frags; Qtz/carb vein @ 206.5', 3.5 cm, x-cut, minor py + po; 207 - 209' zone of numerous thin qtz stringers	332125	54.74	55.50	0.76	0.027
			332126	55.50	56.54	1.04	0.003
			332127	56.54	57.27	0.73	0.003
			332128	57.27	58.00	0.73	0.066
			332129	58.00	58.80	0.80	0.106
			332130	58.80	59.47	0.67	0.003
			332131	59.47	60.29	0.82	0.007
			332132	60.29	61.02	0.73	0.005
			332133	61.02	61.84	0.82	0.007
			332134	61.84	62.48	0.64	0.013
			332135	62.48	62.85	0.37	0.018
			332136	62.94	63.15	0.21	0.265
			332137	63.15	63.98	0.83	0.156
63.76	64.22	**10qc** ***Quartz-carbonate Vein*** cts show conform and x-cut attitudes, (slight shearing?), heavy py + po near lower ct, blebs of py, cg carb at upper ct					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
64.22	71.48	**1** ***Mafic to Intermediate Volcanics (undif*** 210.9 - 214.1' numerous thin conform qtz stringers, (minor shear?), well fol; Qtz/carb vein @ 218.5', conform, 2.5 cm, minor dissem py; Qtz/carb vein @ 228.0', conform, 2.5 cm, minor py, sharp cts	332138	63.98	65.50	1.52	0.274
			332139	65.50	65.84	0.34	0.020
			332140	65.84	66.39	0.55	0.098
			332788	66.69	67.94	1.25	0.025
			332142	67.94	68.70	0.76	0.046
			332143	68.70	69.31	0.61	0.116
			332144	69.34	69.65	0.31	0.118
			332145	69.65	70.13	0.48	0.439
			332789	70.13	71.41	1.28	0.101
71.48	71.60	**10qc** ***Quartz-carbonate Vein*** x-cut slightly, 12 cm, wht m - cg qtz, cg carb, numerous wall frags incl, tr fg dissem sulph	332146	71.38	71.72	0.34	0.007
71.60	88.39	**1** ***Mafic to Intermediate Volcanics (undif*** 243 - 246.4' zone of brown core, bio rich, chl poor, well carb, well fol @ 030, bio content not as high but present to ~ 272', fol to 065 at 276'	332147	71.72	72.21	0.49	0.003
			332790	72.21	73.37	1.16	0.024
			332791	73.37	74.62	1.25	0.005
			332792	74.62	75.68	1.06	0.008
			332793	75.68	77.05	1.37	0.016
			332148	77.05	77.69	0.64	0.006
			332149	77.69	78.03	0.34	0.006
			332150	78.03	78.49	0.46	0.003
			332794	78.49	79.61	1.12	0.003
			332795	79.61	80.71	1.10	0.003
			332796	80.71	81.90	1.19	0.003

Hole Number **86-5** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			332797	81.90	83.21	1.31	0.003
			332798	83.21	84.12	0.91	0.011
			332800	84.12	84.73	0.61	0.006
			332151	84.73	85.40	0.67	0.186
			332152	85.40	85.71	0.31	0.057
			332153	85.71	86.72	1.01	0.015
			332801	86.72	87.17	0.45	0.040
			332802	87.17	88.33	1.16	0.053
88.39	88.82	**10qc** ***Quartz-carbonate Vein*** conform, wht mg qtz, minor carb, tr fg sulph	332803	88.33	88.88	0.55	0.086
88.82	108.81	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 330.7', conform, 1.5 cm, wht mg qtz, sharp cts, tr sulph; Qtz/carb vein @ 303.2', x-cut, 1 cm, 3 mm seam po at lower ct; Qtz/carb vein @ 304.1', x-cut, 1 .5 cm, cg carb, NVS; grey fg gran sil zone @ 305.7 - 307.4', ragged cts, minor chl incl and epidote alt, minor po, tr py; Qtz/carb vein @ 310.6' , conform @ 035, 6 cm, slight boudinage, po blebs up to 5 mm; Qtz/carb vein @ 324.8', conform, 4 cm, slightly boudinaged, ragged cts, minor carb, NVS; Qtz/carb vein @ 345.5', generally conform, (upp ct 025/ loer ct @ 045), 3 cm, wht mg qtz, ragged cts, NVS	332804	88.88	90.04	1.16	0.010
			332805	90.04	90.53	0.49	0.041
			332806	90.53	91.47	0.94	0.022
			332154	91.47	92.23	0.76	0.028
			332155	92.23	92.99	0.76	0.037
			332157	92.99	93.63	0.64	0.019
			332158	93.63	94.43	0.80	0.142
			332807	94.43	95.31	0.88	0.436
			332808	95.31	96.80	1.49	0.120
			332809	96.80	98.18	1.38	0.003
			332810	98.18	99.36	1.18	0.003
			332811	99.36	100.37	1.01	0.006

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			332812	100.37	101.38	1.01	0.025
			332813	101.38	102.41	1.03	0.299
			332814	102.41	103.11	0.70	0.132
			332159	103.11	103.72	0.61	0.063
			332160	103.72	104.61	0.89	0.223
			332815	104.61	105.95	1.34	0.320
			332161	105.95	106.59	0.64	0.993
			332162	106.59	107.41	0.82	0.459
			332816	107.41	108.51	1.10	0.180
108.81	111.56	**11s** ***Shear Zone*** minor shear, well fol, lg cal stringers anf carb frags, numerous cal stringers, NVS but rock carries occ blebs of po, occ ss surfaces on core breaks	332817	108.51	109.42	0.91	0.303
			332818	109.42	110.28	0.86	0.165
			332163	110.28	110.86	0.58	0.091
			332164	110.86	111.65	0.79	0.176
111.56	120.24	**1** ***Mafic to Intermediate Volcanics (undif*** 366.7' - 6 cm zone of qtz/po with minor carb; Qtz/carb vein @ 369.5', 3 cm, sharp cts, "S" folded, abundant po; fol becomes weak; dissem sulph elev to ~2% between 369 - 380'; Qtz/ carb vein @ 375.5', 3 cm, conform @ 030, sharp cts, NVS, just above vein shows heavy po, minor py tr cpy ~ 5 cm; grey/wht fg gran sil zone @ 383.9 - 385.3', conform @ 060, tr po along cts; grey/wht fg gran sil zone as above @ 385.6 - 386.2'; gs is bio rich and well fol between sil zones	332165	111.65	112.35	0.70	0.131
			332166	112.35	113.14	0.79	0.103
			332167	113.14	114.24	1.10	0.136
			332168	114.24	114.60	0.36	0.037
			332169	114.60	115.43	0.83	0.044
			332170	115.43	116.13	0.70	0.637
			332171	116.13	116.92	0.79	0.070
			332173	116.92	117.56	0.64	0.039
			332819	117.56	118.60	1.04	0.428
			332174	118.60	119.60	1.00	0.031
			332175	119.60	120.21	0.61	0.029

LITHOLOGY REPORT
- Detailed -

Hole Number **86-5** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
120.24	120.49	**10qc** ***Quartz-carbonate Vein*** x-cut @ 065, wht mg qtz, minor carb, minor po + py, tr cpy, sharp cts (missing pcs?)	332176	120.21	120.52	0.31	1.971
120.49	150.57	**1** ***Mafic to Intermediate Volcanics (undif*** bio content diminishes to 400', fg dissem po ,minor py tr cpy along fol in horizons up to ~5% to about 416'; Qtz/carb vein @ 428.6', missing pcs, tr po; Qtz/carb vein @ 443.4', x-cut, 5 cm, minor carb, ragged cts, minor blebs py; Qtz/carb vein @ 446.8', conform, 8 cm, minor carb, tr sulph; Qtz vein @ 447.5', 10 cm, wht mg qtz, sharp cts, NVS; 461' sharp increase in bio content; Qtz/carb vein @ 461.6', conform, 6 cm, sharp cts, v minor carb, NVS; ~470 - 480' sulph increase to ~ 5%, dropping to ~2% after; increasing at ~494' onwards; Qtz/carb vein @ 470.8', roughly conform, ragged cts, wall incl, tr po/py	332177	120.52	121.19	0.67	0.166
			332178	121.16	121.92	0.76	0.108
			332179	121.92	122.65	0.73	0.148
			332180	122.65	123.38	0.73	0.209
			332820	123.38	124.82	1.44	0.128
			332181	124.82	125.52	0.70	0.244
			332182	125.43	126.22	0.79	0.103
			332821	126.22	127.41	1.19	0.298
			332822	127.41	128.44	1.03	0.082
			332823	128.44	129.24	0.80	0.059
			332183	129.24	129.84	0.60	0.084
			332184	129.84	130.48	0.64	0.044
			332185	130.48	130.79	0.31	11.196
			332186	130.79	131.43	0.64	0.114
			332187	131.43	132.16	0.73	0.038
			332825	132.16	133.08	0.92	0.036
			332826	133.08	134.17	1.09	0.008
			332827	134.17	135.48	1.31	0.007
			332828	135.48	136.55	1.07	0.027
			332829	136.55	137.62	1.07	0.017
			332830	137.62	138.62	1.00	0.005

LITHOLOGY REPORT
- Detailed -

Hole Number **86-5** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			332831	138.62	139.60	0.98	0.013
			332832	139.60	140.91	1.31	0.024
			332833	140.91	142.04	1.13	0.016
			332834	142.04	143.13	1.09	0.008
			332835	143.13	144.23	1.10	0.017
			332836	144.23	145.30	1.07	0.011
			332837	145.30	146.36	1.06	0.007
			332838	146.36	147.65	1.29	0.006
			332839	147.65	148.65	1.00	0.006
			332840	148.65	150.11	1.46	0.135
			332188	150.11	150.54	0.43	0.130
150.57	150.78	**10qc** ***Quartz-carbonate Vein***	332189	150.54	150.82	0.28	0.526
		x-cut @ 075 - 090, sharp but irreg cts, wall incl, milky to grey fg qtz, mg po ~15%					
150.78	152.40	**1** ***Mafic to Intermediate Volcanics (undif***	332190	150.82	151.18	0.36	0.085
		EOH @ 500'	332841	151.18	152.40	1.22	0.254

DRILL HOLE REPORT

Hole Number **86-6** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 60.96
Started:
Completed:
Logged: 16-Oct-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: Overlapping intervals from 55.6-57.0m at the time of report. Pending data verification.

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298100.53
North: 4947347.56
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-6** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	2.13	**Ovb** ***Overburden*** Overburden					
2.13	32.89	**1** ***Mafic to Intermediate Volcanics (undif*** fg, med grn, chloritic, greenstone, to dk grn by 43', fg dissem blebs of po, minor py, tr cpy, 1 - 5% along fol, well carbonatized, well fol @ 040; Qtz/carb vein @ 34.5', conform, 25 cm, wht mg qtz, tr py; Qtz/carb vein @ 64.3', conform, 10 cm, ragged cts, fg granular qtz, wall incl, tr sulph; by 65' fol to 045, 65 - 68' numerous thin qtz.carb stringers all conform, fol to 030 by 84'	332842	2.13	3.54	1.41	0.007
			332843	3.54	4.79	1.25	0.006
			332844	4.79	5.88	1.09	0.003
			332845	5.88	7.10	1.22	0.003
			332846	7.10	8.26	1.16	0.003
			332847	8.26	9.17	0.91	0.003
			332848	9.17	9.94	0.77	0.008
			332192	9.94	10.49	0.55	0.016
			332193	10.49	10.79	0.30	0.268
			332194	10.79	11.58	0.79	0.012
			332850	11.58	12.80	1.22	0.011
			332851	12.80	14.02	1.22	0.010
			332852	14.02	15.27	1.25	0.003
			332853	15.27	16.46	1.19	0.012
			332854	16.46	17.83	1.37	0.008
			332855	17.83	18.81	0.98	0.012
			332856	18.81	19.26	0.45	0.003
			332195	19.26	19.87	0.61	0.003
			332196	19.87	20.73	0.86	0.003
			332857	20.73	21.85	1.12	0.010
			332858	21.85	22.80	0.95	0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-6** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			332859	22.80	23.80	1.00	0.166
			332860	23.80	25.05	1.25	0.009
			332861	25.05	26.18	1.13	0.003
			332862	26.18	27.58	1.40	0.005
			332863	27.58	28.65	1.07	0.003
			332864	28.65	29.75	1.10	1.135
			332865	29.75	30.88	1.13	0.032
			332866	30.88	32.31	1.43	0.069
			332197	32.31	32.80	0.49	0.034
32.89	32.95	**10qc** ***Quartz-carbonate Vein***	332198	32.80	33.10	0.30	1.148
		x-cutting at 080, 10 cm, wht mg qtz, sharp cts, wall incl, minor mg dissem po, minor py, tr cpy					
32.95	39.62	**1** ***Mafic to Intermediate Volcanics (undif***	332199	33.10	33.83	0.73	0.842
		several qtz/carb/po veins between 108.9 - 109.5', x-cutting, mg qtz + po; 113 - 114' two qtz/carb/po veins, ~ 2 cm, x-cutting; about 116' rock becomes weakly carbonatized becoming well carbonatized again about 130'	332200	33.83	34.20	0.37	0.388
			332201	34.20	35.02	0.82	0.251
			332202	35.02	35.60	0.58	0.121
			332867	35.60	36.67	1.07	0.873
			332868	36.67	37.80	1.13	0.308
			332869	37.80	39.01	1.21	0.182
			332870	39.01	40.02	1.01	0.379
39.62	40.23	**11s** ***Shear Zone***					
		numerous thin qtz/carb stringers (0.5 - 2 mm), conform, occ small brecciated frags					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-6** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
40.23	42.25	**1** ***Mafic to Intermediate Volcanics (undif***	332871	40.02	41.42	1.40	0.103
		well carbonatized to ~138'	332203	41.42	42.25	0.83	0.067
42.25	42.31	**10qc** ***Quartz-carbonate Vein***					
		x-cut @ 090, wht mg qtz, minor carb, wall incl, sharp cts, chl incl, tr fg py + cpy, minor po at cts, v minor py frac fill films					
42.31	46.33	**1** ***Mafic to Intermediate Volcanics (undif***	332204	42.25	42.55	0.30	39.753
		moderate to weak carbonatization, massive tex to weak fol; Qtz/carb boudinaged frag 2 - 6 cm, irreg, generally conform, minor po at cts	332205	42.55	43.31	0.76	1.669
			332206	43.31	43.89	0.58	0.052
			332872	43.89	45.42	1.53	0.032
			332207	45.42	46.24	0.82	0.023
46.33	46.45	**10qc** ***Quartz-carbonate Vein***	332208	46.24	46.54	0.30	0.031
		x-cut, irreg, sharp cts, wht to grey fg qtz, minor carb, wall frags incl, seam of mg po along seam at ct, tr fg py + cpy					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-6** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
46.45	49.04	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332209	46.54	47.21	0.67	0.039
			332873	47.21	48.34	1.13	0.071
			332874	48.34	49.50	1.16	0.048
49.04	49.07	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, 1.5 cm, wht mg qtz, minor carb, minor mg po ~5%, tr specks py					
49.07	60.96	**1** ***Mafic to Intermediate Volcanics (undif*** At 168.2' - grey/white fg granular siliceous zone, conform, 17 cm, minor fg carb, minor fg dissem blebs of po along fol; grey gran sil zone @ 170.6', as above (168.2'), 15 cm ; 174.2 - 175.4' numerous mm scale veinlets/stringers, conform, elevated sulpides, 5 - 15%, cg po + py, tr fg cpy; occ bio rich zones about 5 cm thick; EOH @ 200'	332876	49.50	50.47	0.97	0.538
			332877	50.47	51.15	0.68	0.050
			332211	51.15	51.57	0.42	0.442
			332212	51.57	52.46	0.89	0.124
			332213	52.46	53.10	0.64	0.391
			332214	53.10	53.46	0.36	0.321
			332215	53.46	54.04	0.58	0.142
			332216	54.04	54.86	0.82	1.041
			332217	54.86	55.60	0.74	0.549
			332218	55.60	56.33	0.73	0.135

LITHOLOGY REPORT
- Detailed -

Hole Number **86-6** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	*To* (m)	*Lithology*	*Sample #*	*From*	*To*	*Length*	*Au* (g/t)
			332219	56.21	57.00	0.79	1.217
			332220	57.00	57.58	0.58	0.592
			332878	57.58	58.70	1.12	0.713
			332879	58.70	59.92	1.22	0.557
			332880	59.92	61.11	1.19	0.384

DRILL HOLE REPORT

Hole Number **86-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -60
Length: 109.51
Started:
Completed:
Logged: 26-Oct-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole:

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -reconstruction of box #12, some missing pcs here, and possibly in other boxes where core has been split
-reconstruction of box #19, looks okay

Coordinate - Gemcom
East: 298100.53
North: 4947347.56
Elev.: 0

Coordinate - UTM
East: 298100.53
North: 4947347.56
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-60.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.62	**Ovb** ***Overburden*** Overburden					
1.62	10.24	**1** ***Mafic to Intermediate Volcanics (undif*** Greenstone, fg, dk grn/grey, occ qtz/carb stringers, mainly conform to fol, first 50' shows minor bio and fg dissem sulph ~1%, fol @ 043; well carbonatized to ~60'	332881	1.62	2.74	1.12	0.003
			332882	2.74	3.87	1.13	0.003
			332883	3.87	4.82	0.95	0.006
			332884	4.82	6.34	1.52	0.003
			332885	6.68	7.80	1.12	0.003
			332886	7.80	8.75	0.95	0.003
			332887	8.75	9.60	0.85	0.003
			332221	9.60	10.21	0.61	0.014
10.24	10.67	**10qc** ***Quartz-carbonate Vein*** conform @ 040 on upper ct, lower ct @ 060, whtmg qtz, minor carb, tr fg py close to lower ct	332222	10.21	10.70	0.49	12.100

LITHOLOGY REPORT
- Detailed -

Hole Number **86-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
10.67	27.43	**1** ***Mafic to Intermediate Volcanics (undif*** grey fg granular siliceous zone @ 38.0- 41.4', tr vfg dissem po; zone contains Qtz/carb vein @ 40.4 - 41.4', conformable, wht mg qtz, chl + wall frags (well mineralized), qtz only carries minor cg carb; lower ct has 3 cm well fol bio rich shear zone; grey/wht gran sil zone @ 42.1 - 44.0', minor fg carb, lower ct shows 5 cm zone of well fol bio rich shear zone with minor fg po; grey/wht fg gran sil zone @ 49.9 - 50.6', conform with thin layers of blk/brn mg bio along fol; 50 - 60' gs has massive tex, finer gr, weak carbonatization, few stringers; Qtz vein @ 65.8', wht fg qtz, conform, NVS (some missing split core pcs?); grey/wht gran sil zone @ 73.3 - 73.7', conform, minor fg carb, minor po frac fill + fg dissem blebs; Calcite/qtz vein @ 75.5', x-cut @ 045, 1 cm, irreg, mg cal + qtz, minor mg po, chl incl; 78.4' 7 cm zone of diffuse qtz, carb, epidote with minor dissem py	332223	10.70	11.34	0.64	0.021
			332888	11.34	12.65	1.31	0.003
			332889	12.65	14.30	1.65	0.003
			332890	14.30	15.18	0.88	0.008
			332891	15.18	16.46	1.28	0.003
			332892	16.46	17.47	1.01	0.003
			332893	17.47	18.78	1.31	0.003
			332894	18.78	19.51	0.73	0.007
			332895	19.51	20.67	1.16	0.006
			332896	20.67	21.79	1.12	0.008
			332224	21.79	22.46	0.67	0.031
			332225	22.46	23.23	0.77	0.156
			332897	23.23	24.41	1.18	0.033
			332898	24.41	25.60	1.19	0.009
			332899	25.60	26.79	1.19	0.003
			332901	26.79	27.95	1.16	0.012
27.43	27.74	**11s** ***Shear Zone*** numerous closely spaced carb rich qtz/carb stringers (0.5 -5 mm), stronger fol in zone than above or below but rock is still very competent. Old healed shear zone?					
27.74	28.68	**1** ***Mafic to Intermediate Volcanics (undif*** moderate to weak cabonatization, occ qtz/carb stringers mostly conform, thin to start (~5 mm), thickening with depth;	332902	27.95	29.08	1.13	0.007

LITHOLOGY REPORT
- Detailed -

Hole Number **86-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
28.68	28.93	**10qc** ***Quartz-carbonate Vein*** conform, very carb rich, sharp cts, some small wall rock incl, NVS in vein, minor dissem po in wall rock					
28.93	33.01	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 99.4', conform, 5 cm, wht mg qtz, sharp cts, NVS; stringers increase in width and become carb rich	332903	29.08	30.18	1.10	0.102
			332904	30.18	30.94	0.76	0.006
			332905	30.94	31.61	0.67	0.009
			332227	31.61	32.19	0.58	0.048
			332228	32.19	32.92	0.73	1.929
33.01	33.13	**10qc** ***Quartz-carbonate Vein*** x-cut @ ~090, whtmg qtz, v minor carb, sharp but irreg cts, well mineralized along lower ct (cg py + po), tr cpy with py, lower ct shows seam mg bio	332229	32.92	33.22	0.30	0.025

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Hole Number **86-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
33.13	37.80	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 112.5', x-cut @ 020, 2 cm, wht mg qtz, minor carb, cts sharp, irreg, abundant cg py, minor fg po in wall, tr cpy; Qtz/carb vein @ 115.5', conform, 2 - 4 cm, minor fg po/py, ragged cts; silica content increases at ~120'; grey/wht gran sil zone @ 121.3' to 123.5', with inclosed Qtz/carb vein @ 122.9', x-cut, @060, irreg, wht qtz, minor po + py	332230	33.22	34.20	0.98	0.029
			332231	34.20	34.50	0.30	0.116
			332232	34.50	34.87	0.37	0.290
			332233	34.87	35.57	0.70	0.071
			332234	35.57	36.39	0.82	0.598
			332235	36.39	36.97	0.58	1.556
			332236	36.97	37.28	0.31	0.075
			332237	37.28	37.98	0.70	0.057
37.80	40.23	**11s** ***Shear Zone*** well fol bio rich gs with mg dissem po and minor py along fol; Qtz/carb vein @ 131.0', x-cut @ 065, 3 cm, irreg, wht mg qtz, minor mg po + py; numerous thin stringers along fol 130.5 - 131'	332238	37.98	38.80	0.82	0.208
			332239	38.80	39.32	0.52	0.157
			332240	39.32	39.78	0.46	0.161
			332241	39.78	40.08	0.30	1.272
40.23	43.16	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 135.7', conform ?, 3.5 cm, wht mg qtz, minor cg carb, wall rock incl, fg py minor fg po	332242	40.08	40.81	0.73	0.283
			332244	40.81	41.45	0.64	0.523
			332245	41.45	42.18	0.73	0.153
			332246	42.18	43.13	0.95	0.060
43.16	43.19	**10qc** ***Quartz-carbonate Vein*** x-cut @ 075, 1.5 cm, sharp cts, minor fg py					

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Hole Number **86-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
43.19	43.46	**1** ***Mafic to Intermediate Volcanics (undif*** massive tex	332247	43.13	43.53	0.40	0.306
43.46	43.49	**10qc** ***Quartz-carbonate Vein*** x-cut , 2 cm, qtz/carb/py, mg					
43.49	70.77	**1** ***Mafic to Intermediate Volcanics (undif*** v competent rock (long core sections), massive tex to about 150'; 156' mod fol @ 036, mod carbonatization; Qtz/carb veins at 170.0' and 172.7', conform, 3 & 4 cm; 182.0' Qtz/carb/po vein, x-cut @ 060, 2 cm, irreg, wall incl.; 197 - 199' increased bio content and carb stringers all conform; Qtz vein @ 215.5', x-cut?, 1 cm, sharp, milky qtz, abundant cg py + po, wall rock around vein has 5 - 15% dissem po + py; Qtz vein @ 216.0', x-cut?, 2 cm, milky qtz and cg po + py; Qtz/carb/po vein @ 217.0' x-cut, 1 cm, minor cg py; Qtz/carb/po vein, x-cut, 1 cm, Qtz/carb vein @ 219.5', x-cut @ 060, 1 cm, milky mg qtz, minor carb, heavy cg po + py, chl incl, tr blk tour; Qtz/carb vein @ 220.4' , x-cut @ 060, 1 cm, heavy cg py minor po, chl incl, wall rock incl, ragged cts; elevated sulph between ~219.3 - 221.6', ~ 2% dissem po; 221.6 - 222.6' grey/wht, fg, conform sil zone with minor dissem blebs po; 223.1 - 225.0' grey, fg, conform sil zone; 230 - 234' numerous thin (~0.5 cm), qtz/carb stringers; poor carbonatization	332248	43.53	44.20	0.67	0.318
			332249	44.20	45.05	0.85	0.079
			332906	45.05	46.09	1.04	0.369
			332907	46.09	46.94	0.85	0.293
			332908	46.94	47.88	0.94	0.169
			332909	47.88	49.19	1.31	0.109
			332910	49.19	50.20	1.01	0.133
			332911	50.20	51.51	1.31	0.076
			332912	51.51	52.33	0.82	0.011
			332913	52.33	53.04	0.71	0.249
			332914	53.04	53.95	0.91	0.058
			332915	53.95	54.74	0.79	0.031

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Hole Number **86-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			332916	54.74	55.26	0.52	0.039
			332250	55.26	55.57	0.31	1.165
			332251	55.57	56.17	0.60	0.327
			332917	56.17	57.00	0.83	0.934
			332918	57.00	58.03	1.03	0.948
			332919	58.03	59.13	1.10	1.038
			332920	59.13	60.47	1.34	0.109
			332921	60.47	61.51	1.04	0.194
			332922	61.51	62.48	0.97	0.339
			332923	62.48	63.79	1.31	0.223
			332924	63.79	65.04	1.25	0.014
			332252	65.04	65.68	0.64	0.024
			332253	65.68	66.29	0.61	0.040
			332254	66.29	66.78	0.49	0.085
			332255	66.96	67.36	0.40	0.247
			332256	67.36	67.88	0.52	0.109
			332257	67.88	68.61	0.73	0.026
			332258	68.61	69.65	1.04	0.059
			332259	69.65	70.62	0.97	0.266
70.77	70.90	**11f** ***Fault Zone***					
		Calcite and py, fg to cg, poor core recovery, fault gouge, attitude not determined (listed as 045)					

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Hole Number **86-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
70.90	84.25	**1** ***Mafic to Intermediate Volcanics (undif*** poorly carbonatized (calcite restricted to stringers and veins); Qtz/carb vein @ 245.3', conform @ 030, 3 cm, milky mg qtz, minor carb, chl incl minor py + po; Qtz/carb vein @ 250.0', conform, 2 cm, wht mg qtz, minor carb, chl incl, tr fg py and minor 3 mm blebs py/po; Carb/qtz vein @ 261.8', 2.5 cm, minor qtz, abundant f to mg py/po; unit becomes well carbonized at 262'; Qtz/carb vein @ 267.6', conform, 10 cm, wht mg qtz, minor carb, blebs of mg py/po	332260	70.99	71.87	0.88	1.848
			332925	71.87	72.97	1.10	0.403
			332927	72.97	74.37	1.40	0.174
			332928	74.37	75.71	1.34	0.352
			332929	75.71	76.66	0.95	0.078
			332930	76.66	77.42	0.76	1.148
			332931	77.42	78.46	1.04	1.175
			332932	78.46	79.49	1.03	0.070
			332933	79.49	80.47	0.98	0.549
			332934	80.47	81.38	0.91	0.181
			332935	81.38	82.42	1.04	0.329
			332936	82.42	83.52	1.10	0.180
			332262	83.52	84.22	0.70	0.153
84.25	85.16	**10qc** ***Quartz-carbonate Vein*** x-cut @ 060, wht mg qtz, sharp cts, upper ct minor f to cg py/po, tr cpy, in carb py forms sub mm scale cubes, minor fg py frac fill films, lower ct heavy mg py + po, qtz barren through middle	332263	84.22	85.19	0.97	5.358

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Hole Number **86-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
85.16	92.84	**1** ***Mafic to Intermediate Volcanics (undif*** well carbonatized; Qtz/carb vein @ 283.4', x-cut, 2 cm, f - mg qtz, heavy fg py, minor po; Qtz/carb vein @ 286.0', x-cut @ 045 against fol, 4 cm, wht mg qtz, v minor carb, minor blebs mg po (some missing core pcs); bio content increases, unit becomes well carbonatized; Qtz/carb vein @ 288.1', x-cut @ 075, 3 mm, cg carb along lower ct, NVS; Qtz vein @ 296.5', v irreg, pinch & swell, 2 - 4mm, ragged cts, looks conform @ 050; Qtz vein @ 297.3', conform, 1 cm, v irreg, wht mg qtz, tr sulph blebs at cts; Qtz/carb vein @ 304.6', conform, sheared @ 035, abundant wall rock abundant carb, Qtz + carb frags, tr sulph	332264	85.19	85.74	0.55	0.187
			332265	85.74	86.23	0.49	0.172
			332266	86.23	86.53	0.30	0.058
			332267	86.53	87.11	0.58	0.437
			332268	87.11	87.42	0.31	0.156
			332269	87.42	87.93	0.51	0.121
			332270	87.93	88.79	0.86	0.353
			332937	88.79	90.13	1.34	0.365
			332938	90.13	91.29	1.16	0.569
			332939	91.29	92.20	0.91	0.092
			332271	92.20	92.84	0.64	0.226
92.84	93.21	**11s** ***Shear Zone*** strong fol @ 035	332272	92.84	93.12	0.28	0.138
93.21	103.08	**1** ***Mafic to Intermediate Volcanics (undif*** sulph content ~2 - 5% down to ~309', minor po + py, tr cpy along fol, well fol down to about 310'; after 310' chl rich gs, massive to poor fol, few minor stringers; Qtz vein @ 311.0', conform, 2 cm, abundant chl incl, NVS; Grey fg conform sil zone @ 311.3 - 311.5', minor fg carb; Qtz/carb vein @ 332.0', looks conform, 2 cm, wht mg, heavy mg po/py, tr cpy, sharp cts; Qtz vein @ 332.5', conform, brecciated, 8 cm, frags along fol, wall + chl incl, abundant mg po, minor mg py, ragged cts; qtz frags down to 334.9'; Qtz/carb vein @ 334.9', boundinaged @ 020, irreg cts, wall + chl incl, minor po/py	332273	93.12	93.79	0.67	0.368
			332274	93.79	94.61	0.82	0.419
			332940	94.61	95.80	1.19	0.150
			332941	95.80	97.20	1.40	0.210
			332942	97.20	98.45	1.25	0.211
			332943	98.45	99.73	1.28	0.229
			332944	99.73	100.58	0.85	0.205
			332945	100.58	101.53	0.95	0.020
			332275	101.53	101.93	0.40	0.023

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Hole Number **86-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			332276	101.93	102.57	0.64	0.017
103.08	103.60	**10qc** ***Quartz-carbonate Vein*** looks conform, upper ct @ 043, lower ct @ 030, wht mg qtz, v minor carb, abundant chl + wall incl, sharp cts, tr dissem po blebs	332946	102.57	104.06	1.49	0.023
103.60	107.75	**1** ***Mafic to Intermediate Volcanics (undif*** massive gs, Qtz/carb vein @ 349.6', x-cut @ 070, 1.5 cm, wht mg qtz, minor carb, sharp cts, minor cg po + py tr cpy; Grey fg gran sil zone @ 349.6 - 350.0'; Qtz/carb frag @ 350.8', minor po	332277	104.06	104.73	0.67	0.055
			332279	104.73	105.46	0.73	0.186
			332280	105.46	106.38	0.92	0.043
			332281	106.38	106.68	0.30	0.026
			332282	106.68	107.59	0.91	0.031
107.75	107.90	**10qc** ***Quartz-carbonate Vein*** x-cut @ 085, , wht mg qtz, minor carb, sharp cts, NVS	332283	107.59	108.20	0.61	0.168
107.90	107.99	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					

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Hole Number **86-7** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
107.99	108.14	**10qc** ***Quartz-carbonate Vein*** x-cut @ 085, , wht mg qtz, minor carb, sharp cts,tr po					
108.14	109.51	**1** ***Mafic to Intermediate Volcanics (undif*** dense compact gs; Qtz/carb vein @ 361.1',x-cut @ 050 against fol, 0.5 - 1.0 cm, wht mg qtz, minor carb, minor cg po; EOH @ 359.3'	332284	108.20	108.81	0.61	0.040
			332947	108.81	109.51	0.70	0.018

DRILL HOLE REPORT

Hole Number **86-8** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 71.32
Started:
Completed:
Logged: 30-Nov-16
Comment:

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298093.75
North: 4947355.69
Elev.: 0
Zone: 18 **NAD:** NAD83

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

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Hole Number **86-8** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.52	**Ovb** ***Overburden***					
		Overburden					
1.52	8.17	**1** ***Mafic to Intermediate Volcanics (undif***	332948	4.57	5.36	0.79	0.018
		Greenstone, grn/grey, f gr, well fol @ 030 to 037, well carbonatized, , v minor f gr dissem py, r cpyocc thin qtz + carb sringers; fol decreases at about 24'	332949	5.36	6.61	1.25	0.003
			332951	6.61	7.62	1.01	0.006
			332952	7.62	8.53	0.91	0.012
8.17	12.50	**1** ***Mafic to Intermediate Volcanics (undif***	332953	8.53	9.60	1.07	0.003
		as above but massive, weak carbonatiztion	332954	9.60	10.36	0.76	0.003
			332955	10.36	11.46	1.10	0.003
			332285	11.46	12.37	0.91	0.003
12.50	12.53	**10qc** ***Quartz-carbonate Vein***	332286	12.37	12.68	0.31	61.438
		appears conform but irreg with ragged cts, abundant wall rock incl, minor euhedral py					

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Hole Number **86-8** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
12.53	17.37	**1** ***Mafic to Intermediate Volcanics (undif***	332287	12.68	13.41	0.73	0.856
		between 49' - 52.5' numerous qtz/carb stringers, conformable, low sulph content	332288	13.41	14.30	0.89	0.007
			332289	14.30	15.12	0.82	0.003
			332290	15.12	15.88	0.76	0.003
			332291	15.88	16.46	0.58	0.010
			332292	16.46	17.25	0.79	0.003
17.37	17.98	**1** ***Mafic to Intermediate Volcanics (undif***	332293	17.25	18.11	0.86	0.052
		Silificied zone, contorted fol/ bedding?, qtz frags					
17.98	18.29	**1** ***Mafic to Intermediate Volcanics (undif***	332294	18.11	18.41	0.30	0.221
		Metavolcanics					
18.29	18.32	**10qc** ***Quartz-carbonate Vein***					
		x-cut @ 085, ~3 cm, grey/wht qtz, c gr carb, abundant f - med gr py, rare sub mm cubes, minor po; wall rock holds dissem po with minor py					

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Hole Number **86-8** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
18.32	22.34	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332295	18.41	19.02	0.61	0.026
			332956	19.02	20.06	1.04	0.045
			332957	20.06	21.61	1.55	0.111
			332297	21.61	22.19	0.58	0.007
			332298	22.19	22.49	0.30	0.329
22.34	22.37	**10qc** ***Quartz-carbonate Vein*** x-cut @ 075, 2 - 3 cm, wht med gr qtz, abundant f - med gr py, subhedral to euhedral, minor po, tr cpy					
22.37	43.86	**1** ***Mafic to Intermediate Volcanics (undif*** occ conform qtz/carb veins with tr sulph; fol from 035 to 022, weakening with depth; carbonatized zones @ 101.5', 106', 107.3', 109.5 - 110.5', 116.4 - 117.4' (with silicification and elevated sulph), 130' 131', and 132'; fol 022 @ 116'	332299	22.49	23.07	0.58	0.018
			332958	23.07	24.29	1.22	0.003
			332959	24.29	25.60	1.31	0.008
			332960	25.60	26.64	1.04	0.003
			332961	26.64	27.74	1.10	0.043
			332962	27.74	28.86	1.12	0.003
			332963	28.86	30.24	1.38	0.003
			332964	30.24	31.30	1.06	0.003
			332965	31.30	32.61	1.31	0.119
			332966	32.61	33.83	1.22	0.230
			332967	33.83	34.93	1.10	0.047
			332968	34.93	36.15	1.22	0.523
			332969	36.15	37.43	1.28	2.992
			332970	37.43	38.44	1.01	0.147

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			332971	38.44	39.17	0.73	1.438
			332300	39.17	39.84	0.67	0.310
			332301	39.84	40.54	0.70	0.412
			332972	40.54	41.67	1.13	0.065
			332973	41.67	42.52	0.85	0.019
			332974	42.52	43.25	0.73	0.013
			332302	43.25	43.80	0.55	0.462
43.86	43.92	**10qc** ***Quartz-carbonate Vein*** x-cutting @ 085 med gr, sharp cts, f - c gr po up to 5%					
43.92	44.44	**10qc** ***Quartz-carbonate Vein*** conform @ 024, abundant wall incl, ragged cts, heavy c gr po ~5%, tr py + cpy	332303	43.80	44.44	0.64	2.038
44.44	45.42	**1** ***Mafic to Intermediate Volcanics (undif*** 5 cm zone of SMS, po with minor py	332304	44.44	44.84	0.40	0.201
			332305	44.84	45.20	0.36	0.095
45.42	45.66	**10qc** ***Quartz-carbonate Vein***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		conform, ragged cts, wall incl, tr f gr dissem po					
45.66	55.57	**1** ***Mafic to Intermediate Volcanics (undif***	332979	48.31	49.29	0.98	0.333
		conform veins 2 - 6 cm at 154.6', 155.2'; gs massive to weakly fol	332980	49.29	50.44	1.15	0.479
			332981	50.44	51.36	0.92	0.875
			332982	51.36	52.64	1.28	1.188
			332983	52.64	53.80	1.16	0.285
			332984	53.80	54.96	1.16	0.081
			332985	54.96	56.08	1.12	0.341
			332976	45.20	46.33	1.13	0.160
			332977	46.33	47.40	1.07	0.826
			332978	47.49	48.31	0.82	0.516
55.57	55.60	**10qc** ***Quartz-carbonate Vein***					
		x-cut @ 047 against fol, 2 cm, sharp cts, chl + wall incl, med gr po to ~5%, minor py					

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Hole Number **86-8** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
55.60	62.67	**1** ***Mafic to Intermediate Volcanics (undif*** occ conform veins, brecciated "cherty" zone, 186.5 - 187.3' & 193.2 - 194.1, grey granular qtz with abundant wall incl along fol @ 028; dissem blebs of po, minor py, well carbonatized; 197.1 - 197.4' numerous thin carb stringers, conform w f gr py + cpy to ~5%	332986	56.08	56.85	0.77	0.322
			332987	56.85	57.39	0.54	0.129
			332988	57.39	58.03	0.64	0.219
			332989	58.03	59.01	0.98	0.168
			332990	59.01	60.17	1.16	0.225
			332991	60.17	61.39	1.22	0.238
			332992	61.39	62.18	0.79	0.104
			332306	62.18	62.64	0.46	0.323
62.67	62.94	**10qc** ***Quartz-carbonate Vein*** conform vein ~15 cm, with sheared vein + wall rock below; wht granular qtz, minor carb, tr dissem po along cts	332307	62.64	62.94	0.30	0.091
62.94	68.98	**1** ***Mafic to Intermediate Volcanics (undif*** occ conform veins @ 212', 212.5', 214.6', 215.9', 219.6', 221.3', 222.2', 222.9'; pervasive carbonatization starts about 116' and continues to end	332308	62.94	63.49	0.55	0.570
			332993	63.49	64.40	0.91	0.062
			332994	64.40	65.23	0.83	0.171
			332995	65.23	66.14	0.91	0.171
			332996	66.14	67.27	1.13	0.249
			332997	67.27	68.28	1.01	0.068
			332998	68.28	69.43	1.15	0.027
68.98	69.01	**10qc** ***Quartz-carbonate Vein*** x-cut? (missing cts), ~8 cm, wht med gr qtz, minor carb, minor f gr py at cts and frac fill films, tr cpy					

LITHOLOGY REPORT
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Hole Number **86-8** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
69.01	70.32	**1** ***Mafic to Intermediate Volcanics (undif*** fol @ 033	332999	69.43	70.62	1.19	0.114
70.32	70.35	**10qc** ***Quartz-carbonate Vein*** x-cut @080, 5 cm, med gr qtz, minor carb, heavy py frac fill, py octahedra to 2 mm, tr cpy					
70.35	70.47	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
70.47	70.50	**10qc** ***Quartz-carbonate Vein*** x-cut @ 045 against fol, 1 cm, minor py + po, sharp cts					

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Hole Number **86-8** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	*To* (m)	*Lithology*	*Sample #*	*From*	*To*	*Length*	*Au* (g/t)
70.50	71.32	**1** ***Mafic to Intermediate Volcanics (undif*** EOH	346001	70.62	71.32	0.70	0.003

DRILL HOLE REPORT

Hole Number **86-16** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -58.5
Length: 134.11
Started:
Completed:
Logged: 28-Oct-16
Comment:

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298121.5
North: 4947362.43
Elev.: 0
Zone: 18 **NAD:** NAD83

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-58.50	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-16** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	0.76	**Ovb** ***Overburden*** Overburden					
0.76	11.70	**1** ***Mafic to Intermediate Volcanics (undif*** f gr, grn/grey, mod fol @ 035, occ qtz/carb stringers, high chl and bio content, well carb, tr dissem po + py along fol; grey, granular, "cherty" qtz zone 13.1 - 14.5'; brecciated silicified zone with wall incl at 21.1 - 22.2'; conform qtz/carb stringer at 28.9'	331234	2.04	2.99	0.95	0.003
			331235	2.99	3.99	1.00	0.003
			331236	3.99	4.88	0.89	0.003
			331237	4.88	6.07	1.19	0.003
			331238	6.07	7.19	1.12	0.003
			331239	7.19	8.32	1.13	0.003
			331240	8.32	9.42	1.10	0.003
			331241	9.42	10.67	1.25	0.003
			331242	10.67	11.86	1.19	0.003
11.70	11.77	**10qc** ***Quartz-carbonate Vein*** x-cut @ 075 - 080? (cannot determine from remaining pcs), wht med gr qtz, minor bio, minor py along upper ct, sharp cts					

LITHOLOGY REPORT
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Hole Number **86-16** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
11.77	16.76	**1** ***Mafic to Intermediate Volcanics (undif*** 39.6 - 39.9' brecc qtz/carb vein, conformable, bio enriched zone, tr f gr dissem sulph; 41.5' grey, gran qtz, conform, 2 cm, NVS; 42.0' qtz vein, 7 - 10 mm, med gr qtz, NVS; 43.6' & 46.2' as 42.0'	331243	11.86	12.95	1.09	0.003
			331244	12.95	13.87	0.92	0.003
			331245	13.87	14.90	1.03	0.003
			331246	14.90	15.85	0.95	0.003
			332309	15.85	16.61	0.76	0.006
16.76	16.89	**10qc** ***Quartz-carbonate Vein*** x-cut, irreg, (cts hard to determine now), wht med gr qtz, sharp cts, NVS	332311	16.61	16.92	0.31	2.996
16.89	28.35	**1** ***Mafic to Intermediate Volcanics (undif*** well carbonatized, tr dissem sulph; 88.1 - 88.9' grey, gran qtz, conform, wall frags along fol, minor po[py at upper ct, tr at lower ct	332312	16.92	17.37	0.45	0.003
			331247	17.37	18.44	1.07	0.003
			331248	18.44	19.45	1.01	0.003
			331249	19.45	20.42	0.97	0.003
			331251	20.42	21.52	1.10	0.003
			331252	21.52	22.56	1.04	0.003
			331253	22.56	23.59	1.03	0.003
			331254	23.59	24.69	1.10	0.003
			331255	24.69	25.88	1.19	0.003
			331256	25.88	27.13	1.25	0.003
			331257	27.13	28.22	1.09	0.003
28.35	28.38	**10qc** ***Quartz-carbonate Vein*** x-cut @ 040 against fol, 3 mm, wht & pink cal, NVS, with a 1 mm vein 1 and 1.5' above					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
28.38	29.17	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	331258	28.22	29.41	1.19	0.003
29.17	29.20	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, 2.5 cm, med gr, sharp cts, minor dissem po					
29.20	42.28	**1** ***Mafic to Intermediate Volcanics (undif*** about 111' becomes massive tex; 116.7' joint break along fol (045) with thin cal stringers above and below; 121.4 - 122.1' grey, gran qtz conform with abundant wall frags along fol; 124.8' cal/qtz vein, conform, 5 cm, sharp cts	331259	29.41	30.48	1.07	0.003
			331260	30.48	31.52	1.04	0.016
			331261	31.52	32.61	1.09	0.003
			331262	32.61	33.80	1.19	0.003
			331263	33.80	35.05	1.25	0.003
			331264	35.05	36.15	1.10	0.003
			331265	36.15	37.34	1.19	0.003
			331266	37.34	38.28	0.94	0.003
			331267	38.28	39.41	1.13	0.003
			331268	39.41	40.57	1.16	0.005

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			331269	40.57	41.57	1.00	0.003
			331270	41.57	42.76	1.19	0.037
42.28	42.40	**11f** ***Fault Zone*** open cavity fill with c gr euhedral qtz & cal and f gr gran cal, upper ct sharp @ 045, lower ct sharp @ 060 (both against fol), upper ct shows minor euhedral py					
42.40	53.07	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb veins, conform at 142', 162.8', 166.8', 170.7' most showing abundant wall incl; fol @ 036; 154.2 - 155.1' grey, gran, conform zone with abundant wall incl; 157 - 157.9' zone of grey, gran, conform bands	331271	42.76	43.56	0.80	0.014
			331272	43.56	44.59	1.03	0.009
			331273	44.59	45.66	1.07	0.003
			331274	45.66	46.88	1.22	0.003
			331275	46.88	47.82	0.94	0.014
			331277	47.82	48.65	0.83	0.070
			331278	48.65	49.90	1.25	0.003
			331279	49.90	50.84	0.94	0.003
			331280	50.84	51.94	1.10	0.003
			331281	51.94	53.07	1.13	0.013
53.07	53.25	**11s** ***Shear Zone*** zone of brecciated gs frags along fol in grey granular qtz; well fol, chl rich, minor dissem po					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
53.25	53.74	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332313	53.07	53.64	0.57	0.003
53.74	53.77	**10qc** ***Quartz-carbonate Vein*** x-cut @080, med gr, sharp cts, minor f gr py, highly fol above vein, minor actinolite in cal; mod py/po along lower ct with ~20% bio					
53.77	54.25	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332314	53.64	53.95	0.31	0.075
54.25	54.28	**10qc** ***Quartz-carbonate Vein*** x-cut @030 against fol, 1 cm, grey gran qtz, ragged cts, irreg, tr f gr dissem po					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
54.28	54.86	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332315	53.95	54.86	0.91	0.027
54.86	54.89	**10qc** ***Quartz-carbonate Vein*** x-cut @ 048 against fol, 1 cm, grey/wht gran qtz, carb, chl incl, sharp cts, tr f gr sulph					
54.89	57.18	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332316	54.86	55.90	1.04	0.038
			332317	55.90	56.63	0.73	0.014
			332318	56.63	57.45	0.82	0.008
57.18	57.21	**10qc** ***Quartz-carbonate Vein*** as above, 180 - 180.1'					
57.21	57.88	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332319	57.45	58.06	0.61	5.913

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Hole Number **86-16** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
57.88	57.91	**10qc** ***Quartz-carbonate Vein*** x-cut @ 045 against fol, 4 cm, wht med gr qtz, abundant f gr blebs of py + cpy, sharp cts					
57.91	57.94	**1** ***Mafic to Intermediate Volcanics (undif*** bio ~30%, moderate f - med gr dissem po					
57.94	57.97	**10qc** ***Quartz-carbonate Vein*** x-cut @ 045 against fol, 4 cm, wht med gr qtz, f - med gr py, tr cpy + po					

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Hole Number **86-16** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
57.97	59.95	**1** ***Mafic to Intermediate Volcanics (undif*** gs with x-cutting veins as above, 3 to 8 mm thick @ 190.7', 191.1', 191.4', 192.7', and 195.9'	332320	58.06	58.55	0.49	0.023
			332321	58.55	59.44	0.89	0.007
			332322	59.44	59.80	0.36	0.003
59.95	60.05	**10qc** ***Quartz-carbonate Vein*** x-cut @ 075-080, med gr qtz, sharp cts, minor f gr dissem po, minor py/po frac fill	332323	59.80	60.11	0.31	11.800
60.05	64.07	**1** ***Mafic to Intermediate Volcanics (undif*** gs with x-cutting veins as above, 3 to 8 mm thick @ 198' , 198.6' & 204.8'; 200.8' wht med gr qtz vein subparallel to core, tr sulph	332324	60.11	60.93	0.82	0.636
			332325	60.93	61.60	0.67	0.288
			332327	61.60	62.42	0.82	0.399
			331282	62.42	63.89	1.47	0.089
64.07	64.43	**1** ***Mafic to Intermediate Volcanics (undif*** zone of abundant thin qtz/carb stringers with abundant wall rock and chl incl, shearing?, conform, tr f gr sulph	332328	63.89	64.71	0.82	0.289

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
64.43	78.27	**1** ***Mafic to Intermediate Volcanics (undif***	332329	64.71	65.38	0.67	0.249
		222.3' qtz/carb vein, conform, 6 cm, f gr; 222.6' f- med gr qtz/carb vein, conform, 6 cm, tr sulph; 233.6' grey, gran conform with minor carb, wall incl, tr sulph; weak fol @ 040; 246.9' grey, gran conform zone ~6 cm, wall incl along fol	331283	65.38	66.54	1.16	0.367
			331284	66.54	67.85	1.31	0.369
			331285	67.85	68.88	1.03	0.215
			331286	68.88	69.89	1.01	0.253
			331287	69.89	71.14	1.25	0.403
			331288	71.14	71.99	0.85	0.269
			331289	71.99	72.82	0.83	0.333
			331290	72.82	74.13	1.31	0.094
			331291	74.13	75.07	0.94	0.078
			331292	75.07	76.20	1.13	0.446
			331293	76.20	77.11	0.91	0.164
			331294	77.11	77.51	0.40	0.003
			332330	77.51	78.21	0.70	0.006
78.27	78.30	**10qc** ***Quartz-carbonate Vein***					
		x-cut, irreg cts, sharp, boudinaged?, minor dissem po along upper ct, med gr qtz, 5 cm					
78.30	78.36	**1** ***Mafic to Intermediate Volcanics (undif***					
		moderate carbonatization					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
78.36	78.39	**10qc** ***Quartz-carbonate Vein*** x-cut @ 045, med gr qtz, 2.5 cm, ragged cts, tr tour (blk prisms), moderate py/po, tr cpy, minor bio, tr bismuth? (soft silvery/brassy metal)	332331	78.21	78.52	0.31	0.109
78.39	84.52	**1** ***Mafic to Intermediate Volcanics (undif*** 268.8 - 269.3' grey, gran qtz zone, conform, abundant wall incl, minor dissem po; 269.7 - 271.1' as with 268.8 - 269.3'; 269.7' Qtz/carb vein, 2.5 cm, ragged cts, minor po + py, tr cpy	332332	78.52	79.07	0.55	0.007
			331295	79.07	80.10	1.03	0.014
			331296	80.10	81.29	1.19	0.015
			331297	81.29	82.45	1.16	0.088
			331298	82.45	83.06	0.61	0.279
			331300	83.06	83.82	0.76	0.198
			332333	83.82	84.49	0.67	0.729
84.52	85.19	**10qc** ***Quartz-carbonate Vein*** generally conform but irreg, wht med qtz, upper ct moderate f gr blebs py + cpy, minor chl + bio incl, tr frac fill films	332334	84.49	85.25	0.76	0.076
85.19	87.87	**1** ***Mafic to Intermediate Volcanics (undif*** well carbonatized	332335	85.25	85.92	0.67	0.136
			331301	85.92	86.44	0.52	0.312
			332336	86.44	87.17	0.73	0.060
			332337	87.17	87.72	0.55	0.052

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
87.87	87.90	**10qc** ***Quartz-carbonate Vein***	332338	87.72	88.03	0.31	0.060
		x-cut @ 075-080, med gr qtz, sharp cts, minor po blebs; moderate f gr po along fol above and below					
87.90	89.76	**1** ***Mafic to Intermediate Volcanics (undif***	332339	88.03	88.82	0.79	0.306
		carbonatization decreases to moderate ~ 290'	332340	88.82	89.61	0.79	0.243
89.76	89.82	**10qc** ***Quartz-carbonate Vein***	332342	89.61	89.92	0.31	5.538
		x-cut @ 060, sharp cts, med gr qtz, minor tour, c gr po + py tr, cpy; moderate f gr dissem po above and below vein for ~10 cm					
89.82	90.95	**1** ***Mafic to Intermediate Volcanics (undif***	332343	89.92	90.40	0.48	0.312
		Metavolcanics	332344	90.40	90.95	0.55	0.351

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
90.95	91.26	**11f** ***Fault Zone*** broken core pcs, subparallel to fol, wall frags cemented by cal + py + qtz; poor recovery					
91.26	101.19	**1** ***Mafic to Intermediate Volcanics (undif*** 318.7' qtz/carb vein, conform, 5 cm, f gr, ragged cts, tr sulph; carbonatization increases after 318', increasing with depth.; fol @ 037 - 040, weakens with depth; numerous thin stringers between ~320 - 325'; 329' well fol brecciated zone ~ 3 cm , po ~10%, minor py, bio ~15%	332345	91.38	91.81	0.43	0.117
			331302	91.81	92.96	1.15	0.180
			331303	92.96	94.06	1.10	0.013
			331304	94.06	94.95	0.89	0.179
			331305	94.95	96.01	1.06	0.158
			331306	96.01	97.08	1.07	0.323
			331307	97.08	97.96	0.88	0.268
			331308	97.96	98.85	0.89	0.178
			331309	98.91	99.55	0.64	0.370
			332346	99.55	100.13	0.58	0.271
			332347	100.13	100.43	0.30	0.493
			332348	100.43	101.04	0.61	0.362
101.19	101.22	**10qc** ***Quartz-carbonate Vein*** x-cut, but with conform features, wht med gr qtz, minor carb, med - c gr po, tr cpy, tr bismuth? tr tour?, sharp and irreg cts	332349	101.04	101.35	0.31	0.141

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
101.22	104.85	**1** ***Mafic to Intermediate Volcanics (undif*** fol increasing from 040 to 048, becoming v weak; 339.0' qtz/carb vein, conform, 8 cm, tr sulph, abundant wall incl	332350	101.35	102.57	1.22	0.336
			331310	102.57	103.88	1.31	0.058
			332351	103.88	104.70	0.82	0.022
			332352	104.70	105.00	0.30	0.013
104.85	104.88	**10qc** ***Quartz-carbonate Vein*** x-cut @ 050 against fol, sharp cts, 1.5 cm, minor dissem po, specks cpy; 10 - 15% f gr dissem po above and below vein					
104.88	105.06	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
105.06	105.28	**10qc** ***Quartz-carbonate Vein*** x-cut @ 070, milky to grey qtz, minor carb, c gr po tr f -med gr cpy, tr v fgr silvery grey metal (aspy, bi, gal?), minor tour; py, cpy + po in wall rock	332353	105.00	105.37	0.37	5.821

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
105.28	106.71	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332354	105.37	105.98	0.61	0.010
			332355	105.98	106.68	0.70	0.009
106.71	106.92	**10qc** ***Quartz-carbonate Vein*** x-cut @ 060, sharp cts, med gr qtz/carb/po vein, minor tour, lower ct wall rock holds ~15% f gr po/py & ~3% cpy	332356	106.68	106.98	0.30	0.013
106.92	114.21	**1** ***Mafic to Intermediate Volcanics (undif*** grey, gran sil zone @ 362', 10 cm, wall incl along fol	332358	106.98	107.90	0.92	0.026
			331311	107.90	109.00	1.10	0.233
			331312	109.00	110.12	1.12	0.453
			331313	110.12	111.25	1.13	0.069
			331314	111.25	112.38	1.13	0.040
			331315	112.38	112.96	0.58	0.041
			332359	112.96	114.15	1.19	0.127
114.21	114.24	**10qc** ***Quartz-carbonate Vein*** x-cut @ 045, sharp cts, v irreg, minor po, silvery metal (aspy?), v minor frac fill films of py/cpy; vein is "clean" through the centre with mineralization at cts					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
114.24	121.83	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332360	114.15	114.64	0.49	0.011
			332361	114.64	115.37	0.73	0.038
			332362	115.37	116.28	0.91	0.103
			331316	116.28	117.35	1.07	0.074
			331317	117.35	118.23	0.88	0.133
			331318	118.23	119.42	1.19	0.197
			331319	119.42	120.40	0.98	0.448
			331320	120.40	121.65	1.25	0.203
121.83	121.86	**10qc** ***Quartz-carbonate Vein*** x-cut @ 010, sharp cts, med gr, irreg cts, wall incl, blebs of f gr po up to 1 x 3 cm with minor py					
121.86	127.44	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein, 2.5 cm, conform at 413.8', sharp cts, med gr, chl incl minor po + py; generally rock is chl rich, ~2% dissem po along weak fol @045	332363	121.65	122.32	0.67	0.265
			332364	122.32	123.11	0.79	0.225
			331321	123.11	124.08	0.97	0.084
			331322	124.08	125.39	1.31	0.252
			331323	125.39	126.49	1.10	0.396
			332365	126.49	127.28	0.79	0.236
			332366	127.28	127.59	0.31	0.187
127.44	127.47	**10qc** ***Quartz-carbonate Vein*** x-cut @ 045, cts sharp but irreg, chl incl, 2.5 cm, tr dissem po					

LITHOLOGY REPORT
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Hole Number **86-16** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
127.47	128.75	**1** ***Mafic to Intermediate Volcanics (undif*** massive tex, chl rich	332367	127.59	128.23	0.64	0.437
128.75	129.33	**11s** ***Shear Zone*** Shear/fault zone; no distinct breaks, no broken core, upper ct 045 with minor cal, occ slip surfaces, minor sulph, no mylonitic development	331325	128.23	129.54	1.31	0.214
129.33	132.77	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	331326	129.54	130.55	1.01	0.166
			331327	130.55	131.98	1.43	0.082
			332368	131.98	132.71	0.73	0.045
132.77	133.01	**10qc** ***Quartz-carbonate Vein*** x-cut @ 050, med gr, minor carb, py along upper ct, f - med gr po/py, minor cpy, minor py frac fill films					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-16** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
133.01	133.23	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332369	132.71	133.47	0.76	3.753
133.23	133.44	**10qc** ***Quartz-carbonate Vein*** x-cut @050, med gr, minor blebs po/py, tr cpy; upper ct @060, lower ct @ 045					
133.44	134.11	**1** ***Mafic to Intermediate Volcanics (undif*** massive gs; EOH @ 440'/134.11m	332370	133.47	134.11	0.64	0.035

DRILL HOLE REPORT

Hole Number **86-18** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -60
Length: 160.02
Started:
Completed:
Logged: 02-Feb-17

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: Overlapping intervals from 42.49-43.89m at the time of report. Pending data verification.

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298189.29
North: 4947397.16
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-60.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-18** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	3.05	**Ovb** ***Overburden*** Mostly rubbly core to 15'					
3.05	8.17	**2** ***Meta-Pelitic Sediments (undifferentiat*** f gr, med to dk grey, well fol, sericite rich phyllitic metasediments grading to chl rich with depth, fol @ 027 at 20', f gr dissem po throughout, some minor folding; qtz vein at 18.2', 3 cm, minor py frac fill films, tr cpy minor blebs of f gr po; no carb reaction to acid					
8.17	8.20	**10q** ***Quartz Vein*** slightly x-cutting to fol/banding, 5 cm, sharp cts, med gr qtz, f - med gr po + py, tr cpy					
8.20	16.76	**2** ***Meta-Pelitic Sediments (undifferentiat*** Qtz vein @ 32', conform, irreg cts, 5 cm, ss upper ct, sharp with 3 - 5 mm sericite/chl layer, abundant po with minor frac fill; po/py seams @ 34.2', med - c gr, 2 - 3 mm; qtz vein @ 46', conform, f gr, ragged cts, minor po + py; some thin bio rich bands	331328	10.79	12.10	1.31	0.016
			331329	12.10	13.11	1.01	0.011
			331330	13.11	14.20	1.09	0.071
			331331	14.20	15.09	0.89	0.060
			331332	15.09	16.31	1.22	0.006

LITHOLOGY REPORT
- Detailed -

Hole Number **86-18** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
16.76	19.45	**2** ***Meta-Pelitic Sediments (undifferentiat*** abundant chl, minor v fg red brown garnet, f - med gr dissem po up to 10%; qtz vein @ 56.9 - 60.1', conform, wht med gr qtz, minor carb (mostly as frac fill), minor f - med gr po/py (mostly as frac fill); Qtz vein @ 62.2', conform, 8 cm, sharp cts, f gr po along wall + as frac fill; 62 - 63.8' brecciated qtz frags, milky wht, angular, minor blebs of f gr po	331333	16.31	17.25	0.94	0.101
			331334	17.25	18.47	1.22	0.016
			331335	18.47	19.39	0.92	0.028
19.45	19.51	**10q** ***Quartz Vein*** x-cut, irreg, ragged cts, wht med gr qtz, minor carb, minor f - med gr po, some as frac fill films					
19.51	19.57	**2** ***Meta-Pelitic Sediments (undifferentiat*** Metasediments					
19.57	19.72	**2** ***Meta-Pelitic Sediments (undifferentiat*** Semi massive c gr po + qtz, @ 64.7' small open cavity with euhedral qtz ~ 2mm scale, tr py					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
19.72	19.93	**10q** ***Quartz Vein*** conform, wht med gr qtz, minor med gr po	331336	19.39	20.36	0.97	0.008
19.93	20.42	**2** ***Meta-Pelitic Sediments (undifferentiat*** chlorite garnet schist, v fg red brn gt in med gr chl schist, minor small frags of qtz, f gr dissem po/py ~5%					
20.42	20.60	**2** ***Meta-Pelitic Sediments (undifferentiat*** phyllitic metaseds with brecciated qtz frags and wall rock frags along fol, disrupted fol/banding , minor blebs of f gr po					
20.60	21.34	**2** ***Meta-Pelitic Sediments (undifferentiat*** complex layering of 2 - 3 mm bands of lt grey qtzite with dk grey/grn chl rich metased, and f gr po/py rich layers (~15% sulph), fol/banding quite variable (folding?)	331337	20.36	20.94	0.58	0.007

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Hole Number **86-18** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
21.34	24.78	**2** ***Meta-Pelitic Sediments (undifferentiat*** med grey metased	331338	20.94	22.40	1.46	0.003
			331339	22.40	23.62	1.22	0.008
			331340	23.62	24.38	0.76	0.007
24.78	24.81	**11f** ***Fault Zone*** 2 - 3 cm zone of friable, v rusty + crumbly rock; minor fault?					
24.81	25.09	**2** ***Meta-Pelitic Sediments (undifferentiat*** Metasediments	331341	24.38	25.30	0.92	0.006
25.09	25.12	**2** ***Meta-Pelitic Sediments (undifferentiat*** drag fold, slumping, does not appear as a fault; unit becomes more consistent with fol @ 045					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-18** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
25.12	30.18	**2** ***Meta-Pelitic Sediments (undifferentiat*** Metasediments	331342	25.30	26.37	1.07	0.007
			331343	26.37	27.28	0.91	0.006
			331344	27.28	28.10	0.82	0.010
			332372	28.10	28.96	0.86	0.016
			332373	28.96	29.54	0.58	0.007
			332374	29.54	30.39	0.85	0.039
30.18	31.24	**2** ***Meta-Pelitic Sediments (undifferentiat*** fol/banding becomes variable and irreg, occ small qtz frags along fol, slumping?	332375	30.39	31.06	0.67	0.003
31.24	32.61	**2** ***Meta-Pelitic Sediments (undifferentiat*** Qtz/carb vein @ 102.5', x-cut, 1 cm, mm scale vugs, minor f gr po + py; 103.3' as with 102.5'; 104.7' as with 102.5' w tr cpy; 105.3' Qtz vein, conform, but irreg, brecciated?, qtz with wall rock and chl incl, minor carb, minor po	332376	31.06	31.73	0.67	0.006
			332377	31.73	32.19	0.46	0.015
			332378	32.19	32.95	0.76	0.003
32.61	32.92	**2** ***Meta-Pelitic Sediments (undifferentiat*** many 3 mm thick qtz/carb stringers along fol					

LITHOLOGY REPORT
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Hole Number **86-18** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
32.92	33.53	**2** ***Meta-Pelitic Sediments (undifferentiat*** broken core, thin wafers of well fol sericite rich schist, friable, fol @ 025, occ stringers most conform some not.					
33.53	35.05	**1** ***Mafic to Intermediate Volcanics (undif*** at 110' change from lt grey, sericite rich schist into dk grey/grn well fol chl rich schist with multiple stringers and pervasive carbonatization, grading into more competent greenstone	332379	33.53	34.38	0.85	0.008
			332380	34.38	35.05	0.67	0.003
35.05	37.22	**1** ***Mafic to Intermediate Volcanics (undif*** fol less distinct with depth, fol ~ 035	331345	35.05	36.06	1.01	0.003
			331346	36.06	37.22	1.16	0.003
37.22	37.25	**11f** ***Fault Zone*** 4 - 5 cm zone of broken friable core; no change in rock above and below					

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Hole Number **86-18** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
37.25	41.67	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz veins at 125.4', 125.6, 127.8', x-cut @025, 2 - 10 mm, irreg, slightly boudinaged; grey gran qtz zone @ 130.7', conform, minor blebs of po; f gr carb vein @ 134', 8 cm, wall incl, minor f gr qtz, conform, minor po; 135.4' grey gran conform zone with x-cut qtz vein at upper ct @050 against fol, 1 cm, wht med gr qtz, minor carb, minor blebs of f gr po	331347	37.22	38.40	1.18	0.003
			331348	38.40	39.56	1.16	0.003
			332381	39.56	40.42	0.86	0.003
			332382	40.42	40.72	0.30	0.099
			332383	40.72	41.51	0.79	0.003
41.67	41.73	**10qc** ***Quartz-carbonate Vein*** x-cut, 8 cm, wht med gr qtz, minor carb					
41.73	53.04	**1** ***Mafic to Intermediate Volcanics (undif*** 137.2 - 137.4' zone of well fol, v fg chl rich, moderate f gr po/py; 137.4' grey gran conform sil zone ~ 10 cm; 139' Qtz vein , x-cut @ 060, 1 cm, sharp cts, tr f gr po; 140.4 - 142.8' well silicified zone with abundant thin veinlets of qtz running conformable, increasing carbonatization; 161.2' Qtz stringer, conform, 1.5 cm, sharp cts, tr sulph; rock becomes very competent and silicified; 168.7 - 170.0' grey gran conform sil zone; 169.4' Qtz vein x-cut @ 060, minor po, abundant chl incl	332384	41.51	42.49	0.98	0.003
			331350	42.49	43.89	1.40	0.007
			332385	42.61	42.79	0.18	0.003
			331351	43.89	44.68	0.79	0.006
			331352	44.68	45.66	0.98	0.003
			331353	45.66	46.97	1.31	0.003
			331354	46.97	48.13	1.16	0.003
			331355	48.13	49.26	1.13	0.003
			331356	49.26	50.29	1.03	0.003
			331357	50.29	51.42	1.13	0.003
			331358	51.42	52.64	1.22	0.003

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
53.04	53.43	**11s** ***Shear Zone***	331359	52.64	53.61	0.97	0.003
		v fg matrix with qtz frags (0.5 x 1.0 cm) along general fol, minor dissem po					
53.43	55.69	**1** ***Mafic to Intermediate Volcanics (undif***	331360	53.61	54.22	0.61	0.003
		Metavolcanics	331361	54.22	55.60	1.38	0.003
55.69	55.72	**10qc** ***Quartz-carbonate Vein***					
		x-cut @ 060, 3.5 cm, sharp irreg cts, wht med gr qtz, c gr carb, chl incl, tr f gr dissem po					
55.72	58.67	**1** ***Mafic to Intermediate Volcanics (undif***	331362	55.60	56.39	0.79	0.003
		Qtz vein @ 190.9', slightly x-cutting, 1 cm, sharp irreg cts, chl incl, bio enriched on upper ct, minor f gr dissem po + py	331363	56.39	57.42	1.03	0.003
			331364	57.42	58.58	1.16	0.003
58.67	58.80	**LC** ***Lost Core***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		split core has missing pcs; vein at 192.9' not seen here					
58.80	59.80	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	331365	58.58	59.44	0.86	0.006
59.80	59.83	**10qc** ***Quartz-carbonate Vein*** x-cut @ 050 against fol, 1.5 cm, minor carb, minor f gr po + py, well fol above and below					
59.83	60.17	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 197.2', conform, 1 cm, sharp cts, slightly boudinaged, chl incl, bio on cts	331366	59.44	60.62	1.18	0.003
60.17	60.20	**10qc** ***Quartz-carbonate Vein*** x-cut @045 against fol, 5 mm, ragged cts, minor carb, po + py					

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Hole Number **86-18** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
60.20	73.88	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz vein @ 218.7', conform, 8 cm, sharp cts, irreg, wall incl, NVS; Qtz vein @ 231.9' conform, 3 cm, sharp cts, wht med gr qtz, tr py frac fill films; qtz frag at 241.7'	331367	60.62	62.00	1.38	0.003
			331368	62.00	62.88	0.88	0.003
			331369	62.88	64.19	1.31	0.003
			331370	64.19	65.53	1.34	0.003
			331371	65.53	66.69	1.16	0.003
			331372	66.69	67.67	0.98	0.074
			331374	67.67	68.95	1.28	0.003
			331375	68.95	70.23	1.28	0.003
			331376	70.23	71.17	0.94	0.019
			331377	71.17	72.02	0.85	0.003
			331378	72.02	73.15	1.13	0.011
			331379	73.15	74.16	1.01	0.003
73.88	73.91	**10qc** ***Quartz-carbonate Vein*** slightly x-cut, 1.5 cm, sharp cts, wht med gr qtz, minor carb, minor f gr po					
73.91	73.97	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
73.97	74.07	**10qc** ***Quartz-carbonate Vein*** x-cut @ 070, wht med gr qtz, sharp cts, minor carb, tr sulph					
74.07	75.35	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	331380	74.16	75.50	1.34	0.003
75.35	75.41	**10qc** ***Quartz-carbonate Vein*** x-cut @ 075, 5 cm, wht, med gr qtz, sharp cts, tr py at cts, minor f gr po in wall rock ~1%					
76.81	77.11	**LC** ***Lost Core*** missing pcs of split core, incomplete record. No record from 75.41 - 76.81m					

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Hole Number **86-18** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
77.11	77.36	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	331382	76.75	77.66	0.91	0.014
77.36	77.39	**10q** ***Quartz Vein*** slightly x-cutting, 4 cm, sharp cts, med gr qtz, tr carb, tr py along wall cts					
77.39	80.47	**1** ***Mafic to Intermediate Volcanics (undif*** pervasive carbonatization, few stringers, weak to v weak fol	331383	77.66	78.85	1.19	0.014
			331384	78.85	79.16	0.31	0.020
			331385	79.16	80.07	0.91	0.011
80.47	88.09	**1** ***Mafic to Intermediate Volcanics (undif*** numerous qtz/carb stringers, mostly conform; 274.0' Qtz vein, 10 cm, conform, sharp cts, f gr qtz, chl incl, tr sulph; 281.6' Qtz/carb vein, conform?, minor carb, py cubes ~1mm in v fgr rock around vein; Qtz vein @ 282.4', 1 cm, "S" fold, sharp cts, minor py; Qtz vein @ 284.5', boudinaged, minor carb, c gr blebs py	331386	80.07	81.17	1.10	0.022
			331387	81.17	82.08	0.91	1.299
			331388	82.08	83.24	1.16	0.044
			331389	83.24	84.28	1.04	0.018
			331390	84.28	84.64	0.36	0.009
			331391	84.64	86.35	1.71	0.028
			331392	86.35	87.54	1.19	0.013

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			331393	87.54	88.54	1.00	0.023
88.09	88.70	**11s** ***Shear Zone*** f gr matrix with 1 mm sized carb frags throughout + minor py in cubes up to 1 mm, well carbonatized; protomylonite?					
88.70	92.51	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	331394	88.54	89.92	1.38	0.023
			331395	89.92	91.14	1.22	0.011
			331396	91.14	92.26	1.12	0.003
92.51	93.57	**LC** ***Lost Core*** disrupted (spilled) core, missing pieces of split core, incomplete record of mixed pcs	331397	92.26	92.96	0.70	0.012
			331398	92.96	93.70	0.74	0.094

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
93.57	107.72	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz vein @ 318', conform, 2.5 cm, med gr qtz, sharp cts, NVS; Qtz vein @ 321', conform, 3 cm, sharp cts, slight boudinage, wall incl along fol, tr sulph; Qtz/carb vein @ 327.8', conform, 3 cm, sharp cts, f gr qtz, NVS; zone of py enrichment @ 336.7', 10 cm, mm scale blebs in f gr matrix; 337' thin qtz vein minor py cubes ~1mm	331400	93.70	94.85	1.15	0.054
			331401	94.85	96.01	1.16	0.009
			331402	96.01	97.08	1.07	0.017
			331403	97.08	98.21	1.13	0.015
			331404	98.21	99.55	1.34	0.037
			331405	99.55	100.28	0.73	0.003
			331406	100.28	101.10	0.82	0.006
			331407	101.10	102.11	1.01	0.010
			331408	102.11	103.08	0.97	0.017
			331409	103.08	104.06	0.98	0.013
			331410	104.06	105.16	1.10	0.022
			331411	105.16	105.98	0.82	0.022
			331412	105.98	106.89	0.91	0.010
			331413	106.89	107.90	1.01	0.013
107.72	113.54	**1** ***Mafic to Intermediate Volcanics (undif*** greenstone, well carbonatized, fol @ 055, numerous thin (2 - 10 mm) conformable qtz/carb veins/stringers	331414	107.90	108.81	0.91	0.003
			331415	108.81	109.88	1.07	0.006
			331416	109.88	111.04	1.16	0.008
			331417	111.04	112.07	1.03	0.007
			331418	112.07	113.08	1.01	0.006
			332386	113.08	113.69	0.61	0.003
113.54	114.00	**1** ***Mafic to Intermediate Volcanics (undif*** occ stringers, Qtz/carb vein @ 373.0', conform, 1.5 cm, minor med gr py	332388	113.69	114.15	0.46	0.101

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
114.00	114.06	**10qc** ***Quartz-carbonate Vein*** upper ct x-cut, 6 cm, sharp cts, irreg "S" fold, med gr qtz, c gr carb along cts, wall incl, minor tour?, minor po + py					
114.06	115.06	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332389	114.15	114.91	0.76	0.017
115.06	115.09	**10qc** ***Quartz-carbonate Vein*** x-cut @ 090, 6 mm, irreg, minor dissem po + py					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
115.09	134.63	**1** ***Mafic to Intermediate Volcanics (undif***	331419	114.91	115.79	0.88	0.050
		381.5' grey gran conform sil zone, 12 cm, minor dissem po; well carbonatized; 414.2' grey, gran conform sil zone, 5 cm, tr dissem po, minor mgt porphoblasts ~1mm or less, chl rich; massive tex ~415' to 421'; fol @025 at 425', increasing to 042 by 439'; increasing py and mgt from 421' - 441'	331420	115.79	116.86	1.07	0.088
			331421	116.86	117.99	1.13	0.003
			331422	117.99	118.66	0.67	0.006
			331423	118.66	119.85	1.19	0.007
			331425	119.85	120.91	1.06	0.003
			331426	120.91	122.22	1.31	0.008
			331427	122.22	123.44	1.22	0.010
			331428	123.44	124.60	1.16	0.009
			331429	124.60	125.82	1.22	0.011
			331430	125.82	126.49	0.67	0.013
			331431	126.49	127.53	1.04	0.007
			331432	127.53	128.78	1.25	0.009
			331433	128.78	129.91	1.13	0.008
			331434	129.91	131.03	1.12	0.006
			331435	131.03	132.04	1.01	0.010
			331436	132.04	133.05	1.01	0.006
			331437	133.05	134.42	1.37	0.009
134.63	137.16	**1** ***Mafic to Intermediate Volcanics (undif***	331438	134.42	135.64	1.22	0.010
		by 441' rock is strongly fol, becoming richer in chl with tr f gr dissem py + po	331439	135.64	136.64	1.00	0.005

LITHOLOGY REPORT
- Detailed -

Hole Number **86-18** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
137.16	157.86	**1** ***Mafic to Intermediate Volcanics (undif*** grey gran conform sil zone at 470.0', 6 cm, f - med gr py + mgt ~5%; mgt present but minor to tr 489.5 - 525.0'; rock poorly carbonatized to 490', well carbonatized 490 - 503', poor 503-515' where numerous thin stringers carry cal; Qtz vein @ 508.9', conform, 1 - 4 cm, sharp cts, NVS	331440	136.64	137.71	1.07	0.005
			331441	137.71	139.45	1.74	0.003
			331442	139.45	140.79	1.34	0.007
			331443	140.79	141.73	0.94	0.005
			331444	141.73	142.65	0.92	0.006
			331445	142.65	143.59	0.94	0.010
			331446	143.59	144.78	1.19	0.007
			331447	144.78	145.69	0.91	0.008
			331448	145.69	146.94	1.25	0.003
			331450	146.94	148.01	1.07	0.005
			331451	148.01	149.23	1.22	0.003
			331452	149.23	150.57	1.34	0.003
			331453	150.57	151.91	1.34	0.003
			331454	151.91	153.01	1.10	0.003
			331455	153.01	153.92	0.91	0.003
			331456	153.92	155.08	1.16	0.003
			331457	155.08	156.21	1.13	0.003
			331458	156.21	157.49	1.28	0.006
157.86	157.95	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, 7 cm, wht med gr qtz, minor carb, minor dissem po + py, chl incl, minor bio					
157.95	160.02	**1** ***Mafic to Intermediate Volcanics (undif*** EOH @ 525'/160.02m	331459	157.49	158.62	1.13	0.079
			331460	158.62	160.02	1.40	0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-18** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)

DRILL HOLE REPORT

Hole Number **86-19** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 83.97
Started:
Completed:
Logged: 30-Nov-16
Comment:

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298075.06
North: 4947325.82
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-19** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	4.57	**Ovb** ***Overburden*** Overburden					
4.57	22.65	**1** ***Mafic to Intermediate Volcanics (undif*** fg, grey grey, GS, mod to weak fol, pervasive carbonatization starts poor to mod, increses to strong @ 45'; 17.0 - 18.5' well fol, numerous qtz/carb stringers, elevated bio content, tr sulph (minor shear - contact zone?); Carb vein @ 23.7', conform, 6 cm, mg cal, NVS; Carb vein @ 24.3', as above (23.7'); highly siliceous about 62 - 82'	330315	4.48	5.46	0.98	0.016
			330316	5.46	6.43	0.97	0.027
			330317	6.43	7.41	0.98	0.038
			330318	7.41	8.23	0.82	0.050
			330319	8.23	9.39	1.16	0.014
			330320	9.39	10.30	0.91	0.003
			330321	10.30	11.16	0.86	0.008
			330322	11.16	12.25	1.09	0.003
			330323	12.25	13.35	1.10	0.023
			330325	13.35	14.33	0.98	0.050
			330326	14.33	15.21	0.88	0.037
			330327	15.21	16.22	1.01	0.057
			330328	16.22	17.10	0.88	0.032
			330329	17.10	18.04	0.94	0.068
			330330	18.04	18.90	0.86	0.072
			330331	18.90	19.72	0.82	0.049
			330332	19.72	21.09	1.37	0.046
			330333	21.09	21.95	0.86	0.084
			330334	21.95	22.56	0.61	0.021

LITHOLOGY REPORT
- Detailed -

Hole Number **86-19** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
22.65	22.98	**10qc** ***Quartz-carbonate Vein*** upper ct looks conform, lower looks x-cut, wht mg qtz, minor carb, minor po blebs, minor py fg frac fill, chl incl	330335	22.56	22.98	0.42	3.273
22.98	41.91	**1** ***Mafic to Intermediate Volcanics (undif*** grad change to mod fol at ~83', freq of stringers increase; 87.5 - 89.6' zone with patches of fg cal (boudinaged veins?), generally conform, but "patchy" and irreg, NVS; med to dk grn; carbonatization poor after 89', picks up to mod - good about 148'; 97.6 - 98.7' zone with bands of fg gran wht carb and vfg grey qtz, chl & wall incl, all conform @ 023, most ~ 0.5 cm, tr sulph; Qtz/carb vein @ 100.5', x-cut @ 040, 3 cm, fg, minor po blebs, chl incl, bio seam on upp ct; grey/wht fg gran sil zone @ 105.0 - 106.5', minor fg dissem carb, minor dissem fg po; Qtz/carb vein @ 125.0', x-cut @ 070, 1.5 cm, m - cg, sharp cts, thin 5 mm qtz/carb vein truncated by first vein at 025, (conform), fg, NVS; 132 - 134' siliceous zone with gradational diffuse cts	330336	22.98	23.68	0.70	1.499
			330337	23.68	24.66	0.98	0.010
			330338	24.66	25.42	0.76	0.003
			330339	25.42	26.61	1.19	0.003
			330340	26.61	27.49	0.88	0.009
			330341	27.49	28.32	0.83	0.010
			330342	28.32	29.29	0.97	0.007
			330343	29.29	30.14	0.85	0.003
			330344	30.14	30.48	0.34	0.003
			330345	30.48	30.78	0.30	0.035
			330346	30.78	31.70	0.92	0.003
			330347	31.70	32.58	0.88	0.008
			330348	32.58	33.80	1.22	0.518
			330350	33.80	34.84	1.04	0.253
			330351	34.84	36.03	1.19	0.345
			330352	36.03	37.03	1.00	0.401
			330353	37.03	37.95	0.92	0.117
			330354	37.95	39.01	1.06	0.006
			330355	39.01	39.99	0.98	0.010
			330356	39.99	40.72	0.73	0.064

LITHOLOGY REPORT
- Detailed -

Hole Number **86-19** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			330357	40.72	41.88	1.16	0.003
41.91	42.40	**10qc** ***Quartz-carbonate Vein*** conform?, wht fg qtz + carb, chl + wall incl along fol, v irreg cts, NVS					
42.40	43.59	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	330358	41.88	42.95	1.07	0.020
			330359	42.95	43.68	0.73	0.003
43.59	44.62	**11s** ***Shear Zone*** boudinaged qtz/carb vein @ 143 - 144', below numerous stringers and fg qtz + carb frags along fol; broken core @ 145.5', ~ 2.5 cm	330360	43.68	44.74	1.06	0.148
44.62	44.74	**11f** ***Fault Zone*** broken core, multiple ss surfaces, no mineralization or weathering present (late stage), no obvious displacement					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-19** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
44.74	45.48	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	330361	44.74	45.69	0.95	0.031
45.48	45.66	**11f** ***Fault Zone*** broken core as above (146.4')					
45.66	58.64	**1** ***Mafic to Intermediate Volcanics (undif*** grey fg gran sil zone @ 155.2 - 155.9', conform, NVS; unit becomes weakly fol, massive looking, well carbonatized, lt grn/grey colour; Qtz/carb vein @ 166.8', x-cut @ 020, wht mg qtz, chl incl, minor blebs po; 190.4 - 192.4' zone of intense silicification, fg grey to mg wht qtz, with qtz frags, minor carb, minor blebs po + py + marcas, rusty zones	330362	45.69	46.85	1.16	0.036
			330363	46.85	47.76	0.91	0.086
			330364	47.76	48.43	0.67	0.040
			330365	48.43	49.71	1.28	0.059
			330366	49.71	50.72	1.01	0.054
			330367	50.72	51.33	0.61	0.008
			330368	51.33	52.03	0.70	0.053
			330369	52.03	52.91	0.88	0.007
			330370	52.91	54.07	1.16	0.008
			330371	54.07	55.08	1.01	0.005
			330372	55.08	56.11	1.03	0.006
			330373	56.11	56.97	0.86	0.003
			330375	56.97	57.61	0.64	0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-19** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			330376	57.61	58.03	0.42	0.019
			330377	58.03	58.52	0.49	0.047
58.64	59.22	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, wht m - cg qtz, v minor carb + chl, minor marcas at lower ct	330378	58.52	59.25	0.73	0.003
59.22	63.52	**1** ***Mafic to Intermediate Volcanics (undif*** grey fg gran sil zone @ 194.3 - 196.5', minor vfg chl incl, minor epidote? alt, tr sulph; Qtz/carb vein @ 203.8', 4 cm, x-cut @ 070, minor marcas, fg py, tr cpy; Qtz/carb vein @ 205.1', x-cut @ 070, 5 cm, fg wht qtz, minor carb, minor marcas + py; Minor shear @ 207.3', 2.5 cm, ss break @ 065	330379	59.25	59.89	0.64	0.007
			330380	59.89	60.62	0.73	0.003
			330381	60.62	61.57	0.95	0.007
			330382	61.57	62.67	1.10	0.006
			330383	62.67	63.55	0.88	0.003
63.52	63.61	**11s** ***Shear Zone*** 9 cm zone of bio rich well fol (but competent) rock @ 065 - 070, minor thin carb smears or stringers, several ss surfaces, NVS					
63.61	64.13	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	330384	63.55	64.07	0.52	0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-19** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
64.13	64.31	**10qc** ***Quartz-carbonate Vein*** conform, wht fg qtz, abundant chl + wall incl, tr sulph blebs, v minor fg py frac fill films, ss at lower ct					
64.31	64.47	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	330385	64.07	64.62	0.55	0.006
64.47	64.62	**10qc** ***Quartz-carbonate Vein*** as above (210.4')					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-19** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
64.62	70.04	**1** ***Mafic to Intermediate Volcanics (undif*** Carb vein @ 218.8', conform, 3.5 cm, gran cal, NVS; Qtz/carb vein @ 227.9', gen conform, 14 cm, wht fg qtz, chl incl, v minor fg py frac fill films, minor po/py blebs, minor carb	330386	64.62	65.32	0.70	0.030
			330387	65.32	66.42	1.10	0.007
			330388	66.42	67.67	1.25	0.006
			330389	67.67	68.67	1.00	0.003
			330390	68.67	69.40	0.73	0.008
			330391	69.40	69.71	0.31	0.003
			330392	69.71	70.01	0.30	0.003
70.04	70.35	**10qc** ***Quartz-carbonate Vein*** conform @ 027, fg wht qtz + carb, gran, boudinaged, wall incl, tr sulph	330393	70.01	70.38	0.37	0.003
70.35	76.81	**1** ***Mafic to Intermediate Volcanics (undif*** 231.8 - 233.0', zone of several conform, diffuse carb + qtz stringers; Carb/qtz vein @ 237.0', ~ 8 cm, diffuse cts, tr blebs po; med grn colour; 242.8 - 245.8', low angle (sub parallel) qtz/carb vein, ~ 5 cm, fg qtz + carb, tr vfg sulph, conform; Qtz/carb vein @ 249.7', conform, ~ 5 cm, fg wht qtz + carb, wall incl, NVS	330394	70.38	71.32	0.94	0.003
			330395	71.32	72.02	0.70	0.007
			330396	72.02	73.33	1.31	0.007
			330397	73.33	74.31	0.98	0.003
			330398	74.31	75.07	0.76	0.003
			330399	75.07	75.86	0.79	0.003
			330401	75.86	76.72	0.86	0.009
76.81	76.93	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, fg wht qtz, carb at cts, minor blebs po, py + cpy	330402	76.72	77.02	0.30	0.006

LITHOLOGY REPORT
- Detailed -

Hole Number **86-19** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
76.93	80.62	**1** ***Mafic to Intermediate Volcanics (undif*** Seam of py/po @ 253.2', x-cut @ 090, 2 mm; chaotic app at 263.5 - 264.5'	330403	77.02	77.78	0.76	0.003
			330404	77.78	78.82	1.04	0.003
			330405	78.82	79.86	1.04	0.003
			330406	79.86	80.71	0.85	0.003
80.62	80.74	**11f** ***Fault Zone*** broken core rubble, little to no mineralization, v minor carb, no alteration or gouge					
80.74	83.97	**1** ***Mafic to Intermediate Volcanics (undif*** wht/grey fg gran sil zone @ 267.3 - 270.0', v minor vfg carb, tr fg sulph; Qtz/carb vein @ 270.0', 1 cm, wht fg; grn/grey fg gran sil zone @ 271.7 - 275.0', NVS; EOH @ 275.5'	330407	80.71	81.56	0.85	0.003
			330408	81.56	82.63	1.07	0.003
			330409	82.63	83.30	0.67	0.006
			330410	83.30	83.97	0.67	0.008

DRILL HOLE REPORT

Hole Number **86-20** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -75
Length: 146.3
Started:
Completed:
Logged: 02-Nov-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: Overlapping intervals from 63.09-64.56m at the time of report. Pending data verification.

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298081.73
North: 4947548.28
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-75.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-20** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	0.61	**Ovb** ***Overburden*** Overburden					
0.61	3.57	**1** ***Mafic to Intermediate Volcanics (undif*** greenstone, f gr, dk grn, occ stringers of qtz/carb (3 - 12 mm), mostly conform, mild silification, weak to moderate fol 040 to 035; generally well carbonatized down to 55', poor to 68', then well carb; 2.6 - 3.0' grey, gran, conform sil zone, minor carb, tr dissem po, chl + wall rock incl; 3.8' wht qtz/carb vein, conform, 2.5 cm, f gr, sharp cts, NVS; 9.1' grey, gran conform sil zone, 8 cm, minor carb, minor blebs of po with tr py	331461 331462 331463	0.27 1.52 2.74	1.52 2.74 3.72	1.25 1.22 0.98	0.003 0.005 0.003
3.57	3.72	**11s** ***Shear Zone*** highly fol zone @025, about 15 cm, qtz + carb frags smeared along fol, minor f gr po					
3.72	8.23	**1** ***Mafic to Intermediate Volcanics (undif*** 23.6' grey gran conform sil zone 28 cm, minor carb, tr dissem po; 24.9' grey gran conform sil zone, 15 cm, minor blebs of f gr po with tr py, bio along cts	331464 331465 331466 331467	3.72 4.82 5.88 7.32	4.82 5.88 7.32 8.44	1.10 1.06 1.44 1.12	0.005 0.003 0.003 0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-20** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
8.23	8.32	**11f** ***Fault Zone***					
		12 cm zone of broken core with rust staining, joint or minor fault, increased fol around zone.					
8.32	12.68	**1** ***Mafic to Intermediate Volcanics (undif***	331468	8.44	9.51	1.07	0.003
		31.1 - 33.7' shear zone of highly fol, med gr bio rich, carb rich, tr sulph	331469	9.51	10.42	0.91	0.003
			331470	10.42	11.70	1.28	0.003
			331471	11.70	12.89	1.19	0.003
12.68	12.89	**11s** ***Shear Zone***					
		zone of smeared cal/qtz frags up to 1 cm long, well fol, bio rich, fractured core, tr sulph					
12.89	13.84	**1** ***Mafic to Intermediate Volcanics (undif***	331472	12.89	13.56	0.67	0.003
		Metavolcanics					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-20** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
13.84	14.14	**11s** ***Shear Zone***	331473	13.56	14.54	0.98	0.003
		wht f gr granular qtz, appears conform, wall incl bio + chl incl, tr po + py; sheared contact zone?					
14.14	24.78	**1** ***Mafic to Intermediate Volcanics (undif***	331475	14.54	15.61	1.07	0.003
		Qtz/carb vein @ 49.2', 1 cm, conform, sharp cts, wht f gr qtz, NVS; below is grey gran conform sil zone about 10 cm, NVS; minor brecciation apparent to about 77'	331476	15.61	16.46	0.85	0.003
			331477	16.46	17.68	1.22	0.003
			331478	17.68	18.87	1.19	0.003
			331479	18.87	20.03	1.16	0.003
			331480	20.03	21.34	1.31	0.003
			331481	21.34	22.56	1.22	0.003
			331482	22.56	23.77	1.21	0.003
			331483	23.77	24.69	0.92	0.003
24.78	25.05	**11s** ***Shear Zone***					
		grey gran conform sil zone showing brecciated characteristics, abundant wall rock incl, tr sulph; sheared contact zone?					
25.05	26.64	**1** ***Mafic to Intermediate Volcanics (undif***	331484	24.69	25.94	1.25	0.003
		Metavolcanics	331485	25.94	27.16	1.22	0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-20** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
26.64	26.67	**10qc** ***Quartz-carbonate Vein*** x-cut @ 070, 1 cm, sharp cts, irreg, subparallel to fol, minor carb, tr dissem po					
26.67	27.58	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
27.58	27.74	**11s** ***Shear Zone*** shear zone at about 040, bio/chl rich, well fol, f gr blastomylonite	331486	27.16	28.22	1.06	0.003

LITHOLOGY REPORT
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Hole Number **86-20** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
27.74	39.29	**1** ***Mafic to Intermediate Volcanics (undif*** unit becomes well silicified and carbonatized between ~99' and 113'; between 106.8 - 107.4' qtz and carb frags along fol, minor po + py	331487	28.22	29.29	1.07	0.003
			331488	29.29	30.48	1.19	0.003
			331489	30.48	31.70	1.22	0.003
			331490	31.70	32.92	1.22	0.003
			331491	32.92	34.05	1.13	0.003
			331492	34.05	34.87	0.82	0.003
			331493	34.87	36.24	1.37	0.003
			331494	36.24	37.49	1.25	0.003
			331495	37.49	38.44	0.95	0.006
			331496	38.44	39.26	0.82	0.007
39.29	39.68	**10qc** ***Quartz-carbonate Vein*** wht to grey f gr qtz with minor carb, roughly conform, moderate f - med gr py, (cubes to 0.5 mm), mgt porphyoblasts and euhedral xtals (to 0.2 mm), f gr dissem po in wall rock	331497	39.26	40.08	0.82	0.003
39.68	45.17	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 131.6', conform, 5 cm, brecc wall incl, minor po, py, tr cpy; below is grey gran conform sil zone, 24 cm tr mgt; 144.5 - 145.5' carbonatized and silicified zone	331498	40.08	40.84	0.76	0.003
			331500	40.84	42.00	1.16	0.006
			331501	42.00	43.16	1.16	0.007
			331502	43.16	44.14	0.98	0.019
			331503	44.14	45.14	1.00	0.007
45.17	45.23	**10qc** ***Quartz-carbonate Vein*** x-cut, subparallel to core axis, irreg, wht med gr qtz, ragged cts, chl and wall incl, tr sulph near cts					

LITHOLOGY REPORT
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Hole Number **86-20** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
45.23	56.21	**1** ***Mafic to Intermediate Volcanics (undif***	331504	45.14	45.93	0.79	0.003
		Qtz/carb vein @ 161.4', conform, 15 cm, sharp cts, NVS	331505	45.93	46.94	1.01	0.007
			331506	46.94	47.79	0.85	0.009
			331507	47.79	48.98	1.19	0.006
			331508	48.98	49.99	1.01	0.003
			331509	49.99	51.05	1.06	0.006
			331510	51.05	52.03	0.98	0.006
			331511	52.03	53.04	1.01	0.014
			331512	53.04	54.13	1.09	0.019
			331513	54.13	55.47	1.34	0.021
			332390	55.47	56.08	0.61	0.032
56.21	56.24	**10qc** ***Quartz-carbonate Vein***	332391	56.08	56.39	0.31	1.643
		x-cut @ 085-090, 5 cm, sharp cts, wht f gr, minor carb, minor py along walls and in wall rock					

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Hole Number **86-20** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
56.24	69.10	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 205.6', x-cut @ 010 against fol, 1 cm, sharp cts, minor py, tr cpy, tr tour?; 226.5' as with 205.6' tr sulph	332392	56.39	57.00	0.61	0.039
			331514	57.00	58.25	1.25	0.019
			331515	58.25	59.25	1.00	0.066
			331516	59.25	60.47	1.22	0.048
			331517	60.47	61.69	1.22	0.028
			332393	62.00	62.54	0.54	0.030
			332394	62.54	63.09	0.55	0.015
			332395	63.09	63.67	0.58	0.037
			331518	63.40	64.56	1.16	0.011
			331519	64.56	65.62	1.06	0.003
			331520	65.62	66.81	1.19	0.003
			331521	66.81	68.06	1.25	0.003
			331522	68.06	68.85	0.79	0.003
69.10	74.55	**11s** ***Shear Zone*** brecciated frags grading to blastomylonitic fabric by 232', shearing at 040, but variable.	332396	68.85	69.52	0.67	0.003
			331524	70.71	71.75	1.04	0.020
			331526	71.75	72.91	1.16	0.026
			331527	72.91	73.91	1.00	0.032
			331528	73.91	75.01	1.10	0.010
74.55	77.42	**1** ***Mafic to Intermediate Volcanics (undif*** massive tex to poor fol, well carbonatized; becomes v f gr about 250' to 264' with minor to tr mgt, minor po + py; 250.5 - 251.4' Qtz/carb vein, conform, c gr carb, minor blk bio, minor py	331529	75.01	76.26	1.25	0.003
			331530	76.26	76.78	0.52	0.003
			331531	76.78	77.57	0.79	0.003

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Hole Number **86-20** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
77.42	78.33	**1** ***Mafic to Intermediate Volcanics (undif***	331532	77.57	78.64	1.07	0.003
		several subparallel (~005) fractures, veinlets or seams carrying f gr carb and py					
78.33	87.87	**1** ***Mafic to Intermediate Volcanics (undif***	331533	78.64	79.71	1.07	0.009
		Metavolcanics	331534	79.71	80.83	1.12	0.018
			331535	80.83	81.84	1.01	0.003
			331536	81.84	83.03	1.19	0.003
			331537	83.03	84.12	1.09	0.003
			331538	84.12	85.13	1.01	0.024
			331539	85.13	86.23	1.10	0.015
			331540	86.23	87.42	1.19	0.003
			331541	87.42	88.27	0.85	0.003
87.87	87.93	**10qc** ***Quartz-carbonate Vein***					
		slightly x-cut, sharp cts, wht f gr, minor carb, tr py					
87.93	87.97	**1** ***Mafic to Intermediate Volcanics (undif***					
		Metavolcanics					

LITHOLOGY REPORT
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Hole Number **86-20** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
87.97	88.00	**10qc** ***Quartz-carbonate Vein*** as above 288.3 - 288.5'					
88.00	102.26	**1** ***Mafic to Intermediate Volcanics (undif*** 295.9' grey gran conform sil zone, 10 cm; 332.0' wht and grey, gran conform sil zone, upper ct unclear, 18 cm, tr py + po + mgt	331542	88.27	89.31	1.04	0.003
			331543	89.31	90.22	0.91	0.003
			331544	90.22	91.47	1.25	0.003
			331545	91.47	92.72	1.25	0.003
			331546	92.72	94.03	1.31	0.003
			331547	94.03	95.40	1.37	0.003
			331548	95.40	96.62	1.22	0.003
			331549	96.62	97.72	1.10	0.003
			331551	97.72	98.76	1.04	0.003
			331552	98.76	99.97	1.21	0.003
			331553	99.97	100.95	0.98	0.003
			331554	100.95	101.96	1.01	0.003
102.26	102.29	**10qc** ***Quartz-carbonate Vein*** x-cut, subparallel to fol, f - med gr, minor bio frags and along cts, tr dissem sulph					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-20** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
102.29	136.25	**1** ***Mafic to Intermediate Volcanics (undif*** rock very competent and tough (long core sections), chl rich, occ bio, minor amphibole appears at 349'; grey, gran conform sil zone @ 388, 16 cm, wht /grey qtz, f gr dissem po + py (rare sub mm cubes), chl incl; 417.8 - 418.3' grey gran conform sil zone, minor carb, minor mgt (minute porphyoblasts), minor f gr dissem po	331555	101.96	102.93	0.97	0.003
			331556	102.93	103.88	0.95	0.003
			331557	103.88	104.85	0.97	0.003
			331558	104.85	105.83	0.98	0.003
			331559	105.83	107.05	1.22	0.003
			331560	107.05	108.02	0.97	0.003
			331561	108.02	109.03	1.01	0.003
			331562	109.03	110.28	1.25	0.003
			331563	110.28	111.50	1.22	0.003
			331564	111.50	112.53	1.03	0.003
			331565	112.53	113.63	1.10	0.003
			331566	113.63	114.85	1.22	0.003
			331567	114.85	116.13	1.28	0.006
			331568	116.13	117.53	1.40	0.005
			331569	117.53	118.63	1.10	0.003
			331570	118.63	119.63	1.00	0.006
			331571	119.63	120.52	0.89	0.007
			331572	120.52	121.83	1.31	0.003
			331573	121.83	122.71	0.88	0.006
			331574	122.71	123.99	1.28	0.003
			331576	123.99	124.91	0.92	0.007
			331577	124.91	126.19	1.28	0.003
			331578	126.19	127.10	0.91	0.003
			331579	127.10	127.80	0.70	0.003
			331580	127.80	128.93	1.13	0.003
			331581	128.93	130.15	1.22	0.003
			331582	130.15	131.25	1.10	0.003

Hole Number **86-20** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			331583	131.25	132.28	1.03	0.003
			331584	132.28	133.62	1.34	0.003
			331585	133.62	134.93	1.31	0.003
			331586	134.93	135.82	0.89	0.003
136.25	136.55	**11f** ***Fault Zone***	331587	135.82	137.04	1.22	0.003
		several slips or fractures at ~020 showing ss surfaces, no mineralization					
136.55	141.03	**1** ***Mafic to Intermediate Volcanics (undif***	331588	137.04	138.38	1.34	0.003
		Metavolcanics	331589	138.38	139.42	1.04	0.003
			331590	139.42	141.12	1.70	0.003
141.03	141.34	**11f** ***Fault Zone***					
		broken core, fractured (some core grinding), minor qtz + carb, no sign of displacement, tr f gr dissem po in core pcs					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-20** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
141.34	146.30	**1** ***Mafic to Intermediate Volcanics (undif*** disrupted fol between 462 - 475'; EOH @ 480'	331591	141.12	142.37	1.25	0.003
			331592	142.37	143.26	0.89	0.003
			331593	143.26	144.48	1.22	0.003
			331594	144.48	145.69	1.21	0.003
			331595	145.69	146.30	0.61	0.003

DRILL HOLE REPORT

Hole Number **86-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -50
Length: 124.97
Started:
Completed:
Logged: 03-Nov-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -Some sample intervals from 1986 (with split core) have missing pcs
-Overlapping intervals from 109.18-110.92m at the time of report. Pending data verification.

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298113.54
North: 4947372.13
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-50.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	0.61	**Ovb** ***Overburden*** broken core, friable down to 8.0'					
0.61	8.96	**1** ***Mafic to Intermediate Volcanics (undif*** greenstone, f gr, dk grn, occ stringers of qtz/carb, mostly conformable; moderate fol 040 @ 8.0', ~045 @ 22'; Qtz vein @ 16.0', conform, 6 cm, wht med gr qtz, minor py	331596	0.61	1.77	1.16	0.003
			331597	1.77	2.44	0.67	0.003
			331598	2.44	3.66	1.22	0.003
			331599	3.66	4.82	1.16	0.003
			331601	4.82	5.94	1.12	0.007
			331602	5.94	7.16	1.22	0.003
			331603	7.16	8.23	1.07	0.003
			331604	8.23	9.45	1.22	0.010
8.96	8.99	**10c** ***Carbonate Vein*** x-cut @ 020 against fol, 8 mm, f gr granular, abundant py (porphyoblasts?)					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
8.99	25.76	**1** ***Mafic to Intermediate Volcanics (undif*** unit becomes well fol @ 043, chl rich; Qtz/carb vein @36.6 - 37.4', conform, sheared?, f gr qtz, minor f gr dissem po; 51.9' grey gran conform sil zone, 8 cm, NVS; 61.5 - 62.3' boudinaged qtz/carb vein, NVS; 67.5' Qtz/carb vein, conform, 2.5 cm, NVS; ~60 to 75' strongly fol core with "slatey" breakage, some chl + bio enrichment; 82.8 - 84.5' a few thin qtz stringers (~1 cm ea), minor gran carb and py	331605	9.45	10.61	1.16	0.003
			331606	10.61	11.77	1.16	0.003
			331607	11.77	12.80	1.03	0.010
			331608	12.80	13.99	1.19	0.003
			331609	13.99	15.18	1.19	0.003
			331610	15.18	16.43	1.25	0.003
			331611	16.43	17.40	0.97	0.003
			331612	17.40	18.75	1.35	0.003
			331613	18.75	19.39	0.64	0.003
			331614	19.39	20.33	0.94	0.003
			331615	20.33	21.49	1.16	0.003
			331616	21.49	22.52	1.03	0.003
			331617	22.52	23.53	1.01	0.007
			331618	23.53	24.48	0.95	0.003
			332397	24.48	24.99	0.51	0.003
			332398	24.99	25.69	0.70	0.003
25.76	26.09	**10qc** ***Quartz-carbonate Vein*** x-cut?, wht med gr qtz, minor carb on lower ct, minor chl + py, qtz contains v minor py frac fill films, minor po + py in wall rock, no vg or tellurides, some missing pcs of split core	332399	25.69	26.12	0.43	13.625

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Hole Number **86-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
26.09	34.81	**1** ***Mafic to Intermediate Volcanics (undif***	332400	26.12	27.13	1.01	0.126
		Qtz/carb vein @ 104.2', conform, 5 cm, wht med gr qtz, sharp cts, wall incl, minor py along cts, tr cpy; Qtz vein @ 108.5', conform?, 7 cm, wht f gr qtz, minor carb, chl + bio incl, tr f gr py	331619	27.13	28.32	1.19	0.003
			331620	28.32	29.47	1.15	0.003
			331621	29.47	30.69	1.22	0.003
			331622	30.69	31.58	0.89	0.003
			332401	31.58	32.34	0.76	0.003
			332402	32.34	32.92	0.58	0.003
			332403	32.92	33.22	0.30	0.003
			332404	33.22	33.83	0.61	0.003
			331623	33.83	34.90	1.07	0.003
34.81	34.84	**10qc** ***Quartz-carbonate Vein***					
		x-cut @ 048 against fol, 5 mm, wht granular cal, minor f gr py in cal					
34.84	35.91	**1** ***Mafic to Intermediate Volcanics (undif***	332405	34.90	35.42	0.52	0.003
		Qtz vein @ 116.7', conform, 2.5 cm, minor carb, sharp cts, chl incl, tr py	332406	35.42	35.72	0.30	0.003
35.91	35.94	**10qc** ***Quartz-carbonate Vein***					
		x-cut @ 060, 4 mm, wht f gr granular cal w thin seam of chl, specks of py					

LITHOLOGY REPORT
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Hole Number **86-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
35.94	36.48	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 1119.1', conform, 6 cm, wht f gr qtz, sharp cts, tr py	332407	35.72	36.21	0.49	0.003
36.48	36.52	**10qc** ***Quartz-carbonate Vein*** x-cut, 2 cm, slightly boudinaged, med gr qtz, minor carb, tr po, heavy bio along cts					
36.52	36.67	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332408	36.21	36.85	0.64	0.264
36.67	36.76	**10qc** ***Quartz-carbonate Vein*** x-cut or conform?, irreg, med gr qtz, minor carb, minor med gr grn actinolite blades on upper ct, minor po/py mainly on lower ct					

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Hole Number **86-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
36.76	42.00	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332409	36.85	37.34	0.49	0.003
			331624	37.34	38.56	1.22	0.003
			331626	38.56	39.75	1.19	0.019
			331627	39.75	41.06	1.31	0.005
			331628	41.06	41.79	0.73	0.003
42.00	42.03	**10qc** ***Quartz-carbonate Vein*** x-cut @070, 1 cm, v minor carb, wht med gr qtz, sharp cts, chl incl, NVS					
42.03	43.22	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332410	41.79	42.49	0.70	0.003
			331629	42.49	43.56	1.07	0.003
43.22	43.25	**10qc** ***Quartz-carbonate Vein*** x-cut? (missing pcs), 2.5 cm, wht med gr qtz, NVS					

LITHOLOGY REPORT
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Hole Number **86-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
43.25	48.80	**1** ***Mafic to Intermediate Volcanics (undif***	331630	43.56	44.74	1.18	0.003
		Qtz/carb vein @ 143.1', x-cut, irreg, 3 mm, minor med gr po	331631	44.74	46.06	1.32	0.003
			331632	46.06	47.30	1.24	0.003
			331633	47.30	48.16	0.86	0.003
			332411	48.16	48.77	0.61	0.003
48.80	49.07	**10qc** ***Quartz-carbonate Vein***	332413	48.77	49.13	0.36	0.722
		x-cut @ 060 (upp ct, lower ct @ 070), 30 cm, wht med gr qtz, sharp cts, minor carb, minor py frac fill films					
49.07	53.34	**1** ***Mafic to Intermediate Volcanics (undif***	332414	49.13	49.71	0.58	0.016
		Metavolcanics	331634	49.71	50.90	1.19	0.007
			331635	50.90	52.06	1.16	0.003
			331636	52.06	53.31	1.25	0.003
53.34	53.37	**10qc** ***Quartz-carbonate Vein***					
		x-cut @ 070, 3 mm, med gr qtz, minor carb, minor dissem po/py					

LITHOLOGY REPORT
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Hole Number **86-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
53.37	70.41	**1** ***Mafic to Intermediate Volcanics (undif*** numerous x-cut veins of qtz/carb/po ~1 - 2 mm @ 178.5', 179' & 179.9'; Qtz/carb vein @187.5', 5 mm, NVS but wall rock carries ~2% f gr dissem po; grey gran conform sil zone at 211.2', 8 cm, brecciated, abundant wall incl; fol increases and sulph content to ~2%, f gr along fol; Qtz/carb vein @ 217.0', conform, 3.5 cm, med gr qtz, sharp cts, NVS	331637	53.31	54.35	1.04	0.027
			331638	54.35	55.47	1.12	0.006
			331639	55.47	56.69	1.22	0.022
			331640	56.69	57.91	1.22	0.056
			331641	57.91	59.04	1.13	0.103
			331642	59.04	60.11	1.07	0.269
			331643	60.11	61.20	1.09	0.249
			331644	61.20	62.27	1.07	0.364
			331645	62.27	63.58	1.31	0.219
			331646	63.58	64.62	1.04	0.086
			331647	64.62	65.62	1.00	0.438
			331648	65.62	66.75	1.13	0.270
			331649	66.75	67.85	1.10	0.223
			331651	67.85	69.10	1.25	0.168
			331652	69.10	69.52	0.42	0.258
			332415	69.52	70.35	0.83	0.280
70.41	70.53	**10qc** ***Quartz-carbonate Vein*** appears conform, f - med gr qtz, cm sized blebs of f gr po/py, tr cpy, minor tour	332416	70.35	70.65	0.30	0.269
70.53	73.18	**1** ***Mafic to Intermediate Volcanics (undif*** 234.0' grey gran conform sil zone ~ 8 cm, tr sulph, after this unit is massive tex and well carbonatized down to 238', poor to moderate carbonatiztion after; well silicified	332417	70.65	71.17	0.52	0.168
			332418	71.17	71.48	0.31	0.056
			332419	71.48	72.36	0.88	0.101
			332420	72.36	73.15	0.79	0.071

LITHOLOGY REPORT
- Detailed -

Hole Number **86-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
73.18	73.43	**10qc** ***Quartz-carbonate Vein*** slightly x-cutting, f - med gr wht qtz, med gr carb, sharp cts, wall incl, minor po/py along upper ct	332421	73.15	73.46	0.31	0.087
73.43	76.84	**1** ***Mafic to Intermediate Volcanics (undif*** 241.5 - 244.4' intense silicification, bands of wht to lt grey, wht with grey and minor grn chl and act, all conformable, well fol @ 038; Qtz/carb vein @ 243.8' conform, 2 - 3 cm, sharp cts, minor po + py; Qtz/carb vein @ 245.6', conform, 10 cm, wht med gr qtz, sharp cts, wall incl, minor f gr po	332422	73.46	74.98	1.52	0.097
			332423	74.98	75.56	0.58	0.051
			332424	75.56	76.35	0.79	0.272
			332426	76.35	76.81	0.46	0.410
76.84	76.87	**10qc** ***Quartz-carbonate Vein*** x-cut @ 060, 2 - 5 mm, med gr qtz, minor py, tr aspy?					
76.87	77.02	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332427	76.81	77.11	0.30	0.378

LITHOLOGY REPORT
- Detailed -

Hole Number **86-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
77.02	77.05	**10qc** ***Quartz-carbonate Vein*** x-cut @ 060, as above (252.1'), minor po + py					
77.05	84.46	**1** ***Mafic to Intermediate Volcanics (undif*** grey gran conform sil zone @ 263.4', 18 cm, brecciated wall incl along fol; 264' - 265' elevated po, f gr dissem along fol, ~15%; 271.8 - 273' grey gran conform sil zone, chaotic, some brecciation, disrupted fol	332428	77.11	78.03	0.92	0.049
			331653	78.03	78.64	0.61	0.022
			331654	78.64	79.49	0.85	0.014
			331655	79.49	80.31	0.82	0.138
			332429	80.31	81.08	0.77	0.159
			332430	81.08	82.91	1.83	0.091
			332431	82.91	83.76	0.85	0.247
			332432	83.76	84.19	0.43	0.184
			332433	84.19	84.49	0.30	0.178
84.46	84.49	**10qc** ***Quartz-carbonate Vein*** x-cut, sub-parallel to fol, 2.5 - 3 cm, f gr qtz, minor c gr po					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
84.49	88.39	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 282', conform, 16 cm, wht med gr qtz, sharp cts, wall incl, minor po on upper ct; Qtz/carb vein @ 283.8', conform, 10 cm, sharp cts, wht med gr qtz, abundant wall incl, minor po	332434	84.49	85.22	0.73	0.492
			332435	85.22	85.95	0.73	0.259
			332436	85.95	86.26	0.31	0.241
			332437	86.26	86.99	0.73	0.402
			331656	86.99	87.78	0.79	0.319
			331657	87.78	89.00	1.22	0.510
88.39	89.46	**1** ***Mafic to Intermediate Volcanics (undif*** grey gran conform sil zone , contact zone?,					
89.46	94.40	**1** ***Mafic to Intermediate Volcanics (undif*** unit becomes moderately fol and well carbonatized; grey gran conform sil zone @ 306.7', 10 cm, wall + qtz incl	331658	89.00	90.16	1.16	0.218
			331659	90.16	91.29	1.13	0.127
			331660	91.29	92.05	0.76	0.097
			331661	92.05	92.90	0.85	0.262
			331662	92.90	93.91	1.01	0.025
94.40	94.91	**10qc** ***Quartz-carbonate Vein*** x-cutting ~ 010, some missing pcs (cts hard to determine here), irreg, wall incl, wht med gr qtz, minor po + py, tr tour?	331663	93.91	95.10	1.19	0.003

Hole Number **86-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
94.91	95.65	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	331664	95.10	96.01	0.91	0.003
95.65	95.68	**10qc** ***Quartz-carbonate Vein*** x-cutting @ 075 - 080, 7.5 cm, wht med gr qtz, ss cts, tr sulph (po + py)					
95.68	96.74	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	331665	96.01	96.80	0.79	0.014
96.74	96.77	**10qc** ***Quartz-carbonate Vein*** x-cut, boudinaged, 1 - 3 cm, wht med gr qtz, tr py					
96.77	97.05	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
97.05	97.08	**10qc** ***Quartz-carbonate Vein*** upper ct conform, lower @ 080, 5 - 7 cm, wht med qtz, tr py					
97.08	108.08	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 323.6', conform, 3 cm, boudinaged, NVS; 332 - 334.8' zone of numerous thin cal stringers, chl rich rock, minor mgt; 341.9' Qtz/carb vein,, x-cut @ 020, 1.5 cm, sharp cts, c gr carb along cts, minor dissem py; Qtz vein @ 354.2', x-cut, 5 cm, f gr wht qtz, tr py	331666	96.80	97.63	0.83	0.076
			331667	97.63	98.66	1.03	0.093
			331668	98.66	99.73	1.07	0.074
			331669	99.73	100.49	0.76	0.067
			331670	100.49	101.29	0.80	0.134
			331671	101.29	102.32	1.03	0.066
			331672	102.32	103.39	1.07	0.133
			331673	103.39	104.18	0.79	0.111
			332438	104.18	104.85	0.67	0.181
			331674	104.85	105.83	0.98	0.659
			331676	105.83	107.05	1.22	0.193
			332439	107.05	107.72	0.67	0.210
108.08	108.69	**10qc** ***Quartz-carbonate Vein*** x-cut?, wht med gr qtz, minor carb, minor py frac fill films	332440	107.72	108.87	1.15	0.043

LITHOLOGY REPORT
- Detailed -

Hole Number **86-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
108.69	109.03	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332441	108.87	109.18	0.31	0.735
109.03	109.06	**10qc** ***Quartz-carbonate Vein*** v ragged cts of boudinaged qtz vein with abundant wall incl, minor carb, minor dissem po					
109.06	115.12	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 372.4', conform, 3 mm, irreg and ragged cts, NVS; 372 - 376' elevated po in blebs along fol upto 5%, higher chl content, alteration?, occ boudinaged qtz veins 1 - 3 mm thick; shear zone?	332442	109.18	110.03	0.85	0.365
			331677	109.97	110.92	0.95	0.278
			331678	110.92	111.86	0.94	0.585
			331679	111.86	112.84	0.98	0.251
			331680	112.84	113.39	0.55	0.225
			332444	113.39	114.30	0.91	0.250
			331681	114.30	115.28	0.98	0.252
115.12	115.18	**10qc** ***Quartz-carbonate Vein*** x-cut slightly, 6 cm, wht f gr qtz, sharp cts, minor py along upper ct					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-21** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
115.18	118.41	**1** ***Mafic to Intermediate Volcanics (undif*** occ stringers, mod to well carbonatized fol @ 045; seam of med gr py @ 388.5', x-cut @ 065, 2 mm, minor qtz + carb, sharp cts	331682	115.28	115.85	0.57	0.589
			332445	115.85	116.43	0.58	0.349
			332446	116.43	117.23	0.80	0.254
			332447	117.23	118.57	1.34	0.178
118.41	118.48	**10qc** ***Quartz-carbonate Vein*** boudinaged qtz/carb vein, v irreg, wht med gr qtz, wall incl, minor py + po					
118.48	124.97	**1** ***Mafic to Intermediate Volcanics (undif*** unit becomes moderately fol at 400'; EOH @ 410'	331683	118.57	119.48	0.91	0.374
			331684	119.48	120.49	1.01	0.385
			331685	120.49	121.65	1.16	0.170
			331686	121.65	122.53	0.88	0.037
			331687	122.53	123.63	1.10	0.105
			331688	123.63	124.97	1.34	0.104

DRILL HOLE REPORT

Hole Number **86-22** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -60
Length: 152.4
Started:
Completed:
Logged: 08-Nov-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -Some sample intervals from 1986 (with split core) have missing pcs
-core highly broken ~34.0 - 38.4', suspect intregrity of pcs in order

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298140.46
North: 4947352.4
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-60.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-22** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.83	**Ovb** ***Overburden*** Overburden					
1.83	7.77	**2r** ***Rusty Schist*** med grey, f gr, flakey soft sericite rich rusty phyllitic schist; well fol @ 047, minor f gr dissem po + py ~5 - 10% along fol, no carbonatization	332449 332448	7.41 6.68	7.96 7.41	0.55 0.73	0.029 0.007
7.77	10.67	**2** ***Meta-Pelitic Sediments (undifferentiat*** Garnet bearing zone, v fg red brown gt, minor f gr mgt; Qtz vein @ 25.5', conform, 4 cm, 020, several x-cutting seams of py @ 065	332450 332451 332452	7.96 8.90 9.63	8.90 9.63 10.36	0.94 0.73 0.73	0.010 0.012 0.007
10.67	11.58	**11f** ***Fault Zone*** badly fractured core, appears to be Qtz vein @ 35.2', 1.5 cm, minor carb, minor sulph; contact with greenstone about 36'					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-22** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
11.58	30.97	**1** ***Mafic to Intermediate Volcanics (undif*** dk grey/grn, f gr, well fol but becoming mod fol with depth, becomes more competent with depth, more silicified; well carbonatized; 42.5' brecciated qtz pcs; 43' qtz vein, x-cut @ 055, 6 cm, wht med gr qtz, tr sulph; Qtz vein @ 70.8', conform @ 040, 3 cm, irreg cts, wht f gr qtz, tr sulph; Qtz vein @ 71.3', conform, 2.5 cm, sharp cts, wht f gr qtz, tr sulph; several stringers or boudinaged veins ~ 5mm ea about 79.4'	332453	11.70	12.41	0.71	0.003
30.97	31.58	**11s** ***Shear Zone*** well fol with increased bio (almost to med gr size), blastomylonitic tex, minor euhedral py (cubes up to 2 mm)					
31.58	40.17	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 111.7', conform @ 040, sharp cts, f gr, wall + chl incl, NVS; several thin qtz/carb stringers @ 127.7', conform @ 040, minor blebs py	332454	37.80	38.47	0.67	0.007
			332455	38.47	39.26	0.79	8.991
			332456	39.26	40.02	0.76	0.246
40.17	40.26	**10qc** ***Quartz-carbonate Vein*** x-cut @ 075, 4 cm, wht mg qtz, minor carb, minor fg py frac fill, tr cpy	332457	40.02	40.33	0.31	6.639

LITHOLOGY REPORT
- Detailed -

Hole Number **86-22** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
40.26	70.71	**1** ***Mafic to Intermediate Volcanics (undif*** massive gs, mildly siliceous starting ~170', 182.5' - grey fg gran sil zone, 5 cm,minor bio, minor py, tr mgt; Qtz/carb vein @ 193.8', conform, 2 cm, wht mg qtz, NVS; Qtz vein @ 203.2', x-cut @ 060, 5 cm, wht mg qtz, irreg cts, chl + act incl, NVS, minor seams mgt at cts; Qtz vein @ 209.5', boundinaged, ~2 cm, wht qtz, tr sulph; 229.7' grey/wht fg gran sil zone, 15 cm, conform, abundant wall incl; 229.3 - 230.1', grey/wht fg gran sil zone, minor chl banding, tr sulph; Qtz/carb vein @ 231.3', conform, 1 cm, sharp cts, wht fg qtz, minor carb, tr py;	332458	40.33	40.87	0.54	0.010
			332459	53.34	53.68	0.34	0.003
			332460	54.80	55.50	0.70	0.003
			332461	55.50	55.81	0.31	0.017
			332462	55.81	56.54	0.73	0.010
			332463	60.87	61.75	0.88	0.003
			332465	61.75	62.06	0.31	0.130
			332466	62.06	62.79	0.73	0.006
			332467	63.76	64.53	0.77	0.003
			332468	67.00	67.54	0.54	0.030
			332469	69.86	70.44	0.58	0.021
70.71	71.32	**10qc** ***Quartz-carbonate Vein*** conform?, wht f - mg qtz, f - cg carb, minor fg py frac fill near upper ct, lower ct shows cg carb with minor blk amph, tr sulph	332470	70.44	71.48	1.04	0.039
71.32	76.57	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 235.0', x-cut @ 050, 1.5 cm, tr dissem po; Qtz vein @ 251.4', conform, 1 cm, sharp cts, NVS	332471	75.62	76.50	0.88	0.026

LITHOLOGY REPORT
- Detailed -

Hole Number **86-22** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
76.57	76.66	**10q** ***Quartz Vein*** conform?, wht mg qtz, NVS					
76.66	88.76	**1** ***Mafic to Intermediate Volcanics (undif*** becomes strongly fol ~257', fol @ 015, dissem blebs of py ~2%; Qtz vein @ 258.6', x-cut @ 070, 3 cm, wht fg qtz, tr sulph; 271.3 - 272.0' grey fg gran sil zone; 272.3 - 272.7' grey fg gran sil zone; Qtz/carb vein @ 279.4', conform, 1 cm, minor po + py; Qtz vein @ 285.8', x-cut, 1 cm, irreg, NVS	332472 332473	76.50 88.61	76.99 88.91	0.49 0.30	0.145 1.746
88.76	88.91	**10q** ***Quartz Vein*** x-cut @ 065, 11 cm, wht mg qtz, minor py + po					
88.91	98.45	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz vein @ 306.0', x-cut, 2.5 cm, wht mg qtz, cg po; grey fg gran sil zone @ 310.1', conform, 30 cm, wall + chl incl, with ~5 cm zone of bio zone, ~2% dissem po blebs; below rock is chl rich, well fol, dissem po blebs ~2% decreasing with depth; 311.4' - grey fg gran sil zone as above (310.1'), with ~5 cm bio rich zone, minor fg carb, dissem po, minor dissem py; random stringer frags down to ~ 315' (end of shear zone)					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-22** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
98.45	98.85	**10q** ***Quartz Vein*** conform?, 30 cm, wht mg qtz, cg po with minor py along cts, most of vein "clean" qtz with rare blebs mg py	332474	98.39	98.85	0.46	5.312
98.85	99.67	**1** ***Mafic to Intermediate Volcanics (undif*** grey fg gran sil zone @ 326.2', 10 cm, tr sulph; ~327' minor euhedral mgt xtals grading to subhedral fg mgt porphyoblasts; ~327.4' about 5 cm zone with cg blk amph laths up to 1 x 4 mm					
99.67	100.58	**11s** ***Shear Zone*** well fol with stringer frags, high chl					
100.58	104.12	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz vein @ 331.1, conform?, 2 cm, sharp cts, wht mg qtz, abundant m - cg po, minor py, tr cpy, connecting seam below vein, 2 mm, @020, carries carb, po, py, tr cpy, tr vg; wall rock around carries ~2% fg dissem po; 330 - 350' disrupted fol and vein frags	332475	100.77	101.07	0.30	34.701
			332476	103.97	104.27	0.30	0.535

Hole Number **86-22** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
104.12	104.18	**10qc** ***Quartz-carbonate Vein*** x-cut @ 065, 3 cm, carb rich, heavy f - mg po + py, tr cpy, cg blk amph just above vein					
104.18	115.03	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 353.9', conform?, 3 cm, wht mg qtz. Minor carb, bio + chl incl, tr po; Qtz/carb vein @ 356.0', x-cutting?, 8 cm, wht mg qtz, minor carb and bio, tr po,py, cpy; Qtz/carb vein @ 363.5', conform @ 025, 5 mm, ~5% dissem po	332477	108.36	108.66	0.30	0.167
115.03	115.21	**10qc** ***Quartz-carbonate Vein*** conform?, 30 cm, wht mg qtz, vminor carb, minor cg po, minor fg py frac fill films, tr cpy	332478	114.91	115.21	0.30	17.928
115.21	128.87	**1** ***Mafic to Intermediate Volcanics (undif*** well carbonatized, massive tex, silicified, weak fol @ 043	332479	128.63	129.08	0.45	70.996

LITHOLOGY REPORT
- Detailed -

Hole Number **86-22** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
128.87	129.02	**10qc** ***Quartz-carbonate Vein*** x-cut @ 050, 15 cm, wht mg qtz, cg po at cts, minor py, tr cpy, tr silvery grey min at upp ct (aspy?)					
129.02	138.41	**1** ***Mafic to Intermediate Volcanics (undif*** Seam of qtz/po @ 425.9', tr cpy + aspy?; Qtz/carb stringer @ 443.9', x-cut, 3 - 5 mm, abundant po; Qtz/carb vein @ 444.2',x-cut @ 025 against fol, 5 mm, abundant po, sharp cts	332480	138.26	138.56	0.30	18.287
138.41	138.50	**10qc** ***Quartz-carbonate Vein*** x-cut?, 9 cm, wht mg qtz, minor carb, ragged cts, abundant fg blebs of py + cpy, minor fg py frac fill films, specks of VG					
138.50	139.96	**1** ***Mafic to Intermediate Volcanics (undif*** well carbonatized, siliceous, minor bio, well fol					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-22** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
139.96	139.99	**10qc** ***Quartz-carbonate Vein*** x-cut?, 8 cm, wht mg qtz, minor carb, bio incl, mg po, minor py	332481	139.81	140.12	0.31	0.292
139.99	152.40	**1** ***Mafic to Intermediate Volcanics (undif*** 471 - 476' mostly grey gran fg sil zones interspaced with dk grn basalt, well fol, poorly carbonatized; 477 - 478' grey gran fg sil zone; Qtz seam @ 492.2', x-cut @ 060, 4 mm, wht fg qtz, minor po + py, tr cpy, ~2% dissem sulph above and below seam; Qtz seam @ 493.3', as above (492.2'), 5 mm,; 494 - 498' numerous thin qtz/carb stringers (3 - 5 mm), well fol; EOH @ 500.0'	332482	150.21	150.51	0.30	0.181

DRILL HOLE REPORT

Hole Number **86-23** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 152.4
Started:
Completed:
Logged: 09-Nov-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -Reconstruct box #23 (dropped?) - some missing split core pcs.
-Overlapping intervals from 111.25-113.39m at the time of report. Pending data verification.

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298140.46
North: 4947352.4
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-23** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	2.74	**Ovb** ***Overburden*** Overburden					
2.74	5.94	**2r** ***Rusty Schist*** v rusty schist, orange brn (yellowy first 13'), well fol ~ 050, sericite rich, flakey, soft, friable and fissile, f - c gr py along fol	331689 331690 332483	2.68 3.66 4.85	3.66 4.85 5.88	0.98 1.19 1.03	0.006 0.012 0.039
5.94	6.71	**2** ***Meta-Pelitic Sediments (undifferentiat*** rustiness ends, sulph content drops to ~ 5% dissem py along fol, tr cpy, no carbonatization/ carbonate	332484	5.94	7.01	1.07	0.016
6.71	9.91	**2** ***Meta-Pelitic Sediments (undifferentiat*** grn/grey f gr chlorite schist, fol @ 050, minor bio, some qtz frags, red brn garnet starts, v fgr at first up to 2 - 4 mm, mgt porphyoblasts sub mm scale, by 32' minor mgt in octahedra 3 mm	332485 332486 332487	7.01 8.11 8.96	8.11 8.96 10.00	1.10 0.85 1.04	0.008 0.014 0.021

LITHOLOGY REPORT
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Hole Number **86-23** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
9.91	10.67	**1** ***Mafic to Intermediate Volcanics (undif*** dk grn, f gr greenstone, mod fol, occ qtz/carb stringers with and against fol, carbonatization restricted to stringers	331691	10.00	10.94	0.94	0.003
10.67	10.97	**11f** ***Fault Zone*** broken core pcs, bad recovery, ss surfaces, no mineralization, no sense of displacement					
10.97	19.20	**1** ***Mafic to Intermediate Volcanics (undif*** 59.8' - grey granular f gr qtz conformable, 5 cm, siliceous contact zone?	331692	10.94	12.28	1.34	0.007
			331693	12.28	13.41	1.13	0.003
			331694	13.41	14.63	1.22	0.003
			331695	14.63	15.85	1.22	0.003
			331696	15.85	17.16	1.31	0.003
			331697	17.16	18.23	1.07	0.003
			331698	18.23	19.35	1.12	0.003
19.20	19.23	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, 2.5 cm, sharp but irreg cts, wht med gr qtz, minor carb, NVS					

LITHOLOGY REPORT
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Hole Number **86-23** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
19.23	21.64	**1** ***Mafic to Intermediate Volcanics (undif***	331699	19.35	20.21	0.86	0.005
		Qtz vein @ 68.3', conform, 3 cm, minor carb, minor fg py frac fill films	331701	20.21	21.40	1.19	0.003
21.64	21.88	**10q** ***Quartz Vein***					
		conform, 22 cm, f - mg wht qtz, chl incl, v minor fg py frac fill films, bio seams ~2 mm at cts, tr sulph					
21.88	22.74	**1** ***Mafic to Intermediate Volcanics (undif***	331702	21.40	22.46	1.06	0.003
		Qtz/carb frag (~5 x 8 cm) rded, minor po, along fol					
22.74	22.92	**10qc** ***Quartz-carbonate Vein***	331703	22.46	23.29	0.83	0.003
		conform, wht mg qtz, v minor carb, bio incl, bio seams at cts, minor po/py;					
22.92	23.59	**1** ***Mafic to Intermediate Volcanics (undif***					
		Qtz vein @ 77.0', conform, 2.5 cm, wht mg qtz, NVS					

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Hole Number **86-23** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
23.59	23.77	**10qc** ***Quartz-carbonate Vein*** conform, 15cm, f - mg wht qtz, tr py frac fill films					
23.77	25.60	**1** ***Mafic to Intermediate Volcanics (undif*** brecciated qtz frags with minor carb along fol, tr sulph down to ~ 81'; Qtz vein @ 82.6', x-cut @ 075, 8 cm, (some missing pcs); well carbonatized, numerous stringers and smears of qtz/carb	331704 331705	23.29 24.72	24.72 25.91	1.43 1.19	0.003 0.003
25.60	25.69	**10qc** ***Quartz-carbonate Vein*** x-cut, cg cal, minor mg bio, minor cg qtz, irreg cts, tr fg py					
25.69	25.91	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
25.91	27.13	**11s** ***Shear Zone*** blastomylonitic tex, bio and cal, minor fg py, lower ct shows brecciated material	331706	25.91	26.88	0.97	0.006
27.13	34.02	**1** ***Mafic to Intermediate Volcanics (undif*** well carbonatized, well fol, chl rich gs; Qtz/carb vein @ 98.8', x-cut, 0.5 cm, sharp cts, minor po/py; 105.4' gey fg gran sil zone, conform, 9 cm, bio rich in and around zone	331707	26.88	27.58	0.70	0.006
			331708	27.58	28.65	1.07	0.006
			331709	28.65	29.66	1.01	0.003
			332488	29.66	30.36	0.70	0.009
			331710	30.36	31.06	0.70	0.007
			331711	31.06	32.13	1.07	0.006
			331712	32.13	33.31	1.18	0.003
			331713	33.31	34.14	0.83	0.003
34.02	34.17	**11s** ***Shear Zone*** bio + chl rich shear zone @ 045					
34.17	34.50	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					

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- Detailed -

Hole Number **86-23** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
34.50	34.66	**11s** ***Shear Zone*** sil + bio rich, fissile core, ss along bio cts, fg wht qtz frags along fol, minor carb, tr py	332489	34.14	34.99	0.85	0.006
34.66	35.97	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332490	34.99	35.87	0.88	0.003
35.97	36.12	**10qc** ***Quartz-carbonate Vein*** conform, irreg cts, wht mg qtz, minor carb, minor blk tour at cts, minor blebs py	332491	35.87	36.18	0.31	0.309
36.12	37.61	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332493	36.18	36.97	0.79	0.037
			331714	36.97	37.67	0.70	0.003

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
37.61	37.67	**11s** ***Shear Zone*** well fol bio rich zone with ss conform, NVS, 5 cm					
37.67	49.71	**1** ***Mafic to Intermediate Volcanics (undif*** Shear zone @ 124.0', 3 cm, bio rich some ss, NVS; shear @ 125.7', 5 cm zone as above butmore sil rich; 126.1' - wht fg gran sil zone with chl bands, 8 cm, some ss surfaces, conform, fg dissem po, v minor py frac fill films; 127.3' grey fg gran sil zone, t	331715	37.67	38.50	0.83	0.007
			331716	38.50	39.44	0.94	0.011
			331717	39.44	40.23	0.79	0.009
			331718	40.23	41.30	1.07	0.009
			331719	41.30	42.18	0.88	0.003
			331720	42.18	43.28	1.10	0.003
			331721	43.28	44.29	1.01	0.003
			331722	44.29	45.23	0.94	0.008
			331723	45.23	46.33	1.10	0.011
			331724	46.33	47.15	0.82	0.003
			331726	47.15	48.59	1.44	0.012
			331727	48.59	49.59	1.00	0.003
49.71	49.83	**10qc** ***Quartz-carbonate Vein*** conform, wht mg qtz, abundant wall + chl incl, tr dissem py					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
49.83	50.51	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz vein @ 164.3', conform, 10 cm, minor carb + bio at cts, NVS	331728	49.59	50.60	1.01	0.003
50.51	50.78	**11f** ***Fault Zone*** broken core, coarse brecciated pcs, vuggy cg cal, ~040 against fol, (missing pcs)					
50.78	59.28	**1** ***Mafic to Intermediate Volcanics (undif*** highly fol zone to 168.6', mylonitized, numerous thin qtz/carb stringers, Qtz/carb vein @ 168.7', conform, 1.5 cm, wht fg qtz, minor fg blebs py, minor dissem py + cpy above and below vein; Qtz vein @ 170.9', x-cut, 10 cm, wht mg qtz, minor carb, heavy m	331729	50.93	51.60	0.67	0.003
			332494	51.60	52.43	0.83	0.009
			332495	52.43	53.34	0.91	0.003
			332496	53.34	53.80	0.46	1.127
			332497	53.80	54.44	0.64	0.019
			332498	54.44	55.20	0.76	0.003
			332499	55.20	55.93	0.73	0.003
			332500	55.93	56.63	0.70	0.003
			346501	56.63	57.12	0.49	0.012
			346502	57.12	58.22	1.10	0.003
			346503	58.22	58.89	0.67	0.003
59.28	59.44	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, minor carb, wht fg qtz, v minor fg py frac fill films, irreg cts, minor silvery grey metal (aspy?, bis?, tell?), minor blebs py + po	346504	58.89	59.68	0.79	0.206

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
59.44	63.58	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 199.7', x-cut @ 085, cg carb centre, minor act prisms, minor py	346505	59.68	60.41	0.73	0.003
			346506	60.41	61.17	0.76	0.012
			346507	61.17	61.81	0.64	0.003
			346508	61.81	62.58	0.77	0.071
			346509	62.58	63.55	0.97	0.128
63.58	63.86	**10qc** ***Quartz-carbonate Vein*** conform?, wht/grey cg qtz, cg carb, chl incl, tr mgt, tr sulph					
63.86	70.68	**1** ***Mafic to Intermediate Volcanics (undif*** 209.8 - 210.7' zone of numerous x-cutting stringers 1 - 10 mm thick, minor cg po, minor carb, chl incl, irreg; 214.0 - 215.0' grey fg gran sil zone, conform, abundant wall + chl incl, tr py at upper ct	346510	63.55	64.19	0.64	0.009
			346511	64.19	64.68	0.49	0.037
			346512	64.68	65.41	0.73	0.128
			346513	65.41	66.17	0.76	0.060
			346514	66.17	66.96	0.79	0.231
			346515	66.96	67.70	0.74	0.099
			346516	67.70	68.52	0.82	0.003
			346517	68.52	69.19	0.67	0.072
			346519	69.19	70.10	0.91	0.080
			346520	70.10	70.68	0.58	0.023

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
70.68	70.71	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, 4 cm, carb rich, cg po + py, irreg cts					
70.71	75.16	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 234.0', conform?, 2 cm, heavy cg py, cpy; 235.0' - 30 cm zone with several x-cut seams of gran cal + fg py, up to 4 mm; Qtz/carb vein @ 239.7', x-cut @ 060 against fol, 5 - 10 mm, minor py + po	346521	70.68	71.38	0.70	6.840
			346522	71.38	72.02	0.64	5.576
			331730	72.02	72.36	0.34	0.185
			346523	72.36	73.43	1.07	0.119
			331731	73.43	74.52	1.09	0.296
			331732	74.52	75.10	0.58	0.280
75.16	75.77	**10qc** ***Quartz-carbonate Vein*** conform @ 012, wht fg qtz, minor carb, chl + wall incl, minor blebs po at cts	346524	75.10	76.11	1.01	0.064

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
75.77	86.35	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 253.3', x-cut @ 080, 3 mm, minor carb + po; Qtz/carb frag @ 254.0', ~2 cm, boudinaged, just above grey fg gran sil zone, 5 cm, NVS; fol @ 020 at 246', weak; Qtz vein @ 272.9', x-cut @ 080, irregcts, wht mg qtz, chl + act incl, tr dissem py	346525	76.11	76.81	0.70	0.066
			346526	76.81	77.54	0.73	0.245
			331733	77.54	78.58	1.04	0.142
			331734	78.58	79.49	0.91	0.024
			331735	79.49	80.77	1.28	0.034
			331736	80.77	81.59	0.82	0.012
			331737	81.59	82.27	0.68	0.006
			346527	82.27	83.06	0.79	0.003
			346528	83.06	83.36	0.30	0.013
			346529	83.36	83.88	0.52	0.006
			331738	83.88	85.16	1.28	0.021
			346530	85.16	86.20	1.04	0.026
			346531	86.20	86.50	0.30	0.177
86.35	86.41	**10qc** ***Quartz-carbonate Vein*** x-cut @ 050 against fol, wht mg qtz, v minor carb, cg po at upper ct,					
86.41	108.36	**1** ***Mafic to Intermediate Volcanics (undif*** Carb/po/py vein @ 285.6', x-cut @ 070, 1 cm, cg, irreg, minor cpy; Qtz vein @ 295.8', x-cut @ 070, 9 cm, wht mg qtz, irreg, minor py, minor carb, po + cpy at lower ct; becomes massive tex at 302', dk grn, vfg, mod carbonatized, few stringers; Qtz/carb vei	346547	105.67	106.38	0.71	0.210
			331751	106.38	107.81	1.43	0.938
			346548	107.81	108.51	0.70	0.577
			346532	86.50	86.93	0.43	0.037
			346533	86.93	87.23	0.30	0.051
			346534	87.23	88.42	1.19	0.003
			346535	88.42	89.00	0.58	0.026

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			346536	89.00	90.07	1.07	0.020
			346537	90.07	90.37	0.30	0.089
			346538	90.37	91.07	0.70	0.066
			331739	91.07	92.05	0.98	0.360
			331740	92.05	92.96	0.91	0.071
			331741	92.96	93.97	1.01	0.271
			331742	93.97	95.10	1.13	0.068
			331743	95.10	96.19	1.09	0.919
			331744	96.19	97.54	1.35	0.283
			331745	97.54	98.51	0.97	0.536
			331746	98.51	99.46	0.95	0.036
			331747	99.46	100.37	0.91	0.041
			331748	100.37	101.22	0.85	0.269
			331749	101.22	102.26	1.04	0.285
			346539	102.26	102.87	0.61	0.061
			346540	102.87	103.17	0.30	0.052
			346541	103.17	104.00	0.83	0.088
			346543	104.00	104.61	0.61	0.022
			346544	104.61	104.91	0.30	0.003
			346545	104.91	105.37	0.46	0.012
			346546	105.37	105.67	0.30	0.045
108.36	108.51	**10qc** ***Quartz-carbonate Vein*** brecciated qtz/carb vein, wht fg qtz, abundant wall incl, minor dissem po, v minor fg py frac fill films, minor carb + bio					

LITHOLOGY REPORT
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Hole Number **86-23** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
108.51	109.42	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 356.3', brecciated, 5 cm zone, wht fg qtz,minor po; grey fg gran sil zone @ 357.2', 7 cm	346549	108.51	109.39	0.88	0.182
109.42	109.61	**10qc** ***Quartz-carbonate Vein*** x-cut, wht fg qtz, irreg, cg py + po, some sub mm cubes, minor bio incl, minor fg blebs py, lower ct shows blebs of fg py with minor cpy					
109.61	126.95	**1** ***Mafic to Intermediate Volcanics (undif*** well carbonatized, mod fol, with fg dissem po + py along fol (~1%), minor bio; grey fg gran sil zone @ 360.5 - 361.8'; Qtz vein @ 363.2', irreg, wht mg qtz, minor carb, 1 cm, minor py + po; grey fg gran sil zone @ 363.3', 5 cm; Qtz/carb vein @ 364.8', con	346550	109.39	110.03	0.64	0.284
			346551	110.03	110.95	0.92	0.378
			346552	110.95	111.25	0.30	0.772
			346553	111.25	112.11	0.86	1.769
			331752	111.86	113.39	1.53	1.041
			331753	113.39	114.45	1.06	0.455
			331754	114.45	115.76	1.31	0.235
			331755	115.76	116.98	1.22	0.307
			331756	116.98	118.05	1.07	0.287
			331757	118.05	119.02	0.97	0.230
			331758	119.02	120.15	1.13	0.312
			331759	120.15	121.34	1.19	0.186
			331760	121.34	122.53	1.19	0.230

Hole Number **86-23** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			331761	122.53	123.47	0.94	0.079
			331762	123.47	123.90	0.43	0.016
			346554	123.90	125.27	1.37	0.123
			346555	125.27	125.61	0.34	0.009
			346556	125.61	126.31	0.70	0.003
			331763	126.31	127.01	0.70	0.015
126.95	127.41	**LC** ***Lost Core*** reconstructed core has missing gap					
127.41	127.62	**1** ***Mafic to Intermediate Volcanics (undif*** ~412 - 425' highly siliceous, fg dissem po with minor py and tr cpy along weak fol, slight rusty red/brn colour to core					
127.62	127.89	**10qc** ***Quartz-carbonate Vein*** cts missing, wht mg qtz, mg po, minor py + cpy, tr mgt	346557	127.56	127.96	0.40	0.520

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Hole Number **86-23** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
127.89	144.87	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb/po vein @ 420.6', x-cut, 0.5 - 1 cm; rusty zone ends about 425'; Qtz/carb vein @ 431.6', conform, 1 cm, chl incl, NVS; Qtz/carb vein @ 433.6', irreg but conform, 10 cm, wht fg gran qtz, abundant chl + wall incl along fol, minor carb, tr dissem po	346558	127.96	128.90	0.94	0.205
			346559	128.90	129.51	0.61	0.101
			331764	129.51	130.45	0.94	0.041
			331765	130.45	131.67	1.22	0.036
			331766	131.67	133.17	1.50	0.020
			331767	133.17	134.20	1.03	0.033
			331768	134.20	135.12	0.92	0.047
			331769	135.12	136.28	1.16	0.198
			331770	136.28	137.53	1.25	0.061
			331771	137.53	138.74	1.21	0.128
			331772	138.74	140.06	1.32	0.026
			331773	140.06	141.34	1.28	0.014
			331774	141.34	142.34	1.00	0.024
			331776	142.34	143.16	0.82	0.203
			331777	143.16	144.14	0.98	0.146
			346560	144.14	144.84	0.70	0.009
144.87	145.36	**10qc** ***Quartz-carbonate Vein*** conform?, wht mg qtz, upper ct cg po, minor py + cpy, chl incl, bio at cts, v minor carb	346561	144.84	145.42	0.58	0.003

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- Detailed -

Hole Number **86-23** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
145.36	152.40	**1** ***Mafic to Intermediate Volcanics (undif*** poor to mod carbonatization; Qtz vein @ 478.0', x-cut @ 035, 1 - 3 mm, irreg, (slightly boudinaged?), chl + wall incl, NVS; Qtz vein @ 485.3', conform, 20 cm, wht fg gran, wall incl, tr po; EOH @ 500'	346562	145.42	146.24	0.82	0.003
			331778	146.24	147.43	1.19	0.017
			331779	147.43	148.56	1.13	0.009
			331780	148.56	149.35	0.79	0.013
			331781	149.35	150.45	1.10	0.008
			331782	150.45	151.82	1.37	0.011

DRILL HOLE REPORT

Hole Number **86-24** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: 45
Length: 152.4
Started:
Completed:
Logged: 10-Nov-16
Comment:

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298105.17
North: 4947329.44
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-24** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	3.35	**Ovb** ***Overburden*** rubble to 13'					
3.35	4.51	**1** ***Mafic to Intermediate Volcanics (undif*** med grn, f gr greenstone, mod to well fol, well to mod carbonatized, occ to numerous thin stringers with and against fol					
4.51	4.54	**10q** ***Quartz Vein*** x-cut @ 080, 2 cm, wht to grey med gr qtz, minor carb, minor po+ py, wall incl; fol @ 045					
4.54	10.00	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	331783	4.27	5.03	0.76	0.003
			331784	5.03	6.22	1.19	0.007
			331785	6.22	7.32	1.10	0.015
			331786	7.32	8.35	1.03	0.011
			331787	8.35	9.36	1.01	0.041
			346563	9.36	9.94	0.58	0.024

LITHOLOGY REPORT
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Hole Number **86-24** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
10.00	10.21	**10qc** ***Quartz-carbonate Vein***	346564	9.94	10.24	0.30	1.882
		x-cut @ 080 - 085, wht med gr qtz, c gr carb, minor py + cpy at cts, minor tour?					
10.21	11.92	**1** ***Mafic to Intermediate Volcanics (undif***	346565	10.24	11.34	1.10	0.229
		Metavolcanics	346566	11.34	12.31	0.97	0.003
11.92	12.89	**10q** ***Quartz Vein***	346567	12.31	13.08	0.77	1.464
		conform, wht, med to f gr granular qtz, sharp cts, chl + wall incl, minor f gr carb at lower ct, tr py, lower ct shows ss, chl rich					
12.89	13.75	**1** ***Mafic to Intermediate Volcanics (undif***	346569	13.08	13.84	0.76	0.003
		grey gran conform sil zone 43.6 - 44.5'					

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Hole Number **86-24** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
13.75	14.20	**10q** ***Quartz Vein*** wht med - f gr qtz, minor carb, chl incl, chl slips + ss on lower ct, tr dissem po	346570	13.84	14.23	0.39	0.003
14.20	27.65	**1** ***Mafic to Intermediate Volcanics (undif*** 47 - 48' zone of bio rich, well fol, flattened blebs of sulph along fol, py, cpy, tr po; 48.6' - 50.0' anhedral dissem mgt, ~0.2 - 0.4 mm, folded ?; 50.0' grey, gran conform sil zone, 7 cm; 67.1' grey gran conform sil zone, NVS	346571	14.23	15.09	0.86	0.003
			331788	15.09	16.46	1.37	0.003
			331789	16.46	17.31	0.85	0.009
			331790	17.31	18.44	1.13	0.003
			331791	18.44	19.48	1.04	0.005
			331792	19.48	20.63	1.15	0.006
			331793	20.63	21.61	0.98	0.003
			331794	21.61	22.56	0.95	0.010
			331795	22.56	23.71	1.15	0.009
			331796	23.71	25.05	1.34	0.011
			331797	25.05	26.37	1.32	0.006
			331798	26.37	26.85	0.48	0.003
			346572	26.85	27.55	0.70	2.132
27.65	27.74	**10q** ***Quartz Vein*** conform?(missing pcs showing cts), wht med gr qtz, minor carb, chl at cts, minor py + cpy, wall + chl incl					

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Hole Number **86-24** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
27.74	32.06	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	346573	27.68	28.38	0.70	0.011
			346574	28.38	28.86	0.48	0.010
			331799	28.86	30.08	1.22	0.008
			331801	30.08	30.94	0.86	0.006
			346575	30.94	32.00	1.06	0.010
32.06	32.28	**10qc** ***Quartz-carbonate Vein*** x-cut @ 085 - 090, sharp cts, wht med - f gr qtz, minor f gr py + cpy, tr frac fill films, tr po, aspy?, possible speck of vg; below vein 5 cm zone of well fol chl with numerous ss	346576	32.00	32.49	0.49	0.943
32.28	33.74	**1** ***Mafic to Intermediate Volcanics (undif*** 106 - 114' elevated bio content, f gr, well fol	346577	32.49	33.68	1.19	0.139
33.74	33.77	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, 1 cm, med gr qtz, minor f gr carb, minor f - c gr cpy + py, minor c gr po					

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Hole Number **86-24** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
33.77	39.32	**1** ***Mafic to Intermediate Volcanics (undif***	346578	33.68	34.02	0.34	4.059
		Qtz/carb vein similar to 110.7' @ 111.4'	346579	34.02	34.75	0.73	0.007
			331802	34.75	36.03	1.28	0.003
			331803	36.03	37.06	1.03	0.003
			331804	37.06	38.31	1.25	0.003
			346580	38.31	39.29	0.98	1.121
39.32	39.53	**10qc** ***Quartz-carbonate Vein***	346581	39.29	39.68	0.39	0.085
		x-cut , wht med gr qtz, sharp cts, minor carb, blk tour in qtz, minor py frac fill films, tr cpy					
39.53	39.87	**1** ***Mafic to Intermediate Volcanics (undif***	346582	39.68	39.99	0.31	0.040
		Metavolcanics					
39.87	39.90	**10qc** ***Quartz-carbonate Vein***					
		x-cut @ 070, 3 cm, wht med gr, minor carb, minor py, cpy & po, sharp cts					

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Hole Number **86-24** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
39.90	45.63	**1** ***Mafic to Intermediate Volcanics (undif*** grey, gran conform sil zone @ 139.2 - 140.0'	346583	39.99	40.84	0.85	0.028
			331805	40.84	41.97	1.13	0.461
			331806	41.97	43.28	1.31	0.006
			331807	43.28	44.74	1.46	0.034
			346584	44.74	45.48	0.74	0.003
			346585	45.48	45.78	0.30	0.290
45.63	45.69	**10qc** ***Quartz-carbonate Vein*** x-cut, 5 cm, wht, c gr, abundant c gr carb, tr py					
45.69	50.26	**1** ***Mafic to Intermediate Volcanics (undif*** grey gran conform sil zone @ 163, 8 cm	346586	45.78	46.54	0.76	0.003
			331808	46.54	47.40	0.86	0.003
			331809	47.40	48.46	1.06	0.003
			331810	48.46	49.23	0.77	0.003
			331811	49.23	50.23	1.00	0.003
50.26	50.69	**10q** ***Quartz Vein*** x-cut, med gr wht qtz, tr carb, minor f gr py frac fill films, chl seam on lower ct with c gr po blebs, tr cpy, tr aspy?	346587	50.23	50.75	0.52	0.733

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
50.69	56.91	**1** ***Mafic to Intermediate Volcanics (undif*** grey gran conform sil zone @ 166.3', 24 cm, poor to mod carbonatization; 170 - 175' 9 qtz/carb veins, x-cuttinng @ 085 - 090, f gr granular, minor to tr po; Qtz carb vein @ 184 - 185.6', conform, wht med gr qtz, tr sulph	346588	50.75	51.33	0.58	0.830
			331812	51.33	52.52	1.19	0.009
			331813	52.52	53.19	0.67	0.162
			331814	53.19	54.41	1.22	0.039
			331815	54.41	55.99	1.58	0.154
			346589	55.99	56.81	0.82	0.010
56.91	57.00	**11s** ***Shear Zone*** 10 cm zone of v f gr, well fol, chl, highly carbonatized, tr dissem sulph, ss surfaces					
57.00	70.56	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz vein @ 203', conform, 10 cm, wht f gr qtz, minor carb, minor f gr dissem po + py; 204.8 - 205.6' numerous thin veinlets of carb with py + po, conformable, upto 2% sulph; 224 - 225' grey gran conform sil zone, numerous wall + chl incl along fol; 223 -	331816	56.81	57.79	0.98	0.006
			331817	57.79	59.13	1.34	0.090
			331818	59.13	60.29	1.16	0.599
			331819	60.29	61.60	1.31	0.159
			346590	61.60	62.85	1.25	0.453
			331820	62.85	63.86	1.01	0.076
			331821	63.86	64.77	0.91	0.012
			331822	64.77	65.71	0.94	0.025
			331823	65.71	66.81	1.10	0.045
			331824	66.81	67.97	1.16	0.019
			331826	67.97	68.88	0.91	0.022
			331827	68.88	69.62	0.74	0.006
			346592	69.62	70.41	0.79	0.003

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			346593	70.41	70.71	0.30	0.013
70.56	70.59	**10qc** ***Quartz-carbonate Vein*** conform, 5 cm, wht med gr qtz, minor carb at lower ct, chl incl, NVS, minor dissem po + py in wall rock					
70.59	77.30	**1** ***Mafic to Intermediate Volcanics (undif*** unit becomes pervasively well carbonatized; 240.0 - 242.6' numerous grey gran sil zones with dissem py cubes 1.0 - 0.5 mm, minor blebs po + cpy	346594	70.71	71.32	0.61	0.003
			331828	71.32	72.45	1.13	0.023
			331829	72.45	73.76	1.31	0.011
			331830	73.76	74.68	0.92	0.019
			331831	74.68	75.59	0.91	0.009
			331832	75.59	76.08	0.49	0.141
			346595	76.08	76.99	0.91	0.016
77.30	77.33	**10qc** ***Quartz-carbonate Vein*** x-cut @ 060, 1 cm, carb at cts, grey gran qtz, blebs of med gr po, minor py					
77.33	78.52	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	346596	76.99	77.82	0.83	0.020
			346597	77.82	78.46	0.64	0.008

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
78.52	78.61	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, 10 cm, wht med- c gr qtz + carb, c gr po + cpy at lower ct, tr f gr sulph at upper ct, tr hard silvery grey metal, tr tour					
78.61	80.62	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	346598	78.46	79.46	1.00	0.008
			331833	79.46	80.59	1.13	0.017
80.62	82.78	**11f** ***Fault Zone*** brecciation and poor recovery, fault gouge, upper ct ss @ 021, cal with lg blebs of fg py, (water loss reported in original log)	331834	81.20	81.99	0.79	0.006
82.78	84.31	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	331835	82.30	83.39	1.09	0.014
			331836	83.39	84.61	1.22	0.006

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
84.31	84.34	**10q** ***Quartz Vein*** x-cut @ 060, 5 cm, wht med gr qtz, tr carb, minor po + py					
84.34	88.70	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz vein @ 284.5', conform, 7 cm, wht, med gr qtz, minor carb, minor dissem po; Qtz/carb vein @ 285.6', x-cut, 1 cm, minor c gr po, py + cpy; Qtz vein @ 286.8', x-cut, 8 cm, minor carb, tr py; 288 - 289' wht granular, qtz, irreg low angle to core, tr py	331837	84.61	85.28	0.67	0.007
			331838	85.28	86.32	1.04	0.023
			331839	86.32	86.93	0.61	0.021
			331840	86.93	87.72	0.79	0.039
			331841	87.72	88.54	0.82	0.005
88.70	89.09	**10qc** ***Quartz-carbonate Vein*** x-cut @ 043, wht med gr qtz, minor carb at lower ct, minor py + po, chl ss at lower ct, mostly "clean" wht qtz	331842	88.54	89.61	1.07	0.008
89.09	92.51	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz vein @ 297.5', 7 cm, boudinaged, minor po	331843	89.61	90.56	0.95	0.009
			346599	90.56	91.10	0.54	0.006
			346600	91.10	92.08	0.98	0.006
			346601	92.08	92.66	0.58	0.007

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
92.51	92.54	**10qc** ***Quartz-carbonate Vein*** x-cut @ 015, 2.5 cm, irreg, wht med gr qtz, minor carb, minor po, tr cpy, tr bornite? (bluish grey metal)					
92.54	102.26	**1** ***Mafic to Intermediate Volcanics (undif*** 309.9' grey gran conform sil zone, 10 cm; Qtz/carb vein @ 318.0', x-cut?, 5 mm, minor py/po, tr cpy, chl incl along fol, sharp cts; Carb vein @ 300.6', x-cut @ 018 against fol, f gr gran carb, minor f gr py	331846	95.71	96.96	1.25	0.024
			331847	96.96	98.08	1.12	0.010
			331848	98.08	99.03	0.95	0.020
			331849	99.03	100.28	1.25	0.022
			331851	100.28	101.22	0.94	0.025
			346603	101.22	101.99	0.77	0.015
			346602	92.66	93.54	0.88	0.010
			331844	93.54	94.70	1.16	0.022
			331845	94.70	95.71	1.01	0.006
102.26	102.32	**10qc** ***Quartz-carbonate Vein*** appears conform, 6 cm, wht med gr qtz, abundant wall incl, minor po/py, patches of epidote and chl	346604	101.99	102.60	0.61	0.013
102.32	103.51	**1** ***Mafic to Intermediate Volcanics (undif*** change from weak fol to massive tex to mod fol rock; 336.5 - 339' 3 qtz veins ~5 - 10 mm, x-cutting, f gr gran, minor po + chl	346605	102.60	103.57	0.97	0.003

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
103.51	103.94	**11s** ***Shear Zone*** well fol, bio rich shear zone?, well silicified, brecciated stringers					
103.94	104.64	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	331852	103.57	104.52	0.95	0.009
104.64	104.82	**11s** ***Shear Zone*** as above (339.6')					
104.82	106.98	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	331853	104.52	105.55	1.03	0.014
			331854	105.55	106.68	1.13	0.011

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
106.98	107.29	**11s** ***Shear Zone*** as above (339.6')	331855	106.68	107.90	1.22	0.008
107.29	118.54	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz vein @ 360.1', x-cut @ 080, 1 cm, minor carb, med gr qtz, minor po/py; Qtz vein @362.1', x-cut, 5 mm, minor carb, minor po; Qtz vein @ 363.1', x-cut, 5 mm, minor po; 380.4 - 381.1' patchy silicic zone; 382.7 - 383.4' patchy silicic zone	331856	107.90	108.87	0.97	0.003
			331857	108.87	109.64	0.77	0.003
			346606	109.64	110.34	0.70	0.003
			346607	110.34	111.04	0.70	0.003
			331858	111.04	112.32	1.28	0.003
			331859	112.32	113.23	0.91	0.003
			331860	113.23	114.45	1.22	0.003
			331861	114.45	115.55	1.10	0.008
			331862	115.55	116.80	1.25	0.007
			331863	116.80	117.56	0.76	0.008
			346608	117.59	118.41	0.82	0.007
118.54	118.57	**10qc** ***Quartz-carbonate Vein*** x-cut @ 070, 5 cm, wht c gr qtz, minor carb, irreg, minor c gr py, cpy, po, chl incl, wall rock at lower ct has enriched fg po ~5%, well silicified around vein	346609	118.41	118.72	0.31	0.013

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Hole Number **86-24** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
118.57	123.72	**1** ***Mafic to Intermediate Volcanics (undif***	346610	118.72	119.33	0.61	0.012
		well carbonatized and silicified 389 - 391', unit becomes massive to weakly fol, v fg dark grn; grey gran conform sil zone @ 401.5 - 402.0'	331864	119.33	120.09	0.76	0.003
			331865	120.09	121.31	1.22	0.003
			331866	121.31	122.22	0.91	0.003
			331867	122.22	123.14	0.92	0.005
			346611	123.14	123.69	0.55	0.005
123.72	124.36	**10qc** ***Quartz-carbonate Vein***	346612	123.69	124.85	1.16	0.005
		x-cut, wht med gr qtz, tr blebs po, tr frac fill films at cts, minor carb, cpy + py					
124.36	126.10	**1** ***Mafic to Intermediate Volcanics (undif***	346613	124.85	125.58	0.73	0.020
		poor to moderate carbonatization to 444'	346614	125.58	126.19	0.61	0.045
126.10	126.13	**10qc** ***Quartz-carbonate Vein***					
		x-cut @ 080, 1.5 cm, c gr po/py, tr cpy, sharp cts					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
126.13	133.90	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 419.2', x-cut @ 085, 1 cm, minor carb + po; Qtz/carb vein @ 422.3', x-cut @ 020 against fol, 1 cm, irreg, sharp cts, minor carb + po; 426.7 - 427.5' boudinaged qtz vein, wht - grey qtz, minor carb, + po/py; grey gran conform sil zone @ 427	331868	126.19	127.04	0.85	0.010
			346615	127.04	127.62	0.58	0.033
			346617	127.62	127.92	0.30	0.015
			346618	127.92	128.53	0.61	0.203
			346619	128.53	129.08	0.55	0.095
			331869	129.08	130.03	0.95	0.187
			346620	130.03	130.48	0.45	0.016
			346621	130.48	131.55	1.07	0.008
			346622	131.55	131.86	0.31	0.014
			346623	131.86	132.65	0.79	0.016
			331870	132.65	133.87	1.22	0.013
133.90	134.63	**1** ***Mafic to Intermediate Volcanics (undif*** chaotic zone, wall rock with wht granular qtz, f gr dissem po, with 2 mm seam of med gr po @ 045 against fol, tr galena? (silvery grey cubic cleavage); highly siliceous 440 - 441.7'	346624	133.87	134.42	0.55	0.013
134.63	139.17	**1** ***Mafic to Intermediate Volcanics (undif*** 441.7 - 442.2' grey gran conform sil zone with enriched bio + po, well fol; Qtz/carb vein @ 446.6', x-cut, 1 cm, minor carb, minor c gr po, minor py, tr cpy; grey gran sil zones at 450.4', 10 cm, and 451.5', 13 cm; rock becomes v poorly carbonatized at 44	346625	134.42	135.33	0.91	0.013
			331871	135.33	136.40	1.07	0.003
			331872	136.40	137.62	1.22	0.011
			331873	137.62	138.71	1.09	0.082
139.17	139.29	**11f** ***Fault Zone***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		badly fractured core pcs showing multiple ss @ 055, no mineralization, no sense of displacement					
139.29	141.00	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	331874	138.71	139.99	1.28	0.040
			331876	139.99	141.24	1.25	0.062
141.00	141.09	**11f** ***Fault Zone*** badly frac as above (456.6'), ss @ 055, no mineralization					
141.09	152.40	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 478.3', x-cut @ 020, 1 cm, minor granular qtz, minor po; 487.7' as above (478.3'), 490.5' grey gran sil zone 5 cm; 493.5' grey gran sil zone with minor f gr po and small vug of euhedral qtz; EOH @ 500'	331877	141.24	142.10	0.86	0.040
			331878	142.10	143.01	0.91	0.030
			331879	143.01	144.11	1.10	0.042
			331880	144.11	145.08	0.97	0.003
			331881	145.08	146.09	1.01	0.003
			331882	146.09	147.34	1.25	0.010
			331883	147.34	148.65	1.31	0.028
			331884	148.65	149.81	1.16	0.024
			331885	149.81	150.82	1.01	0.010

LITHOLOGY REPORT
- Detailed -

Hole Number **86-24** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			331886	150.82	152.40	1.58	0.003

DRILL HOLE REPORT

Hole Number **86-25** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -50
Length: 152.4
Started:
Completed:
Logged: 12-Nov-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -Some reconstructed core in various boxes. All fits well together down to 291.2' (no sampling 288.8 - 291.6'). After this point split core pcs cannot be reconstructed with confidence until down to 304'

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298155.65
North: 4947339.12
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-50.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-25** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	2.13	**1** ***Mafic to Intermediate Volcanics (undif*** Overburden					
2.13	12.13	**2** ***Meta-Pelitic Sediments (undifferentiat*** light to dk grey, f gr, well fol/banded (045) sericite rich phyllitic schist, v thin alternating lt and dk layers, soft, not greasy, tr fg - vfg sulph mainly po/py; Qtz vein @ 34.0', x-cut, 2 cm, f gr tr po; Carb/po vein @ 35.1', x-cut, 5 mm, tr py					
12.13	12.28	**10q** ***Quartz Vein*** upper ct sharp & conform, f - med gr wht qtz, no carb, minor c gr po, tr cpy, lower ct x-cut					
12.28	16.67	**2** ***Meta-Pelitic Sediments (undifferentiat*** 45.6' 2.5 cm zone gran grey qtz with dissem po 2 - 5%, conform, sharp cts; Qtz vein @ 50.9', appears conform, f - med gr qtz, med gr muscovite, c gr po blebs throughout, tr carb;; Qtz vein @ 51.6 - 52.7' wht med gr qtz, minor carb, minor muscovite, tr blades of specular hematite (or galena cleavage?), minor c gr po; Qtz vein @ 53 - 53.8', cts? (missing pcs), f gr wht qtz, NVS					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-25** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
16.67	16.86	**10q** ***Quartz Vein*** x-cut?, wht f gr qtz, tr po					
16.86	29.02	**2** ***Meta-Pelitic Sediments (undifferentiat*** from 77' onwards shows increased sulph content (~2 - 3 %) with blebs up to 0.5 - 1.0 cm of po carrying py + py cubes (sub mm), tr cpy along fol @ 045					
29.02	29.20	**10qc** ***Quartz-carbonate Vein*** x-cut?(missing pcs), wht f gr qtz, minor carb, minor po/py					
29.20	39.53	**2** ***Meta-Pelitic Sediments (undifferentiat*** ~107' becomes chl rich qtz/sericite schist; red/brown garnet appears in chl schist @ 114', peaks in content (~15%) at 119 - 120', disappears at 129';					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-25** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
39.53	49.68	**1** ***Mafic to Intermediate Volcanics (undif*** unit starts with grey granular siliceous zone (contact zone) with wall + chl incl along fol, minor carb, po + py; shear zone 130 - 131' with pinch & swell qtzite and chl wall frags, boudinaged qtz & carb with blebs of po + py, well fol; 131.7' - 6 cm zone of soft friable chl schist (fissile and clay-like); mod to strong carbonatization					
49.68	49.99	**11s** ***Shear Zone*** well fol, v fg bio rich zone					
49.99	50.47	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz vein @ 165.4', conform?, 10 cm, wht fg gran qtz, sharp cts, tr py frac fill films	346626	49.68	50.32	0.64	0.014
50.47	50.57	**11s** ***Shear Zone*** dk brn /grey bio rich silicified zone, no carb reaction, well fol, fine qtz frags	346627	50.32	50.63	0.31	0.281

LITHOLOGY REPORT
- Detailed -

Hole Number **86-25** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
50.57	53.07	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	346628	50.63	51.27	0.64	0.007
53.07	53.95	**1** ***Mafic to Intermediate Volcanics (undif*** grey gran siliceous zone shows minor brecciation, , minor carb + py; well carbonatized to 177'					
53.95	54.77	**1** ***Mafic to Intermediate Volcanics (undif*** poorly carbonatized					
54.77	55.38	**11f** ***Fault Zone*** broken core, some ground core, no mineralization, no sense of displacement; poor carbonatization					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-25** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
55.38	56.54	**1** ***Mafic to Intermediate Volcanics (undif***	346629	56.39	56.69	0.30	0.006
		Metavolcanics					
56.54	56.69	**11f** ***Fault Zone***					
		broken core, no mineralization; 1 cm vein of qtz/carb, v irreg cts, c gr cal + py, c gr qtz, euhedral py (pyritohedrons up to 3 mm), chl incl					
56.69	57.00	**LC** ***Lost Core***					
		No record					
57.00	57.12	**11f** ***Fault Zone***					
		broken core, no mineralization					
57.12	57.67	**1** ***Mafic to Intermediate Volcanics (undif***					

Hole Number **86-25** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		Metavolcanics					
57.67	58.13	**11f** ***Fault Zone***	346630	57.67	57.97	0.30	0.005
		fault gouge of reddish brn clay with angular frags of gs, 1 cm long dogtooth cal, qtz and carb frags; Qtz/carb vein upp ct truncated by fault, lower ct?, f gr wht to grey qtz, minor py frac fill, fg dissem po					
58.13	61.87	**11s** ***Shear Zone***	346631	57.97	58.83	0.86	0.028
		qtz frags along fol; 194 - 194.7' wht fg gran qtz zone, conform, tr sulph	346632	61.51	62.18	0.67	0.027
61.87	71.93	**1** ***Mafic to Intermediate Volcanics (undif***	346633	62.18	62.48	0.30	0.058
		204.5' grey gran sil zone, 5 cm, tr py, 219' Qtz vein, conform, 2.5 cm, sharp cts, minor carb, NVS	346634	62.48	63.40	0.92	0.028
71.93	71.96	**10qc** ***Quartz-carbonate Vein***					
		x-cut @ 085, 2.5 cm, irreg cts, wht med gr qtz, NVS					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-25** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
71.96	88.27	**1** ***Mafic to Intermediate Volcanics (undif*** 238 - 256' abundant stringers of qtz/minor carb; Qtz vein @ 240.1', conform, wht f gr qtz, sharp cts, NVS; Qtz/carb vein @ 253.4', conform?, minor carb + po; grey gran sil zone @ 261.0', 10 cm	346635	76.14	77.11	0.97	0.003
			346636	77.11	77.42	0.31	10.694
			346637	77.42	78.09	0.67	0.033
88.27	91.78	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 289.6', x-cut @ 080, 8 cm, v difuse cts, NVS; Qtz/carb vein @ 290.5', x-cut, 3.5 cm, similar to 289.6'; Qtz/carb vein @ 290.8', x-cut, 2 cm, similar to 289.6'; 294.0 - 294.8' grey gran sil zone conform, minor po/py, tr cpy, minor carb frac fill with minor py cubes, chl and wall incl; 298.4 - 296.6' diffuse change to wht granular qtz with f gr dissem po + py, tr cpy, chl incl	346638	87.78	88.76	0.98	0.005
			346639	88.76	89.67	0.91	0.003
			346640	89.67	90.43	0.76	0.029
			346641	90.43	91.20	0.77	0.069
			346643	91.20	91.84	0.64	0.040
91.78	92.17	**10qc** ***Quartz-carbonate Vein*** x-cut @ 085, sharp cts, wht med gr qtz, minor carb, minor po/py, tr cpy, py cubes up to 1 mm, tr py/cpy frac fill films	346644	91.84	92.35	0.51	5.336

LITHOLOGY REPORT
- Detailed -

Hole Number **86-25** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
92.17	92.48	**1** ***Mafic to Intermediate Volcanics (undif*** grey gran sil zone 302.4', 10 cm, NVS					
92.48	92.51	**10qc** ***Quartz-carbonate Vein*** x-cut @080, 2.5 cm, grey f gr qtz, ragged cts, minor carb, minor dissem po					
92.51	93.67	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	346645	92.35	93.21	0.86	0.439
93.67	93.70	**10qc** ***Quartz-carbonate Vein*** x-cut, irreg, 2 mm, minor py + po	346646	93.21	94.15	0.94	0.188

LITHOLOGY REPORT
- Detailed -

Hole Number **86-25** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
93.70	98.79	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz vein @ 311.6', 1.5 cm, conform?, wht med gr qtz, NVS (missing pcs); Qtz/carb vein @ 316.3', 3 cm, conform, ~@040, med gr cal + qtz, chl + wall incl, tr sulph	346647	94.15	94.95	0.80	0.134
			346648	94.95	95.68	0.73	0.015
			346649	96.32	96.74	0.42	0.129
			346650	96.74	97.69	0.95	0.045
			346651	97.69	98.76	1.07	0.190
98.79	98.82	**10qc** ***Quartz-carbonate Vein*** x-cut @ 070, 5 cm, med gr qtz, chl incl, minor py/po					
98.82	99.61	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	346652	98.76	99.06	0.30	0.150
			346653	99.06	99.58	0.52	0.024
99.61	100.07	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, wht med gr qtz, c gr carb at lower ct, minor po, chl incl, tr tour near upper ct	346654	99.58	100.13	0.55	0.010

LITHOLOGY REPORT
- Detailed -

Hole Number **86-25** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
100.07	101.89	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	346655	100.13	100.89	0.76	0.062
			346656	100.89	101.80	0.91	0.185
101.89	101.93	**10qc** ***Quartz-carbonate Vein*** x-cut?, 1.5 cm, f gr qtz, tr carb, minor po tr py chl incl					
101.93	112.56	**1** ***Mafic to Intermediate Volcanics (undif*** 354.5 - 364.7' zone of numerous siliceous layers, chl rich zones, cts diffuse, rare py seams	346657	101.80	102.11	0.31	0.275
			346658	102.11	103.11	1.00	0.091
			346659	103.17	104.24	1.07	0.040
			346660	104.24	104.85	0.61	0.005
			346661	104.85	105.92	1.07	0.009
			346662	105.92	106.74	0.82	0.010
			346663	106.74	107.44	0.70	0.119
			346664	107.44	108.84	1.40	0.197
			346665	108.84	110.43	1.59	0.179
			346667	110.43	111.56	1.13	0.152
			346668	111.56	112.41	0.85	0.752
112.56	112.65	**10qc** ***Quartz-carbonate Vein*** x-cut, 8 cm, abundant chl and wall rock incl, minor py	346669	112.41	112.72	0.31	0.469

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
112.65	117.41	**1** ***Mafic to Intermediate Volcanics (undif*** Calcite/py vein @ 376.2', bearing ~015, 5 cm, minor med gr py + po, chl seam	346670	112.72	113.78	1.06	0.688
			346671	113.78	114.94	1.16	0.869
			346672	114.94	116.19	1.25	0.619
			346673	116.19	117.13	0.94	0.346
			346674	117.13	117.44	0.31	5.128
117.41	117.56	**10qc** ***Quartz-carbonate Vein*** x-cut @ 075-080, 3.5 cm, med gr qtz, minor carb, lg blebs py, tr po					
117.56	128.66	**1** ***Mafic to Intermediate Volcanics (undif*** unit has dk grey, interlocking ign tex with weak fol, appears as a diorite to about 404'; carbonatization v weak to 409' when it increases to strong to moderate; minor shear zone @ 397.3', 5 cm, conform @ 048, well fol, chl + bio rich, grains of qtz + carb, minor po	346675	117.44	118.32	0.88	0.871
			346676	126.49	127.71	1.22	0.538
			346677	127.71	128.47	0.76	0.396
			346678	128.47	128.78	0.31	0.296
128.66	128.75	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, 9 cm, wht c gr qtz, minor carb at cts, minor med gr po, v minor po + py frac fill films					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-25** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
128.75	129.36	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	346679	128.78	129.36	0.58	0.152
129.36	129.69	**10qc** ***Quartz-carbonate Vein*** x-cut @ 065, wht med gr qtz, minor py at cts, v minor frac fill films, possible vg speck	346680	129.36	129.66	0.30	1.626
129.69	134.51	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	346681	129.66	130.91	1.25	0.127
			346682	133.62	134.63	1.01	0.281
134.51	134.54	**10qc** ***Quartz-carbonate Vein*** x-cut @ 075, 2.5 cm, c gr wht qtz, minor po/py, tr cpy					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-25** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
134.54	148.13	**1** ***Mafic to Intermediate Volcanics (undif*** carbonatization drops to poor to none at 444' to ~ 470'; 463.5 - 466.6' several thin veinlets (1 - 5 mm) @ 015, qtz/carb/po minor py	346683	134.63	134.93	0.30	0.093
			346684	134.93	135.33	0.40	0.261
			346685	135.33	136.31	0.98	0.168
			346686	141.27	142.59	1.32	0.023
			346687	147.16	148.04	0.88	0.019
148.13	148.32	**10qc** ***Quartz-carbonate Vein*** x-cut @ 070, wht med - c gr qtz, minor chl incl, tr fg po, minor tour, minor carb at upper ct	346688	148.04	148.35	0.31	0.391
148.32	148.56	**1** ***Mafic to Intermediate Volcanics (undif*** rock mod to well carbonatized	346689	148.35	148.68	0.33	0.008
148.56	148.59	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, med - c gr wht qtz, tr fg py, lower ct seam of c gr po + cpy, specks of bornite?, bio rich cts					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-25** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
148.59	149.72	**1** ***Mafic to Intermediate Volcanics (undif*** Carb/py seam @ 490.9' @ 090, minor po	346690	148.68	149.66	0.98	0.007
149.72	149.75	**10qc** ***Quartz-carbonate Vein*** x-cut, wht med gr qtz, sharp cts, chl incl, minor po, bio/chl rich cts, tr cpy					
149.75	152.40	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz vein @ 495.5', x-cut @ 045, sharp cts, 1 cm, carb seam along upp ct, minor py; EOH @ 500'	346692	149.66	149.96	0.30	0.007
			346693	149.96	150.85	0.89	0.020
			346694	150.85	151.15	0.30	0.003
			346695	151.15	151.91	0.76	0.019

DRILL HOLE REPORT

Hole Number **86-26** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -70
Length: 152.4
Started:
Completed:
Logged: 13-Nov-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -Re-logged in 2013 by J.F. and in 2016 by C.F.

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298155.65
North: 4947339.12
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-70.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-26** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology		Sample #	From	To	Length	Au (g/t)
0.00	1.83	**Ovb**	***Overburden***					
		Overburden						
1.83	9.14	**2**	***Meta-Pelitic Sediments (undifferentiat***					
		grey, f gr phyllitic metasediments, well fol @ 042, minor seritic and chl rich bands/layers, fg - vfg dissem po minor py along fol ~1 - 2%; sericite rich band @ 22.2', 7 cm, NVS						
9.14	9.45	**10qc**	***Quartz-carbonate Vein***					
		upp ct conform @040, lower ct @ 050, wht fgr qtz, minor carb, minor c gr blebs of po, minor py						
9.45	12.68	**2**	***Meta-Pelitic Sediments (undifferentiat***					
		c gr blebs of po/py conform @ 38.0'						
12.68	12.98	**10qc**	***Quartz-carbonate Vein***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		conform, f gr qtz, minor carb, carb/py frac fill					
12.98	26.79	**2** ***Meta-Pelitic Sediments (undifferentiat*** grey gran qtz sil zone conform @ 44.0', 7 cm, 45.3' - sericite zone, minoe dissem py, 10 cm; Qtz vein @ 60.7', conform, 1 cm, minor po + py; Qtz vein @ 63.4', conform, boudinaged vein, fg qtz, 2.5 cm, minor py; at 60' sulph increase to 5% and continue to increase to 15% by 70', bio increases at 65' becoming heavy at 70' continuing till 87'					
26.79	31.09	**2** ***Meta-Pelitic Sediments (undifferentiat*** v fg red brown gt occurs in horizons or layers, chl rich, bio rich, contorted or folded layers					
31.09	33.22	**2** ***Meta-Pelitic Sediments (undifferentiat*** chlorite schist, dense, v fg, occ ss surfaces, occ stringers 2 - 10 mm of qtz and carb, well fol but not mylonized					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-26** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
33.22	35.51	**2** ***Meta-Pelitic Sediments (undifferentiat*** chlorite schist, v fg po and blebs of po (~ 5 - 10%) giving core rusty look ~110.5 - 116'					
35.51	36.27	**11s** ***Shear Zone*** well fol, blk f gr bio schist, heavy po, py, cpy along fol @ 033, deformation zone, folded beds, sm scale "S" folds					
36.27	41.03	**2** ***Meta-Pelitic Sediments (undifferentiat*** chlorite schist; Qtz vein @ 120.9', conform, 10 cm, f gr qtz, minor carb, brecciated chl frags, along ct, chl incl, minor med gr po blebs					
41.03	41.12	**11f** ***Fault Zone*** 10 cm zone, @ 050, calcite and py, f - c gr py, bio/chl incl, well fol with heavy bio + chl cts					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-26** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
41.12	42.34	**2** ***Meta-Pelitic Sediments (undifferentiat*** Qtz/carb vein @ 137.7 - 138.9', conform, f - med gr qtz, c gr carb, minor po, ss on lower ct, well fol + fissile above upper ct					
42.34	53.64	**1** ***Mafic to Intermediate Volcanics (undif*** med grn, f gr gs, mod fol @ 040, moderate pervasive carbonatization to 266'; grey gran sil zone @ 151.5 - 152.0'; grey gran sil zone slightly brecciated, conform, pinch & swell, abundant wall rock incl, minor carb, blebs of po; Calcite filled fracture @ 173', subparallel to core, 2 - 2.5 cm, truncated by qtz/carb, numerous wall rock incl, minor po/py;	346696	52.73	53.34	0.61	0.452
53.64	53.98	**10qc** ***Quartz-carbonate Vein*** conform, med to f gr granular, minor carb, tr py frac fill film					
53.98	60.72	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 179.8', conform, 2.5 cm, wht f gr qtz, minor carb + chl incl; Qtz/carb vein @ 191.7', x-cut, 1 cm, f - med gr qtz, minor carb along cts, tr po, irreg	346697	60.59	60.66	0.07	2.516

LITHOLOGY REPORT
- Detailed -

Hole Number **86-26** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
60.72	60.75	**10qc** ***Quartz-carbonate Vein*** x-cut slightly, 4 cm, wht med gr qtz, blebs of med gr po + cpy, minor py					
60.75	60.90	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
60.90	61.26	**10qc** ***Quartz-carbonate Vein*** conform?, wht med gr qtz, minor carb, minor po/py, cpy, tr euhedral py (sub mm)	346698	60.66	61.33	0.67	6.346
61.26	62.97	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz vein @ 203.7', 2 cm, sharp cts, conform, f gr wht qtz, NVS					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
62.97	63.15	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, wht med gr qtz, v minor f gr py frac fill films + tr sub mm cubes (pcs missing - no cts seen here)	346699	62.94	63.25	0.31	0.862
63.15	63.61	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	346700	63.46	63.76	0.30	0.026
63.61	63.64	**10qc** ***Quartz-carbonate Vein*** x-cut @ 050, 2.5 cm, med - c gr qtz, minor carb, tr f gr po + cpy on lower ct					
63.64	69.16	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz vein @ 212.3', conform, grey/wht gran qtz, tr carb, minor po at cts; qtz vein @ 213.6', generally conform, "S" fold, 1 cm, wht fg qtz, minor carb, minor blebs po. py, tr cpy	346701	63.76	64.62	0.86	0.010
			346702	68.73	69.31	0.58	0.020

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
69.16	69.19	**10qc** ***Quartz-carbonate Vein*** x-cutting @ 057, 1 cm, wht fg qtz, minor carb, minor blebs po, irreg					
69.19	73.46	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
73.46	73.49	**10qc** ***Quartz-carbonate Vein*** gen conform, "S" fold, 1 cm, f gr, minor po; fol subparallel					
73.49	80.74	**1** ***Mafic to Intermediate Volcanics (undif*** between 262.1 - 263.0' - 6 thin (upto 1 mm), conform to x-cutting veinlets, v irreg, contorted, blebs of fg po + py; qtz/carb vein @ 263.5', conform?, ragged cts, wht med gr qtz, c gr carb, f - c gr blebs of f gr po + py					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
80.74	81.29	**10qc** ***Quartz-carbonate Vein*** x-cut, wht fg qtz, minor carb, minor po + cpy at upper ct, minor py frac fill films, rare sub mm cubes, lower ct c g qtz, po + cpy, tr bornite?	346703	80.71	81.47	0.76	0.063
81.29	81.44	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 267.1', conform?, 3 cm, sheared vein, minor po/py;					
81.44	82.30	**11s** ***Shear Zone*** well fol, alt lt & dk thin layers, well carbonatized & bio rich; Qtz vein @ 268.9', 1 cm, wht fg qtz, minor carb, tr py					
82.30	84.58	**1** ***Mafic to Intermediate Volcanics (undif*** grey gran conform sil zone @ 273.6', 7 cm	346704	83.39	84.43	1.04	0.038

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
84.58	84.61	**10qc** ***Quartz-carbonate Vein***	346705	84.43	84.73	0.30	0.026
		x-cut?, med gr qtz, minor carb, f - cg py, minor po, vuggy 1 - 3 mm diam					
84.61	86.26	**1** ***Mafic to Intermediate Volcanics (undif***	346706	84.73	85.65	0.92	0.107
		at ~282' sericite content elevated producing light grey colour, continues to ~285'					
86.26	86.32	**10qc** ***Quartz-carbonate Vein***					
		x-cut? (missing ct pcs), 6 cm, wht med gr qtz, minor dissem py, rare sub mm cubes, tr cpy, c gr carb, tr bluish grey metal ?					
86.32	86.41	**1** ***Mafic to Intermediate Volcanics (undif***					
		Metavolcanics					
86.41	86.44	**10qc** ***Quartz-carbonate Vein***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		x-cut @ 075 - 080, 5 cm, v irreg, cg qtz, f - cg py, cpy, cg carb					
86.44	86.87	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
86.87	87.02	**10qc** ***Quartz-carbonate Vein*** x-cut @ 070 (ct pcs not here) , wht med gr qtz, King's log reports suspected lost core (~2") and vg - no vg seen here, minor carb, minor blebs of fg py	346707	86.81	87.11	0.30	5.320
87.02	100.07	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 286.6', 3 - 10 mm, x-cut, f gr, irreg, minor fg dissem po; Qtz/carb vein @306.2', conform, 8 mm, fg, minor cg po; between 306 - 307.6' unit has massive look of diorite with elevated sulph (vfg dissem po ~2%) giving slight rusty weathering, Qtz/carb vein @ 315.2', conform, 6 mm, NVS; qtz/carb veiun @ 319.2', conform, 2.5 cm, NVS	346708 346709	92.42 93.18	93.18 93.48	0.76 0.30	0.036 0.030

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
100.07	100.10	**10qc** ***Quartz-carbonate Vein*** x-cut, irreg, 2.5 cm, wht fg qtz, NVS					
100.10	106.25	**1** ***Mafic to Intermediate Volcanics (undif*** grey gran conform sil zone @ 329.4', 5 cm; Qtz/carb vein @ 331.7', conform, 5 mm, wht fg qtz, NVS; Qtz/carb vein @ 332.1', conform, 3.5 cm, wht fg qtz, NVS; Qtz/carb vein @ 347.2', conform, 1 cm, wht fg qtz, minor chl incl, minor fg py					
106.25	106.28	**10qc** ***Quartz-carbonate Vein*** x-cut, 2.5 cm, wht fg qtz, tr sulph					
106.28	113.08	**1** ***Mafic to Intermediate Volcanics (undif*** qtz/carb vein @ 351.9', x-cut, irreg, 5 mm, NVS; 359 - 360' Qtz/carb zone, wavy, NVS; 361.5' about 3 cm zone with cg subhedral mgt; 362.4' as with 361.5'; 362.5' grey gran sil zone, 5 cm; 366.1' grey gran zone as above, 5 cm; 367.5' grey gran zone as above, 12 cm; Qtz/carb vein @ 368.6', slightly x-cut @ 080, 2.5 cm, chl incl, NVS; Qtz/carb vein @ 369.5', x-cut @ 080, 15 cm, wht med gr qtz,wall + chl incl, tr dissem vfg py + po	346710	112.29	113.32	1.03	0.151

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
113.08	113.26	**10qc** ***Quartz-carbonate Vein*** x-cut, 10 cm, wht med - cg qtz, med - cg py, vuggy qtz, cg po, minor carb					
113.26	128.32	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 376.7', slightly x-cut, 2.5 cm, sharp, NVS; grey gran conform sil zone, abundant fg epidote, NVS; Qtz/carb vein @ 390.7', x-cut, 5 mm, fg, tr sulph; grey gran sil zone @ 396.2', 10 cm, followed by several 5 mm thick similar zones with bio rich gs between them down to 397.2', NVS; 396 - 401' several thin irreg veins/stringers (shearing?); Qtz/carb vein @ 402.8', boudinaged, pinch & swell, wht fg qtz, tr sulph; Vein frag @ 403.3', wht fg qtz, f-mg carb frag, irreg, tr sulph; increased bio content; Qtz/carb vein @ 413.5', conform?, 1 cm, med gr qtz, chl incl, tr sulph; Qtz/carb vein @413.5', conform?, 2.5 cm, wht fg qtz, blebs of po along lower ct, tr cpy; Qtz/carb vein @ 419.1', x-cut, 5 mm, fg qtz, minor po tr py, chl	346711 346712 346713	113.32 122.53 125.88	114.15 122.83 126.58	0.83 0.30 0.70	0.026 0.031 0.491
128.32	128.60	**10qc** ***Quartz-carbonate Vein*** x-cut? (missing pcs), wht mg qtz, minor blebs of po at cts, minor py	346714	128.32	128.66	0.34	19.040

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
128.60	133.81	**1** ***Mafic to Intermediate Volcanics (undif***	346716	128.66	129.33	0.67	0.088
		Metavolcanics	346717	132.98	133.65	0.67	9.901
			346718	133.65	133.96	0.31	0.104
133.81	133.84	**10qc** ***Quartz-carbonate Vein***					
		x-cut, 2.5 cm, SM cg po with cg carb at cts, minor py + cpy; elevated po/py in bio rich rock ~ 10 cm above and below vein, well fol					
133.84	140.21	**1** ***Mafic to Intermediate Volcanics (undif***	346719	133.96	134.57	0.61	0.090
		v low carbonatization in patchy zones; fol @ 055					
140.21	140.24	**10qc** ***Quartz-carbonate Vein***					
		Metavolcanics					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
140.24	141.37	**1** ***Mafic to Intermediate Volcanics (undif***	346720	140.09	140.51	0.42	0.146
		cg frags of boudinaged qtz/carb vein @ 462.3', conform, wht med gr qtz, minor po/py	346721	140.51	141.31	0.80	0.380
141.37	141.55	**10qc** ***Quartz-carbonate Vein***	346722	141.31	141.61	0.30	0.166
		x-cut, wht mg qtz, f-mg carb, minor po/py, v irreg, abundant chl incl, tr aspy?					
141.55	146.12	**1** ***Mafic to Intermediate Volcanics (undif***	346723	141.61	142.07	0.46	0.065
		470' start of numerous thin (5 - 10 mm) grey gran qtz zones, conform and diffuse; 478' - diffuse 10 cm zone of grey/grn qtz with vfg epidote, patchy & diffuse	346724	145.60	146.12	0.52	0.054
146.12	146.36	**10qc** ***Quartz-carbonate Vein***	346725	146.12	146.43	0.31	16.228
		x-cut slightly, wht mg qtz, minor py frac fill films & minor blebs po, tr py, 6 cm zone above shows thin po/py stringers and rare sub mm cubes py, zone below ~5% blebs of po minor py					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
146.36	151.12	**1** ***Mafic to Intermediate Volcanics (undif***	346726	146.43	147.19	0.76	0.040
		well silicified, diffuse grey gran sil zones through 484.7 - 484.9', diffuse cts, minor fg po; v low carbonatization	346727	150.82	151.24	0.42	0.045
151.12	151.15	**10qc** ***Quartz-carbonate Vein***					
		x-cut, 5 mm, med gr, minor po + py, cubes upto 2 mm, tr cpy					
151.15	152.40	**1** ***Mafic to Intermediate Volcanics (undif***	346728	151.24	152.31	1.07	0.028
		EOH @ 500'					

DRILL HOLE REPORT

Hole Number **86-27** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -44
Length: 97.54
Started:
Completed:
Logged: 14-Nov-16
Comment:

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298040.02
North: 4947467.04
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-44.00	C	☑	

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Hole Number **86-27** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	2.13	**Ovb** ***Overburden*** Overburden					
2.13	17.59	**2r** ***Rusty Schist*** lt - med grey, alternating bands of sericite rich and chl rich, well fol @ 041 phyllitic schist with f - mg dissem po + py along fol, weathers rusty; Qtz vein @ 9.9', x-cut, 3.5 cm, minor arb, minor po, tr py; Qtz vein @ 19.0', x-cut, 1 cm, grey mg qtz, minor po + py, cubes up to 1.5 mm; 22 - 30' sulph increase upto ~20% dissem blebs po, py, tr cpy; 39 - 44' sericite more coarse (recrystallized?)	331887	1.86	3.08	1.22	0.009
			331888	3.08	4.11	1.03	0.033
			331889	4.11	5.27	1.16	0.019
			331890	5.27	6.31	1.04	0.087
			331891	6.31	7.53	1.22	0.019
			331892	7.53	8.69	1.16	0.026
			331893	8.69	9.51	0.82	0.028
			331894	9.51	10.55	1.04	0.034
			331895	10.55	11.83	1.28	0.040
			331896	11.83	12.65	0.82	0.016
			331897	12.65	13.41	0.76	0.014
			331898	13.41	14.72	1.31	0.015
			331899	14.72	15.85	1.13	0.012
			331901	15.85	17.07	1.22	0.014
17.59	17.68	**10qc** ***Quartz-carbonate Vein*** x-cut @ 085, irreg cts, wht fg qtz, minor carb, minor po + cpy blebs	331902	17.07	18.29	1.22	0.006

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
17.68	21.03	**2r** ***Rusty Schist***	331903	18.29	19.35	1.06	0.015
		Qtz/carb vein @ 58.2', conform, 3 cm, wht cg qtz, abundant cg po; ~66' grades to chl schist, vfg, well fol, no longer rusty; 64 - 67' zone of elevated sulph, ~20% fg po minor py	346729	19.45	20.15	0.70	0.015
			346730	20.15	20.97	0.82	0.016
21.03	26.91	**1** ***Mafic to Intermediate Volcanics (undif***	331904	20.97	21.79	0.82	0.003
		well fol, fg dk grn greenstone with occ qtz/carb stringers, weak pervasive carbonatization, sulph content drops to tr py; Qtz/carb vein @ 79.2', conform, 2 cm, boudinaged, tr po, small frags through zone to ~85'; grey gran conform sil zone @ 84.8', 20 cm, minor dissem carb + sulph	331905	21.79	22.89	1.10	0.003
			331906	22.89	23.93	1.04	0.003
			331907	23.93	24.99	1.06	0.003
			346731	25.02	25.76	0.74	0.003
			346732	25.76	26.09	0.33	0.008
			346733	26.09	26.97	0.88	0.013
26.91	27.55	**10qc** ***Quartz-carbonate Vein***	346734	26.97	27.43	0.46	21.671
		x-cut @ 085, wht mg qtz, cg carb, sharp, minor py frac fill films, minor chl incl, tr po + cpy, py, tr aspy? Bio/chl rich cts, mostly "clean" wht qtz					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
27.55	42.37	**1** ***Mafic to Intermediate Volcanics (undif*** mod carbonatization, weak to mod fol; 107.2 - 111.2' strong silicification with minor py, cubes upto 1.5 mm, numerous grey granular sil zones	346735	27.43	27.92	0.49	0.967
			346736	27.92	28.65	0.73	0.029
			331908	28.65	29.78	1.13	0.025
			331909	29.78	30.88	1.10	0.233
			331910	30.88	32.16	1.28	0.003
			331911	32.16	33.22	1.06	0.003
			331912	33.22	34.35	1.13	0.008
			331913	34.35	35.57	1.22	0.003
			331914	35.57	36.88	1.31	0.003
			331915	36.88	38.04	1.16	0.003
			331916	38.04	39.29	1.25	0.003
			331917	39.29	40.51	1.22	0.003
			331918	40.51	41.70	1.19	0.003
			331919	41.70	42.89	1.19	0.003
42.37	43.28	**11s** ***Shear Zone*** well fol, highly chloritized, with numerous ss surfaces, numerous granular stringers					
43.28	48.65	**1** ***Mafic to Intermediate Volcanics (undif*** qtz vein @ 142.0', conform, 5 cm, fg qtz, tr py; well carbonatized to 174'	331920	42.89	43.89	1.00	0.003
			331921	43.89	44.96	1.07	0.010
			331922	44.96	45.87	0.91	0.003
			331923	45.87	46.82	0.95	0.003
			331924	46.82	47.37	0.55	0.003
			346737	47.37	48.25	0.88	0.031

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
48.65	48.77	**10qc** ***Quartz-carbonate Vein*** x-cut @ 070, 12 cm, sharp cts, wht cg qtz, minor carb, minor po	346738	48.55	48.86	0.31	2.410
48.77	62.97	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 161.9', x-cut @ 080, 1 cm, fg qtz/carb/po; 184 - 184.7' diffuse zone of silicification, conform, gradational, NVS, lower zone has diffuse patch of vfg epidote; fol @ 038; 189 - 191' - numerous ~3 mm x-cut veinlets @ 060, qtz/carb, tr po; Qtz/carb vein @ 196.3', x-cut @ 015, 3 mm, fg, NVS; wht/grey gran sil zone @ 198- 199'; fol increases;; Qtz vein @ 204.9', x-cut @ 080, 3mm, fg, folded vein, minor po; Qtz vein @ 206.0', x-cut, 8 cm, wht med gr qtz, minor carb, tr sulph	346739	48.86	49.38	0.52	0.365
			331925	49.38	50.14	0.76	0.011
			331927	50.14	51.33	1.19	0.003
			331928	51.33	52.55	1.22	0.026
			331929	52.55	53.77	1.22	0.068
			331930	53.77	55.47	1.70	0.013
			331931	55.47	56.51	1.04	0.012
			331932	56.51	57.39	0.88	0.006
			346741	57.39	58.34	0.95	0.003
			331933	58.34	59.77	1.43	0.003
			346742	59.77	60.35	0.58	0.003
			331934	60.35	61.30	0.95	0.021
			346743	61.30	62.03	0.73	0.097
			346744	62.03	62.76	0.73	0.131
62.97	63.31	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, wht mg qtz, chl incl, minor blebs of po + cpy, minor py frac fill films, rare sub mm cubes	346745	62.76	63.37	0.61	0.014

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
63.31	68.67	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 215.5', x-cut, 2.5 cm, v irreg, slight boudinage?, f-mg, chl incl, minor carb, minor blebs po, rare py cubes, tr cpy, possible vg speck	346746	63.37	64.10	0.73	0.003
			331935	64.10	65.53	1.43	0.003
			346747	65.53	66.08	0.55	5.975
			331936	66.08	67.03	0.95	0.003
			331937	67.03	68.00	0.97	0.003
			346748	68.00	68.64	0.64	0.009
68.67	68.85	**10qc** ***Quartz-carbonate Vein*** x-cut @ 075, wht mg qtz, fg carb, minor po + py frac fill films, chl incl, tour?	346749	68.64	68.95	0.31	0.012
68.85	72.79	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 227.3', x-cut, 1 cm, fg wht qtz, minor carb, NVS; poor carbonatization	346750	68.95	69.37	0.42	0.011
			331938	69.37	70.35	0.98	0.263
			331939	70.35	71.75	1.40	0.011
			331940	71.75	72.66	0.91	0.075
72.79	73.40	**11f** ***Fault Zone*** core rubble & angular frags, little cement (cal), little mineralization, no alteration, upp ct @ 033, fg cal cement wall frags and bio, lg blebs fg py, minor po					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
73.40	85.50	**1** ***Mafic to Intermediate Volcanics (undif*** grey gran sil zone @ 241.0', 15 cm, grey/wht fg qtz, abundant wall incl along fol; 272 - 275' numerous thin qtz stringers, minor carb stringers, mostly conform, minor po	331941	73.40	74.62	1.22	0.046
			331942	74.62	75.53	0.91	0.758
			331943	75.53	76.81	1.28	0.635
			331944	76.81	77.91	1.10	0.319
			331945	77.91	78.97	1.06	0.234
			331946	78.97	80.47	1.50	0.289
			331947	80.47	81.63	1.16	0.291
			331948	81.63	82.91	1.28	0.140
			331949	82.91	83.94	1.03	0.344
			331951	83.94	85.04	1.10	0.113
85.50	85.95	**10qc** ***Quartz-carbonate Vein*** conform?, fg wht/grey qtz, minor blebs po, minor py, fol vein material, rare py cubes, chl incl along fol (contact zone?)	331952	85.04	86.20	1.16	0.052
85.95	93.63	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 287.6', x-cut @ 018, 1 cm, wht mg qtz, carb at cts, minor blebs po/py, v irreg; Qtz/carb vein @ 288.0', as above (287.6'); Qtz/carb vein @ 294.3', conform?, 5 cm, wht mg qtz, minor blebs po	331953	86.20	87.48	1.28	0.013
			346751	87.48	88.09	0.61	0.046
			331954	88.09	88.70	0.61	0.003
			346752	88.70	89.55	0.85	0.041
			346753	89.55	89.86	0.31	0.003
			346754	89.86	90.53	0.67	0.014
			331955	90.53	91.53	1.00	0.006
			331956	91.53	92.63	1.10	0.006
			346755	92.63	93.51	0.88	0.008

LITHOLOGY REPORT
- Detailed -

Hole Number **86-27** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
93.63	93.70	**10qc** ***Quartz-carbonate Vein*** x-cut, 10 cm, wht mg qtz, minor cg carb, minor po, cpy + py, rare octahedra up to 2 mm					
93.70	94.00	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	346756	93.51	93.97	0.46	0.018
94.00	94.64	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, wht mg qtz, sharp cts, chl incl, minor blebs fg po/py, v minor py frac fill films, mostly "clean" wht qtz	346757	93.97	94.37	0.40	4.178
			346758	94.37	94.64	0.27	45.998
94.64	97.29	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	346759	94.64	95.62	0.98	0.022
			346760	95.62	97.14	1.52	0.017

LITHOLOGY REPORT
- Detailed -

Hole Number **86-27** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
97.29	97.38	**10qc** ***Quartz-carbonate Vein*** x-cut @ 060, wht mg qtz, minor carb, sharp cts, minor fg po	346761	97.14	97.54	0.40	0.058
97.38	97.54	**11s** ***Shear Zone*** well fol, bio rich, minor fg po along fol; EOH @ 320'					

DRILL HOLE REPORT

Hole Number **86-28** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 91.44
Started:
Completed:
Logged: 15-Nov-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -Dropped box?; core between 113 - 122' is non continuous and mixed; cannot be reliably reconstructed (mostly small split core pcs, some missing)
-Missing best recorded assay interval for this hole
-Overlapping intervals from 65.65-67.36m at the time of report. Pending data verification.

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298093.16
North: 4947297.82
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-28** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.52	**Ovb** ***Overburden*** rubbly down to 13', missing core ~7 - 8'					
1.52	1.65	**1** ***Mafic to Intermediate Volcanics (undif*** rusty schist, poor recovery					
1.65	2.74	**10q** ***Quartz Vein*** conform? (cts gone, some missing core), original core lists some ground core, rusty, wht fg qtz, tr fg py, tr fg po					
2.74	3.35	**11s** ***Shear Zone*** rusty, vfg well fol, sheared qtzite-sericite schist; poor recovery ~ 10 - 11'					
3.35	5.33	**11f** ***Fault Zone***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		bad core recovery, pcs show mylonitized greenstone, open cavity, breccia, fault gouge, cts @ ~030?					
5.33	6.92	**1** ***Mafic to Intermediate Volcanics (undif*** med - dk grn, fg, mod fol greenstone, poor carbonatization	331957	6.16	7.19	1.03	0.011
6.92	6.98	**10qc** ***Quartz-carbonate Vein*** x-cut @ 045 against fol, 7 cm, minor cg carb, sharp cts, minor muscovite, minor blebs po, tr py frac fill films					
6.98	21.58	**1** ***Mafic to Intermediate Volcanics (undif*** 32.9 - 31.6' multiple qtz stringers conform (silicification); 36.5 - 38.3' similar to 32.9' (wht gran sil zone with diffuse qtz vein); 43.0' wht/grey, granular sil zone, conform, 10 cm, well carbonatized, minor fg dissem po; 45.7' Qtz/carb vein, slightly boudinaged, conform, 2 cm, f - mg, minor po; 52 - 53' grey gran conform sil zone, tr sulph (contact zone?); 67 - 68' grey gran as above (52')	331958	7.19	8.23	1.04	0.009
			331959	8.23	9.33	1.10	0.003
			331960	9.33	10.30	0.97	0.003
			346762	10.30	11.19	0.89	0.003
			346763	11.19	11.64	0.45	0.011
			346764	11.64	12.41	0.77	0.007
			331961	12.41	13.47	1.06	0.003
			331962	13.47	14.57	1.10	0.003

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			331963	14.57	15.54	0.97	0.003
			346765	15.54	16.43	0.89	0.003
			346767	16.43	17.01	0.58	0.003
			346768	17.01	17.92	0.91	0.003
			346769	17.92	18.47	0.55	0.005
			346770	18.47	19.51	1.04	0.003
			346771	19.51	20.57	1.06	0.003
			346772	20.57	21.40	0.83	0.003
			346773	21.40	21.70	0.30	0.803
21.58	21.61	**10q** ***Quartz Vein*** x-cut @ 085, 2.5 cm, sharp cts, minor blebs po/py					
21.61	21.76	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
21.76	21.92	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, wht mg qtz, minor carb, chl incl, sharp cts, minor py frac fill films, tr aspy?, speck og vg at lower ct	346774	21.70	22.01	0.31	2.863

LITHOLOGY REPORT
- Detailed -

Hole Number **86-28** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
21.92	22.49	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	346775	22.01	22.77	0.76	0.016
22.49	22.56	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, wht cg qtz + carb, irreg, tr py					
22.56	23.68	**11s** ***Shear Zone*** well fol, chl rich zone, with boudinaged qtz/carb/po material ~ 76 - 76.9'; sheared grey granular sil zone ~77.1 - 77.6'	346776	22.77	23.50	0.73	2.032
23.68	23.71	**10qc** ***Quartz-carbonate Vein*** x-cut slightly, 5 - 8 mm, wht fg qtz, minor carb + po					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-28** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
23.71	23.74	**10qc** ***Quartz-carbonate Vein*** x-cut slightly, 5 mm, wht fg qtz, minor carb + po					
23.74	29.44	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 83.0', x-cut, 5 mm, wht fg qtz, NVS; 87.0' grey gran conform sil zone, 5 cm, minor carb; 91.8 - 92.0' boudinaged vein + pod, wht fg qtz + cal, minor po + cpy	346777	23.50	24.08	0.58	0.683
			346778	24.08	25.02	0.94	0.016
			346779	25.02	25.51	0.49	0.003
			331964	25.51	26.55	1.04	0.009
			331965	26.55	27.19	0.64	0.003
			346780	27.19	27.89	0.70	0.012
			346781	27.89	28.19	0.30	0.003
			346782	28.19	29.29	1.10	0.486
29.44	29.47	**10qc** ***Quartz-carbonate Vein*** conform?, 3 cm, wht mg qtz, minor carb + po wall incl, bio ss at cts	346783	29.29	29.60	0.31	5.794

LITHOLOGY REPORT
- Detailed -

Hole Number **86-28** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
29.47	34.44	**1** ***Mafic to Intermediate Volcanics (undif*** 99.8 - 100.7' - 2 Qtz /carb veins, 1 cm ea, v irreg, x-cutting @ 030 against fol, fg, NVS; Qtz/carb vein @ 102.2', 1 cm, conform, fg, boudinaged, tr fg po; Qtz/carb vein @ 102.8', conform, 1 cm, boudinaged, wht cal with minor fg qtz, bio + chl incl, NVS, frags to 103.8'; grey gran conform sil zone 104.8 - 105.5'; 111.8 - 113.4' as above (104.8');	346784	29.60	30.33	0.73	0.912
			346785	30.33	31.09	0.76	0.005
			346786	31.09	31.61	0.52	0.459
			346787	31.61	32.46	0.85	0.003
			346788	32.46	33.47	1.01	0.003
			346789	33.47	34.63	1.16	0.005
34.44	37.19	**LC** ***Lost Core*** dropped box?, many badly fractured pcs not in order, cannot confidently reconstruct core until 122'	346790	34.63	35.27	0.64	0.003
			346792	35.27	35.57	0.30	0.006
			346793	35.57	36.70	1.13	0.009
			346794	36.70	37.00	0.30	11.462
37.19	41.57	**1** ***Mafic to Intermediate Volcanics (undif*** mod fol @ 036, decreasing to massive tex by ~146'; mod carbonatized, decreasing to poor after 125'	346795	37.00	37.95	0.95	0.037
			346796	37.95	39.01	1.06	0.031
			331966	39.01	40.14	1.13	0.035
			331967	40.14	40.90	0.76	0.353
			346797	40.90	41.57	0.67	0.030
41.57	42.18	**10qc** ***Quartz-carbonate Vein*** wht/grey fg gran sil zone with irreg vein running through carrying wht fg qtz, minor carb, ragged cts, subparallel to core, wall incl, tr cg blebs cpy sil zone carries minor carb, bio, chl + wall incl, (minor shear?), minor po	346798	41.57	42.21	0.64	0.045

LITHOLOGY REPORT
- Detailed -

Hole Number **86-28** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
42.18	56.21	**1** ***Mafic to Intermediate Volcanics (undif*** 140.8 - 141.6' shows grey/wht gran conform sil zone as above (136.4'), with minor fg carb, tr po, minor cg laths of wht amph (tremolite?) up to 5 mm long, orientated along fol; 148.0' grey gran conform sil zone, 10 cm; Qtz/carb vein @ 166.0', conform, 5 cm, fg, tr po; brecciated sil zone 167 - 168', NVS; unit poorly carbonatized to ~170', well carbonatized 170 - 177', weak to none down to ~ 204', massive to weak fol	346799	42.21	43.28	1.07	0.003
			346800	43.28	43.89	0.61	0.013
			346801	43.89	44.78	0.89	0.006
			346802	44.78	46.02	1.24	0.003
			331968	46.02	47.30	1.28	0.164
			331969	47.30	48.62	1.32	0.087
			331970	48.62	49.83	1.21	0.130
			331971	49.83	50.84	1.01	0.116
			331972	50.84	52.12	1.28	0.061
			331973	52.12	53.43	1.31	0.011
			331974	53.43	54.07	0.64	0.003
			331976	54.25	54.92	0.67	0.061
			346803	54.92	55.69	0.77	0.029
			346804	55.69	55.99	0.30	0.014
56.21	56.24	**10qc** ***Quartz-carbonate Vein*** x-cut slightly, 1 cm, minor carb, sharp cts, fg, irreg, tr fg po					
56.24	58.19	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	346805	55.99	56.78	0.79	0.007
			331977	56.78	57.82	1.04	0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-28** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
58.19	58.22	**10q** ***Quartz Vein***					
		x-cut @ 085, 3 - 5 mm, chl incl, minor fg py					
58.22	62.79	**1** ***Mafic to Intermediate Volcanics (undif***	346806	57.82	58.67	0.85	0.003
		grey gran conform sil zone @ 192.7 - 193.5', Qtz vein @ 193.1', conform, 2 cm, wht fg, sharp, chl incl, NVS	346807	58.67	59.74	1.07	0.003
			331978	59.74	60.96	1.22	0.089
			331979	60.96	62.18	1.22	0.003
62.79	62.82	**10qc** ***Quartz-carbonate Vein***					
		x-cut @ 075, 2.5 cm, sharp cts, tr epidote, minor chl incl, tr py					
62.82	65.78	**1** ***Mafic to Intermediate Volcanics (undif***	331980	62.18	63.52	1.34	0.007
		Metavolcanics	331981	63.52	64.62	1.10	0.003
			331982	64.62	65.65	1.03	0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-28** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
65.78	65.81	**10qc** ***Quartz-carbonate Vein*** x-cut, 3 mm, irreg, minor carb, sub mm vugs, NVS					
65.81	67.51	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	331983	65.65	66.60	0.95	0.003
			346808	66.54	67.36	0.82	0.003
67.51	67.54	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, 2 cm, sharp cts, chl incl minor ss shear cts, tr py	346809	67.36	67.67	0.31	0.003
67.54	67.91	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
67.91	67.94	**10qc** ***Quartz-carbonate Vein*** x-cut @ 060, 1 cm, wht mg qtz, sharp cts, minor blebs fg py					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-28** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
67.94	70.87	**1** ***Mafic to Intermediate Volcanics (undif*** well carbonatized to 241'	346810	67.67	68.64	0.97	0.003
			331984	68.64	69.98	1.34	0.003
			346811	69.98	70.77	0.79	0.003
70.87	71.20	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, wht mg qtz, sharp upp ct, minor py frac fill films, tr cpy, lower ct cg carb blebs fg po/py	346812	70.77	71.38	0.61	0.513
71.20	72.45	**1** ***Mafic to Intermediate Volcanics (undif*** grey gran sil zone 233.6 - 226.8', conform; Qtz/carb veins @ 234.7', 2 thin @ 080- 085, wht mg qtz, sharp cts, minor carb, tr vfg po	346813	71.38	71.69	0.31	0.003
			346814	71.69	72.39	0.70	0.003
72.45	73.58	**11s** ***Shear Zone*** well fol, with multiple thin stringers of qtz/carb, minor py; 239.9 - 241.4' shear ~ 080, smeared stringers with slightly elevated fg dissem py	331985	72.39	73.70	1.31	0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-28** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
73.58	84.43	**1** ***Mafic to Intermediate Volcanics (undif*** poor carbonatization; Qtz/carb vein @ 249.1', conform, 5 cm, minor carb, lg wall frags, sharp cts, NVS; Qtz/carb vein @ 256.2', as above (249.1'); grey/wht gran conform sil zone @ 267.1', 5 cm, wall incl, chl incl, minor blebs fg py; Qtz/carb vein @ 268.1', x-cut?, 8 cm, ragged cts, abundant wall + chl incl, minor blebs po; seam of po @ 224.3', 1 mm	331986	73.70	75.01	1.31	0.003
			331987	75.01	76.29	1.28	0.003
			331988	76.29	77.42	1.13	0.003
			331989	77.42	78.33	0.91	0.003
			331990	78.46	79.55	1.09	0.003
			331991	79.55	80.74	1.19	0.003
			331992	80.74	82.08	1.34	0.003
			331993	82.08	83.27	1.19	0.003
			331994	83.27	84.37	1.10	0.003
84.43	84.58	**10qc** ***Quartz-carbonate Vein*** conform?, wht fg qtz, chl + wall incl, minor blebs po, tr py frac fill films; just below vein thin discontinuous po/py seam					
84.58	89.00	**1** ***Mafic to Intermediate Volcanics (undif*** qtz/carb vein @ 281.4', x-cut?, 6 cm, wall incl, tr py; ~282 - 285' rock is well fol and bio/chl rich (minor shearing?); qtz/carb vein @ 284.3', conform, 5 mm, f - cg qtz/py; Qtz/carb vein @ 286.7', conform, 2.5 cm, NVS, occ ss surfaces	331995	84.37	85.47	1.10	0.003
			331996	85.47	86.32	0.85	0.003
			331997	86.32	87.48	1.16	0.003
			331998	87.48	88.57	1.09	0.010

LITHOLOGY REPORT
- Detailed -

Hole Number **86-28** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
89.00	89.46	**11s** ***Shear Zone***	331999	88.57	89.86	1.29	0.003
		highly fol, bio/chl rich rock with numerous thin cal stringers (1 - 2 mm);					
89.46	91.44	**1** ***Mafic to Intermediate Volcanics (undif***	332501	89.86	90.74	0.88	0.003
		Qtz/carb vein @ 294.3', conform, 3 cm, fg, NVS, foliated @ 043; EOH @ 300'	332502	90.74	91.44	0.70	0.003

DRILL HOLE REPORT

Hole Number **86-29** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 106.68
Started:
Completed:
Logged: 15-Nov-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -Data available on whole rock analysis done on metasediments at 108.9', 114.9' and 119.0', see attached sheet.
-Box #4 mislabelled - replaced with correct box.
Overlapping intervals from 45.26-47.18m at the time of report. Pending data verification.

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298109.96
North: 4947287.24
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-29** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	0.61	**Ovb** ***Overburden*** rubbly down to 13'					
0.61	17.07	**2** ***Meta-Pelitic Sediments (undifferentiat*** sericitic phyllitic metaseds, lt grey, schistose, banded layers, dissem fg po + py, occ zones of subhedral to euhedral sub mm cubes py, fol ~ 037; dk grey 25 - 41'; qtz/carb vein @ 41.6', 1 cm, contorted vein, fg, NVS; increasing sulph at 44' to ~2%	332503	5.94	7.32	1.38	0.020
			332504	7.56	8.72	1.16	0.025
			332505	8.72	10.06	1.34	0.025
			332506	10.06	11.28	1.22	0.043
			332507	11.28	12.50	1.22	0.037
			332508	12.50	14.02	1.52	0.026
			332509	14.02	15.54	1.52	0.021
			332510	15.54	16.58	1.04	0.241
			346815	16.58	17.01	0.43	8.800
17.07	17.37	**10qc** ***Quartz-carbonate Vein*** (missing split core pcs - not much here), x-cutting @ 080?, wht m - fg qtz, minor carb, minor cg po + py, minor py frac fill films	346817	17.01	17.37	0.36	0.214
17.37	19.29	**2** ***Meta-Pelitic Sediments (undifferentiat*** at 60' unit becomes rusty to 71'; no carbonatization	346818	17.37	18.29	0.92	0.017
			346819	18.29	19.51	1.22	0.057

LITHOLOGY REPORT
- Detailed -

Hole Number **86-29** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
19.29	19.35	**10q** ***Quartz Vein*** x-cut @ 075, 7 cm, wht mg qtz, tr fg po					
19.35	24.05	**2r** ***Rusty Schist*** rusty cg sericitic (altered), soft, cg blebs po/py along fol ~ 2 - 5%; occ chl rich bands; red brn garnet occurs 74.5 - 79', up to 2 - 5 mm in chl schist; Qtz/carb vein @ 75.3', conform, 5 mm, chl + wall incl, tr po; grey gran conform sil zone @ 77.4', 15 cm; cut piece for analysis @ 79.1'? not recorded	346820	19.51	20.73	1.22	0.006
			346821	20.73	21.95	1.22	0.007
			332511	21.95	23.04	1.09	0.011
			332512	23.04	24.08	1.04	0.010
24.05	35.08	**1** ***Mafic to Intermediate Volcanics (undif*** med grn, fg well fol greenstone; Qtz/carb vein @ 82.2', conform, 5 mm (5 cm in original log - missing pcs), cg carb, minor dissem po/py; Carb/py seam @ 87.0', x-cut @ 070, 1 cm, ~94' gradual change to grn/grey siliceous unit with occ stringers and smears of qtz + carb; fol @ 042; Qtz/carb vein @ 106.1', boudinaged vein, wht mg qtz, tr po irreg; cut core piece at 109.1' (corresponds to bulk rock analysis); Qtz/carb vein @ 112.1', conform, 2 cm, diffuse cts, pinch & swell, tr po, ss on upper ct; cut core @ 112.4' (no record); cut core @ 114.9 corresponds to bulk analysis	332513	24.08	25.27	1.19	0.003
			332514	25.27	26.09	0.82	0.003
			332515	26.09	27.43	1.34	0.005
			332516	27.43	28.50	1.07	0.010
			332517	28.50	29.87	1.37	0.003
			332518	29.87	31.18	1.31	0.003
			332519	31.18	32.25	1.07	0.009
			346822	32.25	32.77	0.52	0.003
			332520	32.77	34.38	1.61	0.005
			346823	34.38	35.05	0.67	0.014

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
35.08	35.33	**10qc** ***Quartz-carbonate Vein*** x-cut @ 085, wht fg qtz, minor carb, minor fg py + frac fill films, carb frac fill at lower ct with py cubes (sub mm) and small vugs with dogtooth cal, some ground core	346824	35.05	35.51	0.46	1.151
35.33	35.69	**11s** ***Shear Zone*** cut core @ 115.9' (no record); well fol @ 047, qtz/carb/bio/chl fg schist, NVS, mylonite, sheared qtz/carb vein?, competent rock; 115.9 - 117' blastmylonitic tex					
35.69	37.00	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 117.3', conform?, 2.5 cm, fg grey gran qtz, minor carb, minor fg po; cut core @ 119.0' for bulk analysis (see results)	346825	35.51	36.85	1.34	0.138
37.00	37.03	**10qc** ***Quartz-carbonate Vein*** x-cut, irreg, 2 cm, wht m - cg qtz, cg carb, cg py at upper ct, minor po (some missing pcs)	346826	36.85	37.16	0.31	1.388

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
37.03	45.14	**1** ***Mafic to Intermediate Volcanics (undif*** grey gran conform sil zone @ 124.4 - 124.6'; Qtz/carb vein @ 131.8', conform, 1 cm, NVS; fol @ 047; 132 - 138' numerous thin stringers and vein frags; Qtz/carb vein @ 136.5', x-cut, 5 mm, irreg, subparallel to core, fg, minor po; Qtz/carb vein @ 143.5', conform, 3 cm, wht fg, NVS	346827	37.16	37.76	0.60	0.099
			332521	37.76	38.74	0.98	0.018
			332522	38.74	40.14	1.40	0.006
			346828	40.14	40.72	0.58	0.034
			332523	40.72	41.27	0.55	0.040
			346829	41.27	42.21	0.94	0.097
			332524	42.21	43.71	1.50	0.024
			346830	43.71	44.96	1.25	0.023
			346831	44.96	45.26	0.30	0.719
45.14	45.23	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, wht fg qtz, minor carb, irreg upp ct (lower ct not present, missing pcs), tr tour, minor blebs py/cpy, chl incl					
45.23	48.92	**1** ***Mafic to Intermediate Volcanics (undif*** mod carbonatization to 172'; Qtz/carb vein @ 154.3', conform, fg, minor po; 153 - 155' unit is fg well fol @ 045 with "platey" breakage, tr vfg dissem po (minor shear?); grey gran conform sil zone @ 155.5', 5 cm, vein frags near lower ct, lg blebs to fg dissem po tr py, chl incl; missing core pcs 158 - 159'	346832	45.26	46.63	1.37	0.129
			332526	46.30	47.18	0.88	0.034
			346833	47.18	47.76	0.58	0.121
			346834	47.76	48.83	1.07	0.033
48.92	48.95	**10qc** ***Quartz-carbonate Vein*** x-cut slightly, 2.5 cm, f - mg, minor py,po, cpy at upper ct rare sub mm cubes, med - cg lower ct with minor vuggy blebs of marcasite/py (some missing pcs)					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
48.95	49.68	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	346835	48.83	49.13	0.30	28.104
			346836	49.13	49.74	0.61	0.217
49.68	49.71	**10qc** ***Quartz-carbonate Vein*** x-cut @ 075, 1 cm, fg, minor po (missing pcs)					
49.71	64.92	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 167.6', conform, 2 cm, wht mg qtz, minor po; grey/wht gran conform sil zone @ 174.1 - 175.1', minor carb, wall incl along fol, NVS; 175.9 - 177.0' asabove (174.1'); Carb vein @ 177.6', ~3 mm, x-cut @ 085, NVS; similar at 180.2', 183.0', 186.1', 186.8', & 187.8'	346837	49.74	50.87	1.13	0.021
			346838	50.87	51.36	0.49	0.068
			332527	51.36	52.58	1.22	0.367
			332528	52.58	53.61	1.03	0.061
			332529	53.61	54.92	1.31	0.198
			332530	54.92	56.08	1.16	0.376
			332531	56.08	57.30	1.22	0.370
			332532	57.30	58.46	1.16	0.073
			332533	58.46	59.65	1.19	0.057
			332534	59.65	61.02	1.37	0.157

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			332535	61.02	61.60	0.58	0.501
			346839	61.60	62.18	0.58	0.295
			332536	62.18	63.12	0.94	0.641
			332537	63.12	64.19	1.07	0.306
			332538	64.19	65.23	1.04	0.245
64.92	65.44	**11s** ***Shear Zone*** gradual to brn colour (bio rich), vfg with numerous thin stringers, NVS					
65.44	71.87	**1** ***Mafic to Intermediate Volcanics (undif*** 221.5 - 224.0' lt - dk grey gran qtz, with frags of wht gran qtz, chl incl, irreg tex; fol @ 038; grey gran sil zone @ 235.4', 7 cm	332539	65.23	66.51	1.28	0.355
			332540	66.51	67.88	1.37	0.252
			332541	67.88	69.19	1.31	0.101
			332542	69.19	70.41	1.22	0.030
			332543	70.41	71.78	1.37	0.008
71.87	72.24	**11s** ***Shear Zone*** similar to 214.7' above					
72.24	72.91	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332544	71.78	73.06	1.28	0.083

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
72.91	72.94	**10qc** ***Quartz-carbonate Vein*** x-cut @ 050, 2.5 cm, wht f - mg qtz, chl incl, tr po					
72.94	79.34	**1** ***Mafic to Intermediate Volcanics (undif*** grey, gran sil zone @ 242.0', 3 cm, chl incl, NVS; massive tex; 254 - 257' unit becomes slightly coarser with elevated sulph (~5 - 10% po/py minor cpy), after returns to tr sulph; Qtz vein @ 256.1', conform, 7 cm, wht/grey fg, chl incl, minor fg po/py/cpy; grey gran sil zone @ 257.4 - 258.3'; 258 - 260' zone of low angle, thin qtz/carb veinlets, tr sulph	332545	73.06	74.37	1.31	0.008
			332546	74.37	75.59	1.22	0.003
			332547	75.59	76.81	1.22	0.012
			332548	76.81	77.42	0.61	0.003
			346841	77.42	78.52	1.10	0.071
			346842	78.52	79.92	1.40	0.010
79.34	79.37	**10qc** ***Quartz-carbonate Vein*** x-cut @ 075, 3 cm, irreg, tr po					
79.37	79.95	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
79.95	80.10	**10qc** ***Quartz-carbonate Vein*** conform, wht mg qtz, minor carb, minor py frac fill films, sharp cts					
80.10	84.00	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 269.0 - 269.7', x-cut?, wht mg qtz, minor carb, tr py frac fill films; Qtz/carb vein @ 274.7', 2.5 cm, boudinaged, wht fg qtz, chl + wall incl, minor py/po;	346843	79.92	80.80	0.88	0.005
			332549	80.80	81.47	0.67	0.003
			332551	81.47	83.00	1.53	0.003
			346844	83.00	83.58	0.58	0.003
			346845	83.58	83.88	0.30	0.027
84.00	84.12	**10qc** ***Quartz-carbonate Vein*** x-cut @ 075, wht fg qtz, v minor py frac fill films					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
84.12	86.69	**1** ***Mafic to Intermediate Volcanics (undif***	346846	83.88	84.40	0.52	0.012
		Qtz vein @ 277.3', conform, 1 cm, minor py/po; 279.1 - 279.5' diffuse silicified and sericitized zone	332552	84.40	85.71	1.31	0.003
			332553	85.71	86.93	1.22	0.003
86.69	86.93	**11s** ***Shear Zone***					
		blastomylonitic tex, NVS					
86.93	90.01	**1** ***Mafic to Intermediate Volcanics (undif***	332554	86.93	88.09	1.16	0.080
		Metavolcanics	332555	88.09	89.37	1.28	0.003
			332556	89.37	90.56	1.19	0.003
90.01	90.16	**11f** ***Fault Zone***					
		broken core, no alteration or mineralization, no sense of displacement					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
90.16	106.68	**1** ***Mafic to Intermediate Volcanics (undif*** grey gran conform sil zone @ 301.6 - 302.3'; massive to weakly fol, poorly carbonatized to 310', then well carbonatized to 324', poor after to EOH; zone of increased carbonatization also mod to strongly fol with vein and stringer frags along fol; EOH @ 350'	332557	90.56	91.74	1.18	0.108
			332558	91.74	92.66	0.92	0.021
			332559	92.66	93.94	1.28	0.035
			332560	93.94	94.82	0.88	0.005
			332561	94.82	95.92	1.10	0.011
			332562	95.92	97.14	1.22	0.003
			332563	97.14	98.02	0.88	0.003
			332564	98.02	99.09	1.07	0.003
			332565	99.09	100.28	1.19	0.003
			332566	100.28	101.22	0.94	0.005
			332567	101.22	102.11	0.89	0.003
			332568	102.11	103.27	1.16	0.006
			332569	103.27	104.70	1.43	0.003
			332570	104.70	105.80	1.10	0.003
			332571	105.80	106.68	0.88	0.003

DRILL HOLE REPORT

Hole Number **86-30** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -69
Length: 182.88
Started:
Completed:
Logged: 28-Nov-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment:
-Reconstruction of Box #4 (backwards & mixed core), box #5 backwards
-Box #22 - dropped box?, highly mixed, untrustworthy
-Reconstruction of boxes 26 - 29 (dropped?), some missing pcs & discontinuities, generally okay now.
-Overlapping intervals from 83.42-84.76m at the time of report. Pending data verification.

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298165.94
North: 4947325.71
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-69.00	C	☑	

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- Detailed -

Hole Number **86-30** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	0.61	**Ovb** ***Overburden*** Overburden					
0.61	7.32	**2** ***Meta-Pelitic Sediments (undifferentiat*** lt-med-dk grey, fg, quartzitic/ sericitic pelitic schists, phyllitic metaseds, rusty, fg dissem po/py blebs along fol; Qtz vein @ 5.6', x-cut, 2 cm, irreg, tr dissem py; Qtz vein @ 6.4', x-cut, 1.5 cm, wht qtz, tr po; Qtz/carb vein @ 9.1', generally conform, ragged cts, minor carb, minor dissem po; 23.0 - 24.7' zone highly sericitic and silicified with qtz frags, cg po blebs, crosscutting fg py seams					
7.32	16.46	**2** ***Meta-Pelitic Sediments (undifferentiat*** Qtz vein @ 30.9', x-cut @ 065, 2.5 cm, wht mg qtz, minor cg py + po; fol @032					
16.46	17.07	**LC** ***Lost Core*** A lot of missing split core pieces, incomplete core					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
17.07	43.28	**2** ***Meta-Pelitic Sediments (undifferentiat*** Qtz/carb vein @ 58.7', slightly x-cut, 1 - 2 cm, wht fg qtz, v minor carb, minor po blebs along fol; Qtz vein @ 64.6', x-cut @ 075, 1.5 cm, wht fg qtz, minor blebs po, py, tr gal?; fol @ 028 at 66'; 78.9 - 79.5' well fol sericitic and silicified zone with occ qtz vein frags and blebs po + py; 96.3' zone of elevated po blebs along fol ~ 4 cm, conform; 102.2 - 103.3' conform zone of elevated po bleb content, minor py + cpy; grey fg granular qtz and sericite band, conform, 5 cm, minor dissem blebs po/py; 113 - 114' zone of numerous thin qtz stringers and thin py seams; Qtz vein @ 119.0', boudinaged, conform, 3.5 cm, wht mg qtz, minor cg py and po; 120.8 - 121.4' altered zone ?, lt to med grey, qtz sericite schist, weak fol, dissem py blebs up to ~15%, upp & lower cts show breaks with ss (minor shearing); 126.7' seam of cg py + po, irreg, 2 mm, gen conform; 140.8 - 141.0' qtz rich zone (qtzite or silicification?), tr fg blebs po; 141 - 142' minor fg red/brn gt porphyoblasts along bedding	295930	16.76	17.86	1.10	0.003
			295931	17.86	19.02	1.16	0.003
			295932	19.02	19.51	0.49	0.003
			295933	19.51	19.81	0.30	0.003
			295934	19.81	20.79	0.98	0.003
			295935	20.79	21.85	1.06	0.003
			295936	21.85	22.71	0.86	0.003
			295937	22.71	23.96	1.25	0.003
			295938	23.96	24.81	0.85	0.003
			295939	24.81	26.09	1.28	0.003
			295940	26.09	27.07	0.98	0.003
			295941	27.07	28.13	1.06	0.006
			295942	28.13	29.02	0.89	0.003
			295943	29.02	30.21	1.19	0.011
			295944	30.21	31.18	0.97	0.008
			295945	31.18	31.97	0.79	0.008
			295946	31.97	33.10	1.13	0.014
			295947	33.10	34.17	1.07	0.025
			295948	34.17	34.93	0.76	0.008
			295949	34.93	35.72	0.79	0.018
			295951	35.72	36.42	0.70	0.028
			295952	36.42	37.06	0.64	0.047
			295953	37.06	38.07	1.01	0.033
			295954	38.07	39.38	1.31	0.093
			295955	39.38	40.33	0.95	0.049
			295956	40.33	41.51	1.18	0.029
			295957	41.51	42.82	1.31	0.171

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			295958	42.82	43.74	0.92	0.022
43.28	43.68	**10qc** ***Quartz-carbonate Vein*** conform, wht fg qtz, 2 mm seam mg carb on upper ct, tr dissem blebs po + py					
43.68	52.43	**2** ***Meta-Pelitic Sediments (undifferentiat*** vfg gt in horizons/beds, patchy, to 147'; wht fg gran qtz zone with abundant chl incl, minor fg py at upper	295959	43.74	44.68	0.94	0.047
			295960	44.68	44.99	0.31	0.068
			295961	44.99	45.35	0.36	0.083
			295962	45.35	46.63	1.28	0.032
			295963	46.63	47.70	1.07	0.022
52.43	61.57	**1** ***Mafic to Intermediate Volcanics (undif*** contact indefinite, some missing split core pcs, core becomes dk grey/grn well fol with weak to mod pervasive carbonatization and occ thin stringers; 176.0' wht/grey fg granular qtz/carb, 8 cm, appears nonconform but fol is disrupted around this zone; 177' unit becomes well carbonatized; 181.2' grey/wht fg gran qtz/carb, ~5 - 2.5 cm, conform but contorted fol through this zone, diffuse cts, NVS	295964	52.85	53.64	0.79	0.009
			295965	53.64	54.56	0.92	0.096
			295966	54.56	55.57	1.01	0.012
			295967	55.57	56.72	1.15	0.003
			295968	56.72	57.58	0.86	0.003
			295969	57.58	58.83	1.25	0.006
			295970	58.83	59.62	0.79	0.009
			295971	59.62	60.81	1.19	0.003
			295972	60.81	61.54	0.73	0.007
61.57	61.81	**10qc** ***Quartz-carbonate Vein*** upper ct x-cut @ 070, lower ct conform @ 030, wht mg qtz + carb (ankerite), NVS	295973	61.54	61.84	0.30	0.003

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
61.81	63.70	**1** ***Mafic to Intermediate Volcanics (undif***	295974	61.84	63.25	1.41	0.006
		Qtz/carb vein @ 208.1', x-cut?, 2.5 cm, wht mg qtz, irreg cts, sericite incl, diffuse cts, NVS	295976	63.25	64.04	0.79	0.029
63.70	64.04	**10qc** ***Quartz-carbonate Vein***					
		conform?, wht fg qtz, minor carb, minor fg py frac fill films					
64.04	70.13	**1** ***Mafic to Intermediate Volcanics (undif***	295977	64.04	65.11	1.07	0.012
		Qtz/carb vein @ 211.3', conform, 2.5 cm, wht mg qtz, NVS; Qtz/carb vein @ 212.4', conform, 1 cm, wht mg qtz, NVS; Qtz/carb vein @ 219.2', conform, 1 - 2.5 cm, f-mg wht qtz, NVS; Qtz/carb vein @ 228.0', conform?, 1.5 cm, wht mg qtz, slight boudinage, tr blebs po/py	295978	65.11	65.87	0.76	0.003
			295979	65.87	66.87	1.00	0.028
			295980	66.87	67.60	0.73	0.038
			295981	67.60	68.46	0.86	0.007
			295982	68.46	69.34	0.88	0.018
			295983	69.34	69.65	0.31	0.018
			295984	69.65	70.10	0.45	0.247
70.13	70.32	**10qc** ***Quartz-carbonate Vein***	295985	70.10	70.47	0.37	4.057
		x-cut @ 080, wht f-mg qtz, minor carb, minor po/py, weathered pits of relict marcas, chl + wall incl					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
70.32	94.67	**1** ***Mafic to Intermediate Volcanics (undif*** 271.3 - 272.0' zone with several winding irreg qtz/carb stringers, v minor dissem py + po; wht/grey fg gran sil zone @ 274.0 - 274.5', conform, tr fg dissem py; angular qtz frag @ 280.3', (2 x 4 cm); Qtz/carb vein @ 281.0', x-cut, 3.5 cm, ragged cts, wht mg qtz, minor carb, tr py; Qtz/carb vein @ 281.5', 4 mm, wht fg qtz, NVS; 282 - 285' minor shear zone?, brecciated qtz pcs 1 - 3 cm frags along fol @ 035; Qtz/carb vein @ 296.4', x-cut, 4 cm, wht/grey fg gran, slightly boudinaged,, v minor carb, tr sulph; Qtz/carb vein @ 300.3', conform, 1.5 cm, fg, NVS; Qtz/carb vein @ 301.2', conform, 7 cm, wht fg gran qtz, bio incl, tr sulph; Qtz/carb vein @ 304.1', conform, 2.5 cm, wht fg qtz, NVS	295986	70.47	71.32	0.85	0.047
			295987	71.32	72.36	1.04	0.008
			295988	72.36	73.49	1.13	0.015
			295989	73.49	74.37	0.88	0.003
			295990	74.37	75.41	1.04	0.009
			295991	75.41	76.38	0.97	0.008
			295992	76.38	77.39	1.01	0.003
			295993	77.39	78.64	1.25	0.003
			295994	78.64	79.98	1.34	0.003
			295995	79.98	80.89	0.91	0.005
			295996	80.89	82.11	1.22	0.085
			295997	82.11	83.42	1.31	0.003
			295998	83.42	83.73	0.31	0.009
			295999	83.64	84.76	1.12	0.003
			330001	84.76	85.44	0.68	0.003
			330002	85.44	85.80	0.36	0.003
			330003	85.80	86.69	0.89	0.010
			330004	86.69	87.78	1.09	0.018
			330005	87.78	89.03	1.25	0.025
			330006	89.03	90.19	1.16	0.003
			330007	90.19	90.50	0.31	0.003
			330008	90.50	91.38	0.88	0.003
			330009	91.38	91.99	0.61	0.003

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			330010	91.99	92.54	0.55	0.003
			330011	92.54	92.84	0.30	0.003
			330012	92.84	93.45	0.61	0.003
			330013	93.45	94.55	1.10	0.003
94.67	94.76	**10qc** ***Quartz-carbonate Vein*** conform, 8 cm, wht fg qtz, chl + wall incl, NVS	330014	94.55	94.85	0.30	0.003
94.76	110.79	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 216.5', conform @ 042, 2 cm, wht/grey fg qtz, chl incl, NVS; Qtz/carb vein @ 343.7', conform, 2.5 cm, wht/grey fg qtz, minor carb, chl incl, NVS; Qtz/carb vein @ 349.0', cts?, 3.5 cm, wht mg qtz, abundant chl + wall incl, tr fg dissem sulph; Qtz/carb vein @ 354.4', conform, 2 cm, wht mg qtz, minor carb, abundant chl + wall incl, tr dissem po + py	330015	94.85	95.74	0.89	0.007
			330016	95.74	96.99	1.25	0.003
			330017	96.99	97.81	0.82	0.003
			330018	97.81	98.12	0.31	0.211
			330019	98.12	99.27	1.15	0.003
			330020	99.27	100.40	1.13	0.008
			330021	100.40	101.07	0.67	0.009
			330022	101.07	102.14	1.07	0.012
			330023	102.14	102.96	0.82	0.008
			330024	102.96	103.97	1.01	0.010
			330026	103.97	104.85	0.88	0.015
			330027	104.85	105.55	0.70	0.011
			330028	105.55	106.22	0.67	0.016
			330029	106.22	106.53	0.31	0.011
			330030	106.53	107.29	0.76	0.006
			330031	107.29	108.05	0.76	0.005

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			330032	108.05	109.42	1.37	0.012
			330033	109.42	110.28	0.86	0.003
			330034	110.28	110.70	0.42	0.003
110.79	110.98	**10qc** ***Quartz-carbonate Vein*** conform?, wht mg qtz, minor carb, chl + wall incl, tr sulph	330035	110.70	111.01	0.31	0.003
110.98	120.70	**1** ***Mafic to Intermediate Volcanics (undif*** 365 - 368' diffuse mild shear zone?; Qtz/carb vein @ 367.8', x-cut, 1 cm, wht cg qtz + carb, tr blebs po + py; Qtz/carb vein @ 370.7', conform, 5 cm, wht f-mg qtz, minor shearing, minor blebs po + py, tr cpy; grey fg gran sil zone @ 373.4', 5 cm; Qtz vein @ 386.3', conform, 1.5 cm, fg, NVS; Qtz vein @ 386.8', conform, 1 cm, fg, NVS; grey fg gran sil zone @ 388.9', conform, 6.5 cm; Qtz/carb vein @ 392.8', x-cut @ 075, 2 cm, wht fg qtz, v minor carb, tr py blebs	330036	111.01	111.92	0.91	0.006
			330037	111.92	112.23	0.31	0.008
			330038	112.23	112.81	0.58	0.003
			330039	112.81	113.11	0.30	0.008
			330040	113.11	114.03	0.92	0.006
			330041	114.03	115.06	1.03	0.099
			330042	115.06	116.22	1.16	0.010
			330043	116.22	117.04	0.82	0.007
			330044	117.04	118.32	1.28	0.003
			330045	118.32	119.18	0.86	0.003
			330046	119.18	119.63	0.45	0.003
			330047	119.63	119.94	0.31	0.003
			330048	119.94	120.61	0.67	0.003
120.70	120.85	**11s** ***Shear Zone*** chaotic zone, highly silicified, numerous thin stringers,, minor breccia					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
120.85	121.92	**1** ***Mafic to Intermediate Volcanics (undif*** End of original hole @ 400.0', extended to 600.0'	330049	120.61	121.92	1.31	0.003
121.92	128.02	**LC** ***Lost Core*** Box #22 (400 - 420'), dropped box?, core reconstruction but mostly discontinuous, untrustworthy					
128.02	129.45	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 420.7', generally conform, sheared, almost boudinaged,1 - 6 cm, slightly contorted, wht mg qtz, m-cg carb (ank), chl incl, minor blebs po; Qtz vein @ 424.0', x-cut @085, 1.5 cm, grey/wht f-mg qtz, NVS	330051	127.62	128.47	0.85	0.024
			330052	128.47	129.05	0.58	0.061
			330053	129.05	129.42	0.37	0.003
129.45	130.48	**10qc** ***Quartz-carbonate Vein*** conform?, wht m- cg qtz, cg carb, carb + blk tour at cts, minor bio at lower ct, minor blebs py + cpy, mainly massive wht qtz	330054	129.42	130.58	1.16	0.003

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
130.48	150.57	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 459.0', v irreg, subparallel to core, 3 cm, minor carb, tr blebs sulph; grey/grn siliceous zone @ 488 - 489', conform	330055	130.58	131.25	0.67	0.023
			330056	131.25	132.31	1.06	0.003
			330057	132.31	133.41	1.10	0.012
			330058	133.41	134.23	0.82	0.003
			330059	134.23	135.03	0.80	0.026
			330060	135.03	136.18	1.15	0.040
			330061	136.18	137.16	0.98	0.003
			330062	137.16	138.17	1.01	0.003
			330063	138.17	139.29	1.12	0.003
			330064	139.29	140.24	0.95	0.014
			330065	140.24	141.18	0.94	0.024
			330066	141.18	142.16	0.98	0.005
			330067	142.16	143.35	1.19	0.006
			330068	143.35	144.54	1.19	0.003
			330069	144.54	145.54	1.00	0.008
			330070	145.54	146.55	1.01	0.003
			330071	146.55	147.46	0.91	0.029
			330072	147.46	148.44	0.98	0.062
			330073	148.44	149.60	1.16	0.007
			330075	149.60	150.45	0.85	0.262
150.57	150.66	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, wht mg qtz, v minor carb, v minor fg py frac fill films, zone around vein v chl rich, minor shearing in vein?	330076	150.45	150.75	0.30	0.317

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Hole Number **86-30** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
150.66	172.49	**1** ***Mafic to Intermediate Volcanics (undif*** 498.6 - 500' zone of minor shearing, brecciated gran qtz pcs, tr fg blebs sulph; 500 - 504' occ thin bands of chl rich core and bio rich core, conform, shearing ?; 532.1 - 533.5', silicified zone with patchy vfg grn epidote alt along fol or banding, slightly brecciated look, minor fg carb, NVS; 558 - 562' occ zones of silicification and epidote alt, patchy; massive looking GS with few stringers to ~ 565'	330077	150.75	151.36	0.61	0.003
			330078	151.36	152.40	1.04	0.003
			330079	152.40	153.62	1.22	0.020
			330080	153.62	154.78	1.16	0.003
			330081	154.78	155.84	1.06	0.049
			330082	155.84	156.97	1.13	0.081
			330083	156.97	158.50	1.53	0.006
			330084	158.50	159.59	1.09	0.003
			330085	159.59	160.81	1.22	0.003
			330086	160.81	161.79	0.98	0.003
			330087	161.79	162.61	0.82	0.003
			330088	162.61	163.31	0.70	0.008
			330089	163.31	164.38	1.07	0.003
			330090	164.38	165.48	1.10	0.003
			330091	165.48	166.45	0.97	0.003
			330092	166.45	167.58	1.13	0.007
			330093	167.58	168.25	0.67	0.006
			330094	168.25	169.38	1.13	0.006
			330095	169.38	170.47	1.09	0.003
			330096	170.47	171.39	0.92	0.003
			330097	171.39	172.46	1.07	0.142
172.49	172.67	**10qc** ***Quartz-carbonate Vein*** x-cut?, ~15 cm, wht/grey m-cg qtz, m-cg carb, minor blebs py, tr cpy, minor fg py frac fill films	330099	172.46	172.76	0.30	0.089

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Hole Number **86-30** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
172.67	182.88	**1** ***Mafic to Intermediate Volcanics (undif*** grey fg gran sil zone @ 587.3', conform, 4 cm, tr blebs po; Qtz vein @ 589.0', x-cut, contorted, 1.5 cm, abundant chl incl, tr blebs sulph; massive looking to EOH @ 600.0'	330100	172.76	173.83	1.07	0.049
			330101	173.83	174.83	1.00	0.003
			330102	174.83	175.90	1.07	0.003
			330103	175.90	177.09	1.19	0.003
			330104	177.09	178.00	0.91	0.012
			330105	178.00	178.89	0.89	0.088
			330106	178.89	179.19	0.30	0.007
			330107	179.19	179.59	0.40	0.005
			330108	179.59	180.59	1.00	0.003
			330109	180.59	181.72	1.13	0.049

DRILL HOLE REPORT

Hole Number **86-31** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 91.44
Started:
Completed:
Logged: 29-Nov-16
Comment:

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298112.93
North: 4947264.61
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-31** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	0.61	**Ovb** ***Overburden*** Overburden					
0.61	15.85	**2** ***Meta-Pelitic Sediments (undifferentiat*** rubbly to 14', lt to med grey, banded phyllitic schists, some contortions, occ sericitic bands, minor dissem blebs py, well fol @ 040	330110	4.27	5.24	0.97	0.003
			330111	5.24	6.28	1.04	0.009
			330112	6.28	7.47	1.19	0.003
			330113	7.47	8.75	1.28	0.003
			330114	8.75	9.85	1.10	0.008
			330115	9.85	10.67	0.82	0.009
			330116	10.67	11.58	0.91	0.006
			330117	11.58	12.74	1.16	0.008
			330118	12.74	13.84	1.10	0.003
			330119	13.84	15.12	1.28	0.009
			330120	15.12	15.88	0.76	0.031
15.85	16.28	**10qc** ***Quartz-carbonate Vein*** cts missing, (x-cut @ 075?), grey/wht gran qtz, minor carb, minor py + marcas, tr po	330121	15.88	16.34	0.46	0.006

LITHOLOGY REPORT
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Hole Number **86-31** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
16.28	31.70	**2** ***Meta-Pelitic Sediments (undifferentiat*** ~57 - 60' rusty core, abundant blebs f - mg po along fol; 69.0' seam ~ 2mm carb/py, @ 015, blk bio with py; 62 - 80' grey sericite rich, soft talc like feel, minor po along fol; Qtz vein @ 90.3', conform, 5 cm, grey gran qtz, minor carb, minor py blebs	330122	16.34	16.98	0.64	0.016
			330124	16.98	17.37	0.39	0.017
			330125	17.37	18.53	1.16	0.048
			330126	18.53	19.35	0.82	0.028
			330127	19.35	20.24	0.89	0.059
			330128	20.24	21.40	1.16	0.053
			330129	21.40	22.31	0.91	0.032
			330130	22.31	23.44	1.13	0.067
			330131	23.44	24.41	0.97	0.039
			330132	24.41	25.60	1.19	0.047
			330133	25.60	26.61	1.01	0.019
			330134	26.61	27.43	0.82	0.009
			330135	27.43	28.65	1.22	0.008
			330136	28.65	29.26	0.61	0.014
			330137	29.26	30.05	0.79	0.012
			330138	30.05	30.66	0.61	0.010
			330139	30.66	31.70	1.04	0.016
31.70	32.00	**11s** ***Shear Zone*** changing and contorted fol, broken core pcs, numerous ss surfaces, minor rusting, frags in well fol					
32.00	33.01	**2** ***Meta-Pelitic Sediments (undifferentiat*** 107 - 108' red porophyoblastic gt, 0,5 - 1.0 mm, along fol	330140	31.70	32.58	0.88	0.031
			330141	32.58	33.22	0.64	0.034

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Hole Number **86-31** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
33.01	39.72	**1** ***Mafic to Intermediate Volcanics (undif*** fg, med grn/grey GS, well fol @ 045, well carbonatized; grey fg gran sil zone @ 111.8 - 113.3', fine seams fg py, v minor fg py frac fill films; Qtz/carb vein @ 119.3', x-cut, 2 cm, minor blebs py, rare sub mm cubes; grey/wht fg gran sil zone @ 120.8 - 121.4', conform, minor vfg carb, NVS; Qtz/carb vein @ 127.3', x-cut @ 080, 0.5 cm, tr sulph	330142	33.22	33.99	0.77	0.012
			330143	33.99	34.59	0.60	0.008
			330144	34.59	35.48	0.89	0.023
			330145	35.48	36.52	1.04	0.024
			330146	36.52	37.52	1.00	0.014
			330147	37.52	38.37	0.85	0.012
			330149	38.37	39.14	0.77	0.034
			330150	39.14	39.59	0.45	0.011
39.72	39.84	**10qc** ***Quartz-carbonate Vein*** conform, wht fg qtz, gran, lower ct shows mg carb + chl incl					
39.84	48.77	**1** ***Mafic to Intermediate Volcanics (undif*** grey/wht, fg gran sil zone @ 131.2 - 131.5', chl incl; grey fg gran sil zone @ 135.0 - 137.4', chl incl, encloses Qtz/carb vein @ 135.9', x-cut @ 070, 3 - 4 mm, wht mg qtz/ carb, minor fg dissem po; Qtz/carb vein @ 139.5', x-cut slightly, 1 cm, wht mg qtz, minor py; grey fg gran sil zone @ 144.0', 10 cm, diffuse cts, NVS; increasing silicification; grey fg gran sil zone @ 158.9', 5 cm; Qtz/carb vein @ 159.9', x-cut @ 085, 4 mm, f - mg qtz, NVS	330151	39.59	40.20	0.61	0.011
			330152	40.20	41.06	0.86	0.154
			330153	41.06	41.45	0.39	0.141
			330154	41.45	41.97	0.52	0.078
			330155	41.97	42.89	0.92	0.044
			330156	42.89	43.89	1.00	0.013
			330157	43.89	44.50	0.61	0.012

Hole Number **86-31** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			330158	44.50	45.51	1.01	0.007
			330159	45.51	46.54	1.03	0.003
			330160	46.54	47.37	0.83	0.050
			330161	47.37	48.40	1.03	0.089
			330162	48.40	48.89	0.49	0.018
48.77	49.26	**11s** ***Shear Zone*** blastomylonitic tex, bio rich	330163	48.89	49.56	0.67	0.007
49.26	54.13	**1** ***Mafic to Intermediate Volcanics (undif*** 162 - 169' zone has numerous qtz stringers and a banded appearance of wht qtz, grn chl & blk bio, (flow breccia?); Qtz/carb vein @ 172.4', x-cut @ 080, 6 cm, wht mg qtz, v minor carb, minor po blebs	330164	49.56	50.66	1.10	0.033
			330165	50.66	51.79	1.13	0.005
			330166	51.79	52.73	0.94	0.003
			330167	52.73	53.58	0.85	0.007
			330168	53.58	54.10	0.52	0.015
54.13	54.35	**10qc** ***Quartz-carbonate Vein*** missing cts, (x-cut @ 075?), wht mg qtz, tr po/py, lower ct minor po + py	330169	54.10	54.41	0.31	0.014

LITHOLOGY REPORT
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Hole Number **86-31** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
54.35	62.09	**1** ***Mafic to Intermediate Volcanics (undif*** 187 - 188' zone of boudinaged stringers and veins, minor po/py; Qtz vein @ 201.1', x-cut @ 070, 1.5 cm, boudinaged, mg qtz, NVS	330170	54.41	55.17	0.76	0.042
			330171	55.17	56.21	1.04	0.011
			330172	56.21	57.00	0.79	0.041
			330174	57.00	57.30	0.30	0.030
			330175	57.30	58.25	0.95	0.013
			330176	58.25	59.13	0.88	0.038
			330177	59.13	60.29	1.16	0.073
			330178	60.29	61.14	0.85	0.007
			330179	61.14	61.45	0.31	0.003
			330180	61.45	62.06	0.61	0.003
62.09	62.30	**10qc** ***Quartz-carbonate Vein*** conform, wht fg qtz, abundant chl incl, v minor gran carb, minor py	330181	62.06	62.48	0.42	0.098
62.30	74.80	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 209.9', missing pcs, wht mg qtz, minor fg py frac fill films, x-cut @080; grey fg gran sil zone @ 215.7', conform @ 045, 4.5 cm; Qtz/carb vein @ 224.0', 5 cm, wht fg gran qtz & carb, minor blebs po; Qtz vein @ 227.8', conform?, 2,5 cm, wht mg qtz, chl incl, minor po; Qtz vein @ 230.1', x-cut, v irreg, 1 cm, minor po/py; qtz frag @ 233.8', tr sulph; grey fg gran sil zone @ 239.2', 5 cm, tr po specks	330182	62.48	63.49	1.01	0.238
			330183	63.49	64.07	0.58	0.149
			330184	64.07	64.95	0.88	0.202
			330185	64.95	65.96	1.01	0.231
			330186	65.96	67.03	1.07	0.109
			330187	67.03	67.85	0.82	0.222
			330188	67.85	68.76	0.91	0.200
			330189	68.76	69.28	0.52	0.401
			330190	69.28	69.59	0.31	0.498
			330191	69.59	70.41	0.82	0.404

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			330192	70.41	71.38	0.97	0.055
			330193	71.38	72.27	0.89	0.007
			330194	72.27	73.27	1.00	0.003
			330195	73.27	74.37	1.10	0.008
			330196	74.37	75.19	0.82	0.003
74.80	74.89	**10qc** ***Quartz-carbonate Vein*** x-cut, wht mg qtz, v minor carb, minor py, fg frac fill films, tr subhedral cubes					
74.89	77.39	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 247.1', x-cut, wht fg qtz, tr carb, tr sulph, sericitization around this zone; Qtz/carb vein @ 250.3', v irreg, wht fg qtz, minor carb with fg bio flakes, minor fg py frac fill films, sericitized through zone; brecciated Qtz/carb vein @ 250.7', x-cut, 6 cm, frags;	330197	75.19	75.96	0.77	0.003
			330199	75.96	77.08	1.12	0.003
			330200	77.08	77.60	0.52	0.008
77.39	77.51	**10qc** ***Quartz-carbonate Vein*** upper ct x-cut @ 085, lower ct sheared @ 060, wht mg qtz, minor carb, minor fg py frac fill films					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-31** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
77.51	78.82	**11s** ***Shear Zone*** blastomylonitic tex, bio rich; 070, well carbonatized, encloses brecciated qtz/carb vein @ 257.6', 6 cm, brecc frags, f - mg qtz, cts conform to shear, chl incl, NVS	330201	77.60	78.36	0.76	0.003
78.82	91.44	**1** ***Mafic to Intermediate Volcanics (undif*** mod fol, 262.5' seam of py/po x-cut @ 080, 3 mm; Qtz vein @ 278.5', conform, 5 cm, wht fg gran qtz, 286.5' - 5 cm zone of broken core with minor weathering of open joint, no mineralization (late fault?); 289.0' - several thin qtz/carb stringers with minor subhedral fg gt in chl; Carb vein @ 290.7', conform, 7 cm, cg cal, NVS; grey fg gran sil zone @ 299.5', 5 cm; EOH @ 300'	330202	78.36	79.43	1.07	0.003
			330203	79.43	80.47	1.04	0.017
			330204	80.47	81.38	0.91	0.024
			330205	81.38	82.48	1.10	0.005
			330206	82.48	83.52	1.04	0.009
			330207	83.52	84.19	0.67	0.005
			330208	84.19	85.28	1.09	0.007
			330209	85.28	86.20	0.92	0.003
			330210	86.20	87.08	0.88	0.023
			330211	87.08	87.66	0.58	0.007
			330212	87.66	88.79	1.13	0.003
			330213	88.79	89.79	1.00	0.003
			330214	89.79	90.68	0.89	0.007
			330215	90.68	91.44	0.76	0.009

DRILL HOLE REPORT

Hole Number **86-32** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 76.2
Started:
Completed:
Logged: 16-Nov-16
Comment:

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298075.05
North: 4947266.71
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-32** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	0.61	**Ovb** ***Overburden*** Overburden					
0.61	7.86	**2r** ***Rusty Schist*** lt grey to med grey, fg, fissile, well fol and banded phyllitic schist, minor fg dissem po, minor py; alt sericite rich and occ chl rich bands, v rusty to 44'; weathered to ~9';	332572	3.20	4.11	0.91	0.016
			332573	4.11	4.82	0.71	0.020
			332574	4.82	5.49	0.67	0.008
			332576	5.49	6.25	0.76	0.329
			332577	6.25	7.01	0.76	0.037
			346847	7.01	7.77	0.76	0.229
7.86	8.11	**10qc** ***Quartz-carbonate Vein*** x-cut?, wht fg qtz, minor po/py	346848	7.77	8.14	0.37	23.059
8.11	13.66	**2r** ***Rusty Schist*** Metasediments	346849	8.14	9.20	1.06	0.332
			332578	9.20	9.75	0.55	0.673
			332579	9.75	10.67	0.92	0.009
			332580	10.67	11.77	1.10	0.009
			332581	11.77	12.80	1.03	0.023
			346850	12.80	13.62	0.82	0.130

LITHOLOGY REPORT
- Detailed -

Hole Number **86-32** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
13.66	14.02	**10qc** ***Quartz-carbonate Vein*** slightly x-cutting, wht mg qtz. minor carb, minor cg po	346851	13.62	14.05	0.43	1.763
14.02	19.02	**2r** ***Rusty Schist*** Metasediments	346852	14.05	15.00	0.95	0.149
			332582	15.00	16.34	1.34	0.435
			332583	16.34	17.37	1.03	0.655
			332584	17.37	18.11	0.74	0.455
			346853	18.11	18.99	0.88	0.629
19.02	19.26	**10qc** ***Quartz-carbonate Vein*** x-cut?, wht, fg qtz, irreg, minor po + py	346854	18.99	19.29	0.30	0.042
19.26	37.43	**2r** ***Rusty Schist*** sericite rich 63 - 68'; sericite rich 75 - 76', well fol, sulph ~2%, blebs of po/py along fol; rusty lt to dk grey; 92 - 117' coarser sericitic rock, v rusty sulph 2 - 5%, well fol @ 041, talcose along fol; 103.4' frag of cg py + carb (ankerite); ~108 - 110.5' competent rock, mod fol, no sericite, greenstone looking rock	346855	19.29	20.03	0.74	0.027
			332585	20.03	21.03	1.00	0.009
			332586	21.03	21.95	0.92	0.026
			332587	21.95	22.86	0.91	0.040
			332588	22.86	23.23	0.37	0.020
			332589	23.23	23.90	0.67	0.039
			332590	23.90	24.99	1.09	0.012
			332591	24.99	25.91	0.92	0.046

LITHOLOGY REPORT
- Detailed -

Hole Number **86-32** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			332592	25.91	26.88	0.97	0.014
			346856	26.88	27.49	0.61	0.016
			346857	27.49	27.80	0.31	0.036
			346858	27.80	28.77	0.97	0.007
			332593	28.77	29.69	0.92	0.028
			332594	29.69	30.72	1.03	0.011
			346859	30.72	31.36	0.64	0.012
			346860	31.36	31.67	0.31	0.314
			346861	31.67	32.64	0.97	0.012
			332595	32.64	33.71	1.07	0.011
			332596	33.71	35.05	1.34	0.010
			332597	35.05	36.24	1.19	0.025
			332598	36.24	37.19	0.95	0.015
37.43	54.68	**1** ***Mafic to Intermediate Volcanics (undif***	346862	37.19	37.73	0.54	0.091
		end of rustiness and sericite, dk grey, vfg, interlocking tex, dissem po but blebby, fg ~ 5 - 10% weak to mod fol @ 052, chl, weak to mod carbonatization; Qtz/carb vein @ 124.0', x-cut, 3.5 cm, lg blebs of po, minor py, tr cpy; 126 - 130' appears as a siliceous chl schist with fg gt starting at 128' with minor po, continuing off & on to ~134', this zone contains occ stringers; 135.0 - 135.6' grey granular conform sil zone, minor carb; 140.4 - 142.4' as above (135.0'); Qtz/carb vein @ 142.6', conform?, 2 cm, wht fg qtz, irreg, minor po; 143.4' grey gran sil zone, 8 cm	346863	37.73	38.04	0.31	0.115
			346864	38.04	38.71	0.67	0.030
			332599	38.71	39.93	1.22	0.299
			332601	39.93	41.42	1.49	0.038
			332602	41.42	42.34	0.92	0.033
			346866	42.34	42.76	0.42	0.032
			346867	42.76	43.28	0.52	0.016
			346868	43.28	43.59	0.31	0.145
			346869	43.59	44.26	0.67	0.537
			332603	44.26	45.20	0.94	0.241
			332604	45.20	46.15	0.95	0.310
			332605	46.15	47.06	0.91	0.083
			332606	47.06	48.34	1.28	0.120

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			332607	48.34	49.38	1.04	0.082
			332608	49.38	51.08	1.70	0.388
			332609	51.08	52.43	1.35	0.102
			332610	52.43	53.83	1.40	0.009
			346870	53.83	54.62	0.79	0.003
54.68	55.29	**10qc** ***Quartz-carbonate Vein*** x-cut @ 070, wht cg qtz, minor chl incl, fg phlogopite at upp ct, minor carb at lower ct with bio, tr py frac fill films	346871	54.62	55.38	0.76	0.003
55.29	55.47	**11s** ***Shear Zone*** well fol @ 055, blastomylonitic tex, bio rich, qtz + carb frags, tr fg dissem po + py					
55.47	55.53	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, 6 cm, m - cg wht qtz, minor carb, tr py + po, minor py frac fill films, irreg cts					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-32** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
55.53	76.20	**1** ***Mafic to Intermediate Volcanics (undif*** rock vfg just below vein above, grades to fg downhole (recrystallization?); unit becomes well silicified and carbonatizatio increases with depth; Qtz/carb vein @ 192.0', conform, 2.5 cm, sharp cts, NVS; 204 - 206' grey/wht gran sil zone sulph grading up to ~2 - 5% then back down; 206.0 - 206.8' grey gran conform sil zone, minor carb, NVS; 208 - 212' several contorted stringer frags; grey gran conform sil zone @ 217.0 - 220.7'; brecciated qtz/carb pcs along fol @ 232.7'; 233.7' - brecciation as above (232.7'), NVS; EOH @ 250'	346872	55.38	55.69	0.31	0.003
			346873	55.69	56.39	0.70	0.003
			332611	56.39	57.55	1.16	0.003
			332612	57.55	58.52	0.97	0.011
			332613	58.52	59.56	1.04	0.089
			332614	59.56	60.84	1.28	0.025
			332615	60.84	62.18	1.34	0.039
			332616	62.18	63.19	1.01	0.013
			332617	63.19	64.19	1.00	0.058
			332618	64.19	65.23	1.04	0.015
			332619	65.23	66.17	0.94	0.009
			332620	66.17	67.15	0.98	0.009
			332621	67.15	67.82	0.67	0.009
			332622	67.82	68.98	1.16	0.010
			332623	68.98	69.95	0.97	0.009
			332624	69.95	71.02	1.07	0.050
			332626	71.02	72.21	1.19	0.003
			332627	72.21	73.46	1.25	0.003
			332628	73.46	74.37	0.91	0.005
			332629	74.37	75.22	0.85	0.003
			332630	75.22	76.20	0.98	0.003

DRILL HOLE REPORT

Hole Number **86-36** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -70
Length: 103.63
Started:
Completed:
Logged: 16-Dec-16
Comment:

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298112.93
North: 4947264.61
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-70.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-36** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	0.61	**Ovb** ***Overburden*** casing to 2.0'					
0.61	9.88	**2r** ***Rusty Schist*** Phyllitic schists; f gr, med grey, sericitic, some crenulations and folding, compositional banding, minor dissem py	330411	4.57	5.58	1.01	0.003
			330412	5.58	6.74	1.16	0.003
			330413	6.74	7.25	0.51	0.003
			330414	7.25	8.11	0.86	0.003
			330415	8.11	9.66	1.55	0.003
9.88	10.15	**10qc** ***Quartz-carbonate Vein*** subparallel vein, core "catches" edge of vein; med gr, irreg, tr sulph					
10.15	12.80	**2r** ***Rusty Schist*** as above, fol 037 @ 35'	330416	9.66	10.67	1.01	0.003
			330417	10.67	11.37	0.70	0.011
			330418	11.37	12.59	1.22	0.007

LITHOLOGY REPORT
- Detailed -

Hole Number **86-36** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
12.80	17.22	**2** ***Meta-Pelitic Sediments (undifferentiat***	330419	12.59	13.72	1.13	0.003
		rusting ends, continues with minor dissem py/po; at 33.4' ss seam @ 030, v rusty, minor marcas	330420	13.72	14.94	1.22	0.079
			330421	14.94	15.70	0.76	0.015
			330422	15.70	16.37	0.67	0.076
			330423	16.37	17.13	0.76	0.051
17.22	17.71	**10qc** ***Quartz-carbonate Vein***	330424	17.13	17.74	0.61	29.044
		x-cut, wht med gr to grey f - med gr qtz, c gr carb, minor marcas, v minor py frac fill films					
17.71	24.57	**2** ***Meta-Pelitic Sediments (undifferentiat***	330426	17.74	18.47	0.73	0.015
		fol 035 @ 69'	330427	18.47	19.69	1.22	0.012
			330428	19.69	20.57	0.88	1.043
			330429	20.57	21.64	1.07	0.036
			330430	21.64	22.86	1.22	0.024
			330431	22.86	23.74	0.88	0.016
			330432	23.74	24.81	1.07	0.539
24.57	25.24	**2** ***Meta-Pelitic Sediments (undifferentiat***					
		silicified sericitic rich zone; dissem blebs of po along fol					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-36** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
25.24	25.30	**10qc** ***Quartz-carbonate Vein***	330433	24.81	25.79	0.98	0.017
		x-cut @ 080, wht f gr qtz, minor po, tr cpy + py					
25.30	26.85	**2** ***Meta-Pelitic Sediments (undifferentiat***	330434	25.79	26.64	0.85	0.074
		Metasediments					
26.85	26.88	**2** ***Meta-Pelitic Sediments (undifferentiat***					
		2.5 cm zone lg blebs of po with py + bornite; dissem po blebs minor constituent to ct with metavolcanics					
26.88	29.72	**2** ***Meta-Pelitic Sediments (undifferentiat***	330435	26.64	27.19	0.55	0.003
		Metasediments	330436	27.19	28.35	1.16	0.030
			330437	28.35	28.96	0.61	0.006
			330438	28.96	29.87	0.91	0.027
29.72	29.75	**10qc** ***Quartz-carbonate Vein***					
		conformable, but fol changes close to vein to make it conform, 3 - 4 cm, f gr wht qtz, minor carb, minor					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		po/py blebs, tr cpy (tr galena?)					
29.75	33.22	**2** ***Meta-Pelitic Sediments (undifferentiat*** Metasediments	330439	29.87	30.88	1.01	0.014
			330440	30.88	31.58	0.70	0.022
			330441	31.58	32.43	0.85	0.021
			330442	32.43	33.53	1.10	0.034
33.22	33.74	**2** ***Meta-Pelitic Sediments (undifferentiat*** blk bio increases to 15 - 20%, minor gt porphoblasts 0.5 - 1.5 mm (upto 3 mm) diam; cut piece of core 110 - 110.4' for bulk analysis					
33.74	34.44	**2** ***Meta-Pelitic Sediments (undifferentiat*** biotite/garnet schist; gt v fg to f gr (0.1 - 1 mm diam); 110.8' Qtz/carb vein, 8 cm, conform, f gr, NVS	330443	33.53	34.47	0.94	0.082

LITHOLOGY REPORT
- Detailed -

Hole Number **86-36** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
34.44	44.20	**1** ***Mafic to Intermediate Volcanics (undif*** upper ct diffuse, med grn/grey, mod to strong fol, well carbonatized; grey gran conform sil zones at 119', 125.4'; conform qtz/carb veins at 123.8', 127.1', 128.0', 139.5', all f - med gr qtz, chl incl, tr - no sulph	330444	34.47	35.63	1.16	0.007
			330445	35.63	36.52	0.89	0.003
			330446	36.52	37.58	1.06	0.007
			330447	37.58	38.56	0.98	0.013
			330448	38.56	39.50	0.94	0.003
			330449	39.50	40.69	1.19	0.013
			330451	40.69	41.54	0.85	0.003
			330452	41.54	42.67	1.13	0.003
			330453	42.67	43.31	0.64	0.003
			330454	43.31	44.10	0.79	0.003
44.20	44.32	**1** ***Mafic to Intermediate Volcanics (undif*** sil zone with sheared vein?, v rusty (py/marcas), f gr grey qtz, conform?	330455	44.10	44.41	0.31	0.124
44.32	51.82	**1** ***Mafic to Intermediate Volcanics (undif*** x-cut Qtz/carb vein, 1-3 cm @ 148.0', contorted, f gr, NVS	330456	44.41	45.05	0.64	0.019
			330457	45.05	45.93	0.88	0.003
			330458	45.93	47.24	1.31	0.003
			330459	47.24	47.98	0.74	0.003
			330460	47.98	48.77	0.79	0.003
			330461	48.77	49.53	0.76	0.003
			330462	49.53	50.29	0.76	0.055
			330463	50.29	51.11	0.82	0.048
			330464	51.11	51.82	0.71	0.045
51.82	57.61	**LC** ***Lost Core***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		missing box 10 170 - 189'					
57.61	58.80	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	330465	57.61	58.70	1.09	0.091
58.80	58.98	**10qc** ***Quartz-carbonate Vein*** x-cut, wht, f-med gr, minor carb, minor po at cts, chl incl, v minor py frac fill film	330466	58.70	59.01	0.31	0.645
58.98	67.51	**1** ***Mafic to Intermediate Volcanics (undif*** dissem po blebs increase to ~2% between 210 - 216'; weak fol to massive	330467	59.01	59.41	0.40	0.128
			330468	59.41	60.44	1.03	0.096
			330469	60.44	61.48	1.04	0.059
			330470	61.48	62.24	0.76	0.037
			330471	62.24	63.37	1.13	0.261
			330472	63.37	64.31	0.94	0.112
			330473	64.31	64.86	0.55	0.261
			330474	64.86	65.93	1.07	0.102
			330476	65.93	66.75	0.82	0.031

LITHOLOGY REPORT
- Detailed -

Hole Number **86-36** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			330477	66.75	67.48	0.73	0.009
67.51	67.76	**10qc** ***Quartz-carbonate Vein*** x-cut?, irreg, f gr, chl incl, minor bio incl, 3mm bio at lower ct, NVS					
67.76	69.01	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	330478	67.48	68.31	0.83	0.022
			330479	68.31	68.95	0.64	0.012
69.01	69.13	**10qc** ***Quartz-carbonate Vein*** cts?, med gr, chl incl, tr carb, tr po + py; lower ct shows wht/grey f gr gran sil zone with abundant wall rock + chl incl, dissem po					
69.13	70.71	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	330480	68.95	69.92	0.97	0.003
			330481	69.92	71.02	1.10	0.010

LITHOLOGY REPORT
- Detailed -

Hole Number **86-36** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
70.71	70.81	**1** ***Mafic to Intermediate Volcanics (undif*** several qtz veins 0.5 - 1.0 cm and vein frags, becciated					
70.81	71.11	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
71.11	71.26	**1** ***Mafic to Intermediate Volcanics (undif*** zone similar to 232.0 - 232.3', conform to 025, tr po	330482	71.02	71.32	0.30	0.096
71.26	89.92	**1** ***Mafic to Intermediate Volcanics (undif*** 5 cm irreg brecciated silicified zone, tr sulph @ 283.3'	330483	71.32	71.63	0.31	0.006
			330484	71.63	72.54	0.91	0.051
			330485	72.54	73.61	1.07	0.003
			330486	73.61	74.68	1.07	0.016
			330487	74.68	75.65	0.97	0.003
			330488	75.65	76.69	1.04	0.003
			330489	76.69	77.72	1.03	0.003
			330490	77.72	78.58	0.86	0.003

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			330491	78.58	79.64	1.06	0.003
			330492	79.64	80.77	1.13	0.005
			330493	80.77	81.84	1.07	0.003
			330494	81.84	82.84	1.00	0.023
			330495	82.84	83.52	0.68	0.015
			330496	83.52	84.70	1.18	0.078
			330497	84.70	85.65	0.95	0.013
			330498	85.65	86.20	0.55	0.022
			330499	86.20	86.50	0.30	0.041
			331001	86.50	86.90	0.40	0.105
			331002	86.90	88.03	1.13	0.006
			331003	88.03	88.79	0.76	0.003
			331004	88.79	89.76	0.97	0.003
89.92	89.95	**10qc** ***Quartz-carbonate Vein*** x-cut, 4 cm, wht med gr, wall incl (shearing?), minor carb, tr sulph					
89.95	93.57	**1** ***Mafic to Intermediate Volcanics (undif*** 2.5 cm f gr qtz/carb veins at 299.1' and 300.1', conform @ 050 degrees, NVS; weakly fol to massive, well carbonatized to EOH	331005	89.76	90.31	0.55	0.003
			331006	90.31	91.35	1.04	0.003
			331007	91.35	92.42	1.07	0.005
			331008	92.42	92.99	0.57	0.014
			331009	92.99	93.45	0.46	0.008

Hole Number **86-36** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
93.57	93.88	**10qc** ***Quartz-carbonate Vein*** x-cut @ 070, wht med gr qtz, minor carb, v minor py frac fill films, tr po	331010	93.45	94.18	0.73	0.003
93.88	94.58	**1** ***Mafic to Intermediate Volcanics (undif*** conform qtz/carb vein, 2.5 cm at 308.2',					
94.58	94.61	**10qc** ***Quartz-carbonate Vein*** conform?, wht med gr qtz, abundant wall rock + chl incl, c gr po, minor py + cpy					
94.61	94.98	**1** ***Mafic to Intermediate Volcanics (undif*** occ qtz/carb veins conform, tr sulph	331011	94.18	95.04	0.86	7.288
94.98	95.01	**10qc** ***Quartz-carbonate Vein*** conform?, wht med - c gr, minor c gr po with py + cpy, abundant wall rock + chl incl, ragged cts; wall rock					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		is enriched in po + py through this zone					
95.01	97.38	**1** ***Mafic to Intermediate Volcanics (undif***	331012	95.04	95.52	0.48	0.026
		313.6' and 316.2' 3.5 cm qtz/carb veins, f gr, tr sulph	331013	95.52	96.50	0.98	0.039
			331014	96.50	97.35	0.85	0.011
97.38	97.41	**10qc** ***Quartz-carbonate Vein***					
		x-cut @ 060, 5 cm vein, irreg cts, f gr, minor po/py, chl incl					
97.41	102.35	**1** ***Mafic to Intermediate Volcanics (undif***	331015	97.35	97.87	0.52	0.037
		fol @ 048, mod to weak	331016	97.87	98.45	0.58	0.230
			331017	98.45	99.61	1.16	0.064
			331018	99.61	100.37	0.76	0.044
			331019	100.37	101.16	0.79	0.096
			331020	101.16	101.80	0.64	0.137
			331021	101.80	102.26	0.46	0.122
102.35	102.41	**10qc** ***Quartz-carbonate Vein***					
		x-cut @ 075, wht, med gr, minor po + cpy, v minor py frac fill films					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-36** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
102.41	103.63	**1** ***Mafic to Intermediate Volcanics (undif*** massive tex; EOH @ 340'	331022	102.26	102.57	0.31	0.279
			331023	102.57	103.02	0.45	0.025
			331024	103.02	103.63	0.61	0.162

DRILL HOLE REPORT

Hole Number **86-39** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 121.92
Started:
Completed:
Logged: 02-Dec-16
Comment:

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298033.76
North: 4947335.93
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-39** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.52	**Ovb** ***Overburden*** brokn core to ~ 10'					
1.52	10.70	**1** ***Mafic to Intermediate Volcanics (undif*** fg, grn to grey/grn GS, weak to mod @ 040, pervasively poor carbonatized down to ~ 22'; Qtz/carb seam/stringer @ 19.6', 3 mm, x-cut @ 080, NVS; greyfg granular sil zone @ 21.5 - 22.5', wht/grey fg gran zone @ 23.8', 7 cm, NVS; Qtz/carb vein @ 28.1', x-cut @ 080, 3 mm, NVS; start of highly carbonatized core at 29.4';	331025	2.23	3.26	1.03	0.051
			331027	3.26	4.08	0.82	0.035
			331028	4.08	5.30	1.22	0.031
			331029	5.30	6.37	1.07	0.003
			331030	6.37	7.62	1.25	0.378
			331031	7.62	8.63	1.01	0.139
			331032	8.63	9.75	1.12	0.006
			331033	9.75	10.70	0.95	0.003
10.70	11.06	**LC** ***Lost Core*** Lost core					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-39** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
11.06	61.66	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 37.6', x-cut @070, 2.5 cm, wht fg qtz, sharp, tr sulph; 42.0' ~2.5 cm of grd core, no alt or mineralization; Qtz/carb vein @ 45.7', x-cut @ 080, 5 mm, wht mg qtz, minor carb, NVS; Qtz/carb vein @ 51.2', x-cut @ 080, 3 mm, wht mg qtz, NVS; 64.9' discontinuous vein/stringer, x-cut @ 080, 5 mm,NVS; wht/grey fg gran sil zone @ 65.5 - 70.5', encloses qtz/carb vein @ 66.7', x-cut 080, 5 mm, wht f - mg qtz, tr sulph; Qtz/carb vein @ 75.7', x-cut @ 045 against fol, 6 cm, wht m - cg qtz, NVS; Qtz/carb vein @ 78.2', x-cut @ 075, 1 cm, wht mg qtz, NVS; Qtz/carb vein @ 78.9', as above (78.2'); Qtz/carb vein @ 83.7', as above (78.2'), 3 mm; Qtz/carb vein @ 84.5', x-cut 080, 2.5 cm, wht mg qtz, NVS; Carb vein @ 88.5', 4 mm, wht mg cal, conform @ 040, NVS; grey/wht fg gran sil zone @ 91 - 92', tr sulph, abundant chl + wall incl along fol; Qtz/carb vein @ 94.6', x-cut, 2.5 cm, wht f - mg qtz, minor carb, chl incl, minor blk tour, minor fg po/py; Qtz/carb vein @ 96.2', x-cut @ 060, 2.5 cm, wht mg qtz, chl incl, minor po, v minor py frac fill films; grey/wht fg gran sil zone @ 104.5 - 105.5', conform, NVS; wht/grey gran sil zone @ 110.1 - 110.4', NVS; 112.5 - 113.5', zone with several stringers ~ 5mm ea, tr sulph, and 1 cm gran qtz/carb vein, chl incl, tr py; Qtz stringer @ 118.1', x-cut @ 080, 2 mm, minor po; grey/wht fg gran sil zone @ 119.0', 15 cm, 120.0' several thin stringers of qtz/carb minor po/py, v minor py frac fill films; Qtz/carb vein @ 123.5', x-cut, 1 cm, wht mg qtz, mg po, marcas, py; seam carb/py/po @ 133.0', 3 mm, x-cut @ 070; 134 - 155' well silicified grey coloured core with occ thin bio bands; grey fg gran sil zone 134.6 - 135.6'; grey gran sil zone @ 136.7 - 138.6' with occ diffuse bio bands; 137.3 - 137.5', sil zones with diffuse bio bands as above; 148.9 - 150.0' zone of bio rich well fol rock, highly silicified and mineralized by py, po and cpy fg dissem blebs and lg blebs up to 3 - 8 mm across, gt porphyblasts 0.5 - 1.0 mm, up to 1.5 mm across, chl and wall incl (shear zone ?), well carbonatized; Qtz/carb vein @ 154.8', x-cut @ 045 against fol, 1 cm, wht m - fg qtz, abundant chl, minor carb, NVS; wht/grey fg gran sil zone @ 158.1 - 159.1', conform @ 020, abundant chl + wall incl along fol; well silicified 167 - 168'; grey/wht fg gran sil zone @ 172.7 - 173.5', encloses conform ss @ 172.8', at 030, v minor carb, numerous thin stringers under ss to ~180'; core becomes massive looking; "S" type folding @ 183.5'; Qtz/carb vein @ 196.0', conform, 2.5 cm, sharp, chl incl, tr sulph; qtz/carb vein @ 201.6', x-cut, 1.5 cm, wht mg qtz, minor carb, chl incl, sharp, NVS;	331034	11.06	12.19	1.13	0.003
			331035	12.19	13.20	1.01	0.003
			331036	13.20	14.14	0.94	0.003
			331037	14.14	15.27	1.13	0.003
			331038	15.27	16.46	1.19	0.003
			331039	16.46	17.77	1.31	0.012
			331040	17.77	18.90	1.13	0.037
			331041	18.90	19.96	1.06	0.007
			331042	19.96	20.97	1.01	0.028
			331043	20.97	22.25	1.28	0.003
			331044	22.25	23.23	0.98	0.007
			331045	23.23	24.66	1.43	0.003
			331046	24.66	25.91	1.25	0.003
			331047	25.91	26.61	0.70	0.003
			331048	26.61	27.31	0.70	0.003
			331049	27.31	28.10	0.79	0.003
			331051	28.10	29.35	1.25	0.006
			331052	29.35	30.48	1.13	0.005
			331053	30.48	31.39	0.91	0.006
			331054	31.39	32.49	1.10	0.008
			331055	32.49	33.53	1.04	0.003
			331056	33.53	34.59	1.06	0.003
			331057	34.59	35.36	0.77	0.029
			331058	35.36	36.00	0.64	0.044
			331059	36.00	36.42	0.42	0.023
			331060	36.42	36.73	0.31	0.785
			331061	36.73	37.19	0.46	0.021

LITHOLOGY REPORT
- Detailed -

Hole Number **86-39** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			331062	37.19	37.80	0.61	0.033
			331063	37.80	38.31	0.51	0.184
			331064	38.31	39.50	1.19	0.108
			331065	39.50	40.23	0.73	0.434
			331066	40.23	41.39	1.16	0.217
			331067	41.39	42.40	1.01	0.017
			331068	42.40	43.28	0.88	0.005
			331069	43.28	44.44	1.16	0.003
			331070	44.44	45.23	0.79	0.003
			331071	45.23	45.87	0.64	0.084
			331072	45.87	46.57	0.70	0.003
			331073	46.57	47.12	0.55	0.003
			331074	47.12	48.43	1.31	0.003
			331076	48.43	49.38	0.95	0.073
			331077	49.38	50.47	1.09	0.123
			331078	50.47	51.60	1.13	0.008
			331079	51.60	52.43	0.83	0.066
			331080	52.43	53.52	1.09	0.132
			331081	53.52	54.59	1.07	0.063
			331082	54.59	55.47	0.88	0.077
			331083	55.47	56.42	0.95	0.093
			331084	56.42	57.45	1.03	0.008
			331085	57.45	58.52	1.07	0.069
			331086	58.52	59.62	1.10	0.029
			331087	59.62	60.75	1.13	0.009
			331088	60.75	61.87	1.12	0.032
61.66	61.84	**10q** ***Quartz Vein***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		conform, wht fg qtz, gran, chl incl, NVS					
61.84	73.37	**1** ***Mafic to Intermediate Volcanics (undif*** 202.9 - 203.5', chaotic zone, minor brecc, elevated chl and carb content; 205.0 - 211.5' zone of elevated chl, soft core, mod fol, dissem po + py ~ 5%, tr cpy; wht fg gran sil zone @ 226.6 - 227.5', conform, NVSQtz/carb vein @ 229.3', x-cut slightly, tr sulph; Seam of fg qtz + minor py + marcas @ 233.1', 3 - 4 mm, rusty	331089	61.87	63.03	1.16	0.087
			331090	63.03	64.01	0.98	0.070
			331091	64.01	65.04	1.03	0.019
			331092	65.04	66.14	1.10	0.003
			331093	66.14	67.42	1.28	0.016
			331094	67.42	68.46	1.04	0.018
			331095	68.46	69.37	0.91	0.008
			331096	69.37	70.62	1.25	0.036
			331097	70.62	71.38	0.76	0.003
			331098	71.38	72.42	1.04	0.025
			331099	72.42	73.37	0.95	0.006
73.37	73.49	**LC** ***Lost Core*** missing core piece(s)					
73.49	74.22	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz vein @ 241.4', conform?, 0.5 cm, NVS; Qtz vein @ 242.0', 3 mm, NVS; qtz frag @ 242.8', NVS	331101	73.49	74.16	0.67	0.011

LITHOLOGY REPORT
- Detailed -

Hole Number **86-39** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
74.22	74.98	**10qc** ***Quartz-carbonate Vein*** upp ct conform, lower looks x-cut, mostly massive wht mg qtz, v minor carb, minor fg py frac fill films, occ wall frag incl, tr sericite at cts	331102	74.16	75.01	0.85	0.003
74.98	115.21	**1** ***Mafic to Intermediate Volcanics (undif*** massive looking, dk grn; carbonatization drops to poor at ~ 252'; core grades to grey/grn ~ 275'; 284.3 - 284.6', zone of silica and vfg epidote alt with occ carb smears and extremely fine frac fill; 285.7 - 286.2' zone as above (284.3'); 286 - 303' occ diffuse bands & patches of epidote alt, generaly conform, occ blebs po; 302.4' 1.5 - 2.5 cm band of epidote rich core, diffuse cts, tr blebs fg po, epidote alt sporadic to ~ 322'; 322 - 334' weak to mod silicification, minor epidote alt; 332 - 342' fol mod to strong @ 038, gradational (minor shear?); Qtz/carb vein @ 343.5', conform, slightly sheared, 5 - 7 cm, abundant wall + chl incl along fol, wht mg qtz, ragged cts, NVS, below vein 5 - 8 cm zone of wht qtz frags; 347 - 369' zone of many thin (2 - 4 mm) x-cutting qtz stringers; Qtz/carb vein @ 363.4', 2.5 cm, conform, wht mg qtz, irreg, ragged cts, chl incl, minor diffuse vfg epidote; Carb/qtz vein @ 366.8', fg, chl + wall incl along fol, minor py, ss at lower ct; Qtz/carb vein @ 368.4', x-cut @ 080, 2.5 cm, wht mg qtz, minor py blebs; Qtz/carb vein @ 371.1', x-cut @ 075, 2.5 cm, f - mg qtz, tr py frac fill films; Qtz/carb vein @ 375.3', conform?, 5 cm, wht mg qtz, tr py	331103	75.01	76.08	1.07	0.003
			331104	85.62	86.53	0.91	0.003
			331105	86.53	87.69	1.16	0.003
			331106	87.69	89.00	1.31	0.003
			331107	89.00	90.07	1.07	0.009
			331108	90.07	91.29	1.22	0.012
			331109	91.29	92.35	1.06	0.015
			331110	113.39	114.12	0.73	0.003
			331111	114.12	115.06	0.94	0.003
115.21	117.26	**1** ***Mafic to Intermediate Volcanics (undif*** igneous tex, massive looking, fg but coarser than rest of core, (0.5 - 1.0 mm), recrystallized look, bio flakes at random orientations, blk amph ~ 0.5 - 2 mm, minor dissem py cubes 0.25 - 1.2 mm, do not see fsp, fine 1 mm sized cross frac of cal (+ qtz?), slightly spotted appearance with 1 - 4 mm frags of GS	331112	115.06	116.43	1.37	0.003
			331113	116.43	117.10	0.67	0.003

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		through bio/amph matrix, recrystallized fault material?, upper ct ss @ 030, lower ct app grational					
117.26	121.92	**1** ***Mafic to Intermediate Volcanics (undif*** grey/grn, mod fol GS, fol @035; EOH @ 400.0'					

DRILL HOLE REPORT

Hole Number **86-40** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 121.92
Started:
Completed:
Logged: 16-Nov-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: This log has detailed hole survey
20' - 45 degrees
100' - 42.5
200' - 42.5
300' - 39
400' - 39 degrees

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298122.17
North: 4947413.29
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-40** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	0.61	**Ovb** ***Overburden*** Overburden					
0.61	1.01	**1** ***Mafic to Intermediate Volcanics (undif*** med grn, fg greenstone, mod fol, zones of few stringers to zones of mod number of stringers, zones of minor bio					
1.01	3.05	**10qc** ***Quartz-carbonate Vein*** conform?, upp ct - weathered, carb weathered out (pitted), wht mg qtz, NVS, middle of vein qtz is fg with minor blk tour prisms and ~7 - 12 cm zone of wht fg dolomite or barite (no carb reaction apparent) containing frags up to 1 cm of wht mg qtz + chl with dk grn amph (act) + tour + fg dissem py, lg wall incl (05 x 4.0 cm), vein middle - wall frags, 1 cm vug (weathered out carb?), mg wht qtz, tr py frac fill films, tr py, chl incl, at 7.0' wedge of vfg chl rich gs, lower ct - mg wht qtz/carb, chl incl, weathered cavities, tr po/py					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-40** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
3.05	8.84	**1** ***Mafic to Intermediate Volcanics (undif***	346874	3.08	4.27	1.19	0.003
		grey granular conform sil zone @ 25.9', 6 cm	332631	4.27	5.43	1.16	0.003
			332632	5.43	6.71	1.28	0.003
			332633	6.71	8.02	1.31	0.003
8.84	9.72	**11s** ***Shear Zone***	332634	8.02	9.85	1.83	0.003
		multiple smears and stringer frags					
9.72	9.75	**11f** ***Fault Zone***					
		2.5 cm zone broken core, several ss surfaces					
9.75	10.36	**11s** ***Shear Zone***	346875	9.85	10.64	0.79	0.003
		multiple smears and stringer frags; Qtz/carb vein @ 32.7', x-cut, irreg, 3 - 5 mm, contorted, fg grey qtz, minor fg po; 33.3' as above (32.7'); Qtz/carb vein @ 33.9', sharp, NVS					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
10.36	39.44	**1** ***Mafic to Intermediate Volcanics (undif*** weak fol; 37 - 43' various "(6) thin veins (1 - 2 cm) of qtz/carb, conform, tr to NVS; 64- 65' fg epidote patch in silicified zone; 80.6 - 81.2' grey gran conform sil zone with patchy fg epidote, NVS; massive tex; grey gran zone @86.9 - 88.0' with minor epidote; Qtz/carb vein @ 93.6', x-cut @ 080, 5 mm, tr po; Qtz/carb vein @ 96.4', as above (93.6'); Qtz/carb vein @ 105.6', conform, 8 cm, chl incl, NVS; well fol @ 052 106.0' - 112.6'; Qtz/carb vein @ 106.9', conform, 1 cm, wht mg qtz, fg carb, wall incl, mg bio at cts, upp ct shows tr blk amph prisms, NVS	332635	10.64	11.70	1.06	0.003
			332636	11.70	12.80	1.10	0.003
			332637	12.80	14.08	1.28	0.003
			332638	14.08	15.18	1.10	0.003
			332639	15.18	16.55	1.37	0.003
			332640	16.55	17.43	0.88	0.003
			332641	17.43	18.71	1.28	0.003
			332642	18.71	19.93	1.22	0.003
			332643	19.93	21.21	1.28	0.003
			332644	21.21	22.25	1.04	0.003
			332645	22.25	23.32	1.07	0.003
			332646	23.32	24.02	0.70	0.003
			332647	24.02	24.99	0.97	0.003
			332648	24.99	26.21	1.22	0.003
			332649	26.21	27.25	1.04	0.003
			332651	27.25	28.44	1.19	0.003
			332652	28.44	29.87	1.43	0.003
			332653	29.87	31.15	1.28	0.003
			332654	31.15	32.31	1.16	0.003
			332655	32.31	33.62	1.31	0.003
			332656	33.62	34.84	1.22	0.003
			332657	34.84	36.00	1.16	0.003
			332658	36.00	37.19	1.19	0.003
			332659	37.19	38.22	1.03	0.003
			346876	38.37	39.35	0.98	0.003
39.44	39.50	**10q** ***Quartz Vein*** x-cut @ 085, 7 cm, f - mg wht qtz, chl incl, minor blebs po/py, sharp cts	346877	39.35	39.65	0.30	0.132

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
39.50	44.41	**1** ***Mafic to Intermediate Volcanics (undif***	346878	39.65	40.84	1.19	0.117
		3 Qtz veins between 134.2 - 134.8', 1 cm ea, conform, NVS; Qtz vein @ 137.8' conform, 2.5 cm, wht fg qtz, chl incl, NVS; Qtz vein @ 138.4', conform, 7 cm, fg, NVS	346879	40.84	41.15	0.31	0.018
			332660	41.15	41.97	0.82	0.003
			332661	41.97	42.98	1.01	0.003
			332662	42.98	43.86	0.88	0.003
44.41	44.44	**10qc** ***Quartz-carbonate Vein***	332663	43.86	45.02	1.16	0.003
		x-cut @ 050 against fol, 1 - 2 cm, fg, abundant chl incl, tr po					
44.44	45.87	**1** ***Mafic to Intermediate Volcanics (undif***	332664	45.02	45.63	0.61	0.299
		Qtz vein @ 147.6', conform, 5 mm, fg, NVS	346880	45.63	46.02	0.39	0.003
45.87	45.90	**10qc** ***Quartz-carbonate Vein***					
		x-cut, 3 - 5 mm, wht fg, minor grn amph prisms (act), tr po/py					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
45.90	55.32	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 171.0', x-cut?, 1 cm, wht/grey fg qtz, abundant chl + wall incl along fol, minor blebs py/po; Qtz/carb/po seam @ 174.6', x-cut?, 5 mm, fg	332665	46.02	47.49	1.47	0.003
			332666	47.49	48.92	1.43	0.003
			332667	48.92	49.93	1.01	0.003
			332668	49.93	51.24	1.31	0.003
			332669	51.24	52.43	1.19	0.342
			332670	52.43	53.80	1.37	0.013
			332671	53.80	55.14	1.34	0.003
			346881	55.14	55.47	0.33	0.003
55.32	55.35	**10qc** ***Quartz-carbonate Vein*** x-cut?, 2 cm, wht fg cal with grn act up to 5 mm long, wht fg qtz, minor blebs po/py					
55.35	58.13	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 185.4', conform, 2 cm, wht mg qtz, sharp cts, tr carb, NVS; ~189' numerous qtz/carb stringers conform	332672	55.47	56.69	1.22	0.003
			332673	56.69	57.88	1.19	0.003
58.13	58.16	**10qc** ***Quartz-carbonate Vein*** x-cut, 3 - 5 mm, irreg, fg qtz/carb, minor po/py, tr micro cubes py					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
58.16	69.07	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 192.5', x-cut, 1 cm, fg, tr py; grey gran conform (050) sil zone @ 194.8', 3 cm; Qtz/carb vein @ 197.3', conform, 2.5 cm, fg gran qtz, numerous wall + chl incl along fol, qtz frags in carb, NVS; grey gran zone @ 206.6', 2.5 cm; numerous thin stringers 210.5 - 211.6', all conform; fol @ 035 above 211.0', fol @ 051 below this point; 220.0 - 221.6' - several thin (2 - 3 mm) discontinuous low angle veinlets, fg wht cal (~010), NVS; Qtz/carb vein @ 223.4', conform, 2 cm, wht mg qtz, NVS	332682	67.57	68.61	1.04	0.003
			346882	57.88	58.52	0.64	0.027
			346883	58.52	58.92	0.40	0.003
			332674	58.92	60.26	1.34	0.003
			332675	60.26	61.57	1.31	0.003
			332677	61.57	62.91	1.34	0.003
			332678	62.91	64.16	1.25	0.003
			332679	64.16	65.23	1.07	0.003
			332680	65.23	65.99	0.76	0.003
			332681	65.99	66.90	0.91	0.003
			346884	66.90	67.57	0.67	0.003
69.07	69.49	**10qc** ***Quartz-carbonate Vein*** conform, wht m - cg qtz, chl + wall incl, minor carb at lower ct, tr py	332683	68.61	69.74	1.13	0.003
69.49	70.16	**1** ***Mafic to Intermediate Volcanics (undif*** carbonatization weak to ~236'	332684	69.74	70.53	0.79	0.003

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
70.16	70.20	**10qc** ***Quartz-carbonate Vein*** x-cut, 1 cm, minor qtz, fg, chl incl, tr vfg po					
70.20	73.76	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 232.9', 2 cm, boudinaged, NVS; carbonatization increases at 236' to mod to strong until 248' then drops off;	332685	70.53	71.41	0.88	0.003
			332686	71.41	72.48	1.07	0.003
			332687	72.48	73.70	1.22	0.003
73.76	75.29	**11s** ***Shear Zone*** unit becomes well fol @ 053, with occ qtz/carb frags along fol; Qtz vein @ 242.3', conform, 4 cm, wht fg qtz, chl incl, NVS; Qtz/carb vein @ 244.6', conform, 5 cm, wht fg qtz, abundant chl + wall incl, tr po	332688	73.70	74.80	1.10	0.003
75.29	79.25	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 255.6', conform, 1.5 cm, wht fg qtz, chl incl, NVS; Qtz/carb vein @ 259.1', conform, 5 cm, wht mg qtz, wall incl along fol, minor fg carb, NVS; Qtz/carb vein @ 259.8', conform @ 045, 12 cm, wht fg qtz, wall + chl incl, tr po	332689	74.80	76.20	1.40	0.025
			332690	76.20	77.57	1.37	0.037
			332691	77.57	78.82	1.25	0.051

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
79.25	80.16	**11s** ***Shear Zone*** as with 242 - 247', unit becomes well fol @ 050 - 053, with occ frags along fol; carbonatization poor to mod	332692	78.82	79.86	1.04	0.003
80.16	82.60	**1** ***Mafic to Intermediate Volcanics (undif*** unit returns to weak fol to massive tex; Qtz/carb vein @ 269.7', conform, 5 cm, fg, chl + wall incl along fol, tr po; Qtz/carb vein @ 270.5' , conform, 7 cm, wht m - cg qtz, wall + chl incl along fol, NVS	332693	79.86	80.65	0.79	0.015
			332694	80.65	81.44	0.79	0.003
			346885	81.44	82.36	0.92	0.041
			346886	82.36	82.66	0.30	0.011
82.60	83.36	**1** ***Mafic to Intermediate Volcanics (undif*** massive, appears as fg diorite rock, fg dissem sulph ~0.5%; v weak to no carbonatization	346887	82.66	83.45	0.79	0.096
83.36	84.16	**1** ***Mafic to Intermediate Volcanics (undif*** v weak carbonatization					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
84.16	84.19	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, 2.5 cm, wht mg qtz, minor blebs po/py, minor shearing at cts	332695	83.45	84.92	1.47	0.054
84.19	84.31	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
84.31	86.87	**1** ***Mafic to Intermediate Volcanics (undif*** massive igneous tex diorite	332696	84.92	86.17	1.25	0.010
86.87	92.60	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 300.8', conform, 3 cm, wall incl along fol,, NVS; Qtz/carb vein @ 303.4', conform, 2.5 cm, fg, NVS	332697	86.17	87.78	1.61	0.088
			332698	87.78	89.00	1.22	0.080
			332699	89.00	90.22	1.22	0.012
			332701	90.22	91.38	1.16	0.423
			332702	91.38	92.66	1.28	0.368

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
92.60	93.09	**11s** ***Shear Zone*** well fol @045, minor frags					
93.09	96.10	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 310.6', conform, 2 cm, fg gran qtz, wall incl, tr vfg dissem po; below vein for ~ 20 cm is v weak fol rock with fine spider-like frac with cal, sulph ~ 1 - 2%, po, minor py	332703	92.66	93.88	1.22	0.162
			332704	93.88	94.06	0.18	0.311
			346888	94.06	94.52	0.46	0.124
			346889	94.52	94.82	0.30	0.116
			346891	94.82	95.49	0.67	0.206
			332705	95.49	96.04	0.55	0.408
96.10	96.26	**11s** ***Shear Zone*** well fol, well carbonatized, numerous thin smears and stringers, tr vfg sulph					
96.26	100.10	**1** ***Mafic to Intermediate Volcanics (undif*** weak carbonatization & fol; Qtz/carb vein @ 318.2', conform, 5 cm, wht fg qtz, NVS; Qtz/carb vein @ 321.0', conform, 2 cm, fg, NVS	332706	96.04	96.93	0.89	0.206
			332707	96.93	98.15	1.22	0.279
			332708	98.15	99.06	0.91	0.416
			332709	99.06	100.19	1.13	0.146

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
100.10	100.13	**11f** ***Fault Zone*** weathered joint surfaces, space?, minor core grinding, no alteration or mineralization					
100.13	104.55	**1** ***Mafic to Intermediate Volcanics (undif*** weak to mod carbonatization to 332', v weak after to 346'; 340.4' - 15 cm zone of semimassivepy, patchy intricate fingering blebs with minor po in vfg matrix of black igneous rock, slightly recrystallized with fg bio up to 2% and brecciated frags 3 - 5 mm of carb, tr cpy; Qtz/carb vein @ 341.1', conform, 5 mm, wht fg qtz, wall incl, minor po/py	332710	100.19	101.29	1.10	0.058
			332711	101.29	102.47	1.18	0.050
			332712	102.47	102.87	0.40	0.302
			346892	102.87	103.69	0.82	0.217
			346893	103.69	104.00	0.31	0.234
			346894	104.00	104.82	0.82	0.062
104.55	104.82	**11s** ***Shear Zone*** brecciated frags of qtz + carb + wall incl along fol, fg, NVS					
104.82	105.92	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	332713	104.82	105.77	0.95	0.229

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
105.92	106.50	**11s** ***Shear Zone*** zone of vfg chl rich rock, slightly coarser (recrystallized?), with numerous stringer frags; 347.7' weathered joint surfaces with minor core grinding similar to 328.4'	332714	105.77	106.77	1.00	0.097
106.50	121.92	**1** ***Mafic to Intermediate Volcanics (undif*** brecciated qtz/carb vein @ 352 - 353', diffuse frags in grey gran siliceous zone, tr sulph; weathered joint with minor core grinding @ 365.6'; unit becomes massive ign tex (diorite - ~2 - 5% wht fsp, minor chl/act, fg dissem po + py), tough dense rock; Qtz vein @ 391.1', conform?, 5 mm, wht mg qtz, NVS; EOH @ 400'	332715	106.77	107.90	1.13	0.166
			332716	107.90	108.81	0.91	0.074
			332717	108.81	110.15	1.34	0.182
			332718	110.15	111.19	1.04	0.100
			332719	111.19	112.47	1.28	0.132
			332720	112.47	113.72	1.25	0.279
			332721	113.72	114.76	1.04	0.090
			332722	114.76	116.01	1.25	0.261
			332723	116.01	117.41	1.40	0.059
			332724	117.41	118.69	1.28	0.027
			332726	118.69	119.88	1.19	0.022
			332727	119.88	120.40	0.52	0.018

DRILL HOLE REPORT

Hole Number **86-41** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 114.3
Started:
Completed:
Logged: 16-Nov-16

Comment: This log has detailed hole survey
204.0' - 45 degrees
375' - 44.5 degrees

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Coordinate - Gemcom
East: 298081.09
North: 4947391.12
Elev.: 0

Coordinate - UTM
East: 298081.09
North: 4947391.12
Elev.: 0
Zone: 18 **NAD:** NAD83

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.83	**Ovb** ***Overburden*** Overburden					
1.83	7.89	**1** ***Mafic to Intermediate Volcanics (undif*** grn/grey, fg greenstone mod fol @ 042, strong carbonatization down to 46', fewstringers; Qtz/carb vein @ 14.5', 3 cm, chl incl, NVS; Qtz vein @ 19.9', conform, 7 cm, wht mg qtz, ragged cts, numerous wall incl along fol, NVS	346895	5.61	6.25	0.64	0.003
			346896	6.25	6.55	0.30	0.008
			346897	6.55	7.16	0.61	0.003
			346898	7.16	7.83	0.67	0.003
7.89	8.05	**10qc** ***Quartz-carbonate Vein*** conform, m - cg qtz, cg wall + chl, (brecciated?), minor bio, tr py + cpy	346899	7.83	8.14	0.31	0.009
8.05	11.09	**1** ***Mafic to Intermediate Volcanics (undif*** grey granular siliceous zone, conform @ 29.0', 10 cm, diffuse cts, minor bio; 29 - 30' occ ss surfaces (minor shear zone?)	346900	8.14	8.84	0.70	0.003
			346909	8.84	10.06	1.22	0.003
			346910	10.06	11.06	1.00	0.003

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
11.09	11.31	**10qc** ***Quartz-carbonate Vein*** conform?, f - mg wht qtz, chl + wall incl, tr py					
11.31	18.14	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 40.5', conform @ 036, 2.5 cm, wht fg qtz, wall + chl incl, NVS; Qtz/carb vein @ 51.7', conform, 2.5 cm, wht fg qtz, chl incl, minor blk amph or tour?, NVS; Qtz/carb vein @ 57.3', conform, 8 cm, wht fg qtz, chl + wall incl along fol @ 035, NVS	346911	11.37	13.11	1.74	0.003
			346912	13.11	14.51	1.40	0.003
			346913	14.51	15.61	1.10	0.003
			346914	15.91	16.89	0.98	0.003
			346901	16.89	17.80	0.91	0.003
			346902	17.80	18.11	0.31	0.003
18.14	18.50	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, wht cg qtz, fgr py/cpy along ss on upper ct, minor py frac fill films, minor blk tour sprays, lower ct has m - fg py seam with cal, speck of vg, fg py + cpy film on ss at lower ct	346903	18.11	18.47	0.36	9.643

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
18.50	25.05	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 62.4', conform, 1 cm, wht mg qtz, chl + wall incl along fol, blebs of py, minor cpy, tr aspy?, bi?, minor py blebs in wall rock; Qtz/carb vein @ 66.8', conform, 2 cm, wht fg qtz, chl incl, tr py; Qtz/carb vein @ 67.4', conform, 1 cm, brecciated, fg, minor py/po; 69 - 73' zone of minor silicification and seriticization with v minor anhedral mgt (weak MA), tr po; Qtz/carb vein @ 70.9', x-cut @ 060 against fol, 1 cm, wht fg qtz, chl incl, minor dissem anhedral mgt (weak MA); 71 - 72' minor euhedral mgt up to 1 mm octahedra with dissem fg po; 77 - 79' elevated sulph (smears of po blebs up to ~2%); Qtz/carb vein @ 78.3', x-cut , 1 cm, wht fg qtz, chl incl, minor po (fol changes above and below vein - rotates); Qtz/carb vein @ 81.2', conform, 1 cm, fg, NVS	346904	18.47	19.08	0.61	0.051
			346905	19.08	19.81	0.73	0.003
			346915	19.81	21.61	1.80	0.003
			346906	21.61	21.76	0.15	0.013
			346917	22.04	23.20	1.16	0.033
			346907	23.20	24.17	0.97	0.006
			346908	24.17	24.99	0.82	0.129
25.05	25.24	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, (missing pcs - upp ct not here), m - cg wht qtz, minor carb, minor py frac fill, middle of vein carries c gr py blebs up to 5 mm with fg marcas? (weathering to grey powder, slight brick red staining (hem), lower ct minor mg py, minor red staining, number of specks of vg assoc with py, tr py frac fill, py seam at lower ct; lower wall rock well fol with minor dissem py + tr cpy					
25.24	25.60	**1** ***Mafic to Intermediate Volcanics (undif*** 2 py seams @ 83.9', x-cutting, ~2 - 3 mm ea	346918	24.99	25.69	0.70	40.702
25.60	25.63	**10qc** ***Quartz-carbonate Vein***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		x-cut @ 080, 1.5 cm, wht mg qtz, minor carb, heavy mg py along cts					
25.63	27.74	**1** ***Mafic to Intermediate Volcanics (undif*** Cal vein @ 87.1', conform, 1 cm, minor py; Qtz/carb vein @ 89.3', conform, 1.5 cm, wht mg qtz, NVS	346919	25.69	26.82	1.13	0.368
			346920	26.82	27.89	1.07	0.090
27.74	27.77	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, 2.5 cm, wht mg qtz, minor cg py + cpy + po with fg carb at lower ct; several thin veinlets of qtz/carb/py/cpy just above this vein					
27.77	44.20	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 95.8', conform, 7 cm, wht mg qtz, NVS; unit becomes moderately carbonatized to ~140' and then poor to 152'; ~102' several thin irreg cal stringers; Qtz/carb vein @ 122.3', conform, 7 cm, chl incl, NVS; 140.3' 5 cm zone of slightly brecciated stringers and patchy epidote	346921	27.89	28.19	0.30	0.105
			346922	28.19	29.57	1.38	0.030
			346923	29.57	31.09	1.52	0.012
			346924	31.09	32.61	1.52	0.007
			346925	32.61	33.83	1.22	0.003
			346926	33.83	35.05	1.22	0.007
			346927	35.05	36.36	1.31	0.003
			346928	36.36	37.80	1.44	0.047

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			346929	37.80	39.01	1.21	0.079
			346930	39.01	40.23	1.22	0.023
			346931	40.23	41.45	1.22	0.003
			346932	41.45	42.67	1.22	0.003
			346933	42.67	44.10	1.43	0.003
44.20	44.23	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, 5 cm, wht mg qtz, tr carb, tr blebs py + cpy, chl incl					
44.23	44.50	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	346934	44.10	44.71	0.61	12.792
44.50	44.53	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080 as above (145.0'), chl and ss on lower ct (some missing pcs)					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
44.53	54.41	**1** ***Mafic to Intermediate Volcanics (undif*** unit becomes well fol ~ 152'; Qtz/carb/py vein @ 157.1', x-cut @ 090, 1 cm, fg; 157 - 158.6' multiple thin cal stringers, conformable; Qtz/carb vein @ 164.8', conform, 2.5 cm, grey gran qtz, tr carb, tr blebs po; grey gran sil zone @ 165.7', conform, 3.5 cm, tr sulph; grey gran zone @ 166.5', conform, 3.5 cm, Qtz/carb vein @ 177.1' conform, 2.5 cm, wht fg, sharp cts, chl incl	346935	44.71	45.81	1.10	0.019
			346936	45.81	46.94	1.13	0.042
			346937	46.94	48.13	1.19	0.048
			346938	48.13	49.38	1.25	0.193
			346939	49.38	50.60	1.22	0.174
			346940	50.60	51.82	1.22	0.179
			346942	51.82	53.04	1.22	0.144
			346943	53.04	54.38	1.34	0.328
54.41	54.47	**11f** ***Fault Zone*** 3 - 5 cm zone of broken core, no alteration or mineralization					
54.47	61.05	**1** ***Mafic to Intermediate Volcanics (undif*** 179 - 181' numerous carb/qtz stringers; Qtz/carb vein @ 183.9', conform, 2 cm, wht fg, chl incl, NVS	346944	54.38	55.78	1.40	0.487
			346945	55.78	57.30	1.52	0.324
			346946	57.30	58.52	1.22	0.476
			346947	58.52	60.35	1.83	0.540
			346948	60.35	61.60	1.25	0.245
61.05	61.14	**10q** ***Quartz Vein*** conform, wht fg gran qtz, abundant chl + wall frags along fol @ 037, tr sulph					

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From (m)	*To* (m)	*Lithology*	*Sample #*	*From*	*To*	*Length*	*Au* (g/t)
61.14	61.45	**1** ***Mafic to Intermediate Volcanics (undif*** well fol					
61.45	61.54	**10q** ***Quartz Vein*** conform, wht fg gran qtz, abundant chl + wall frags along fol, tr py					
61.54	61.72	**1** ***Mafic to Intermediate Volcanics (undif*** well fol between veins					
61.72	61.78	**10qc** ***Quartz-carbonate Vein*** conform, 7 cm, wht fg gran qtz, minor carb, chl incl, irreg cts, minor fg py					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
61.78	61.87	**1** ***Mafic to Intermediate Volcanics (undif*** well silicified					
61.87	64.22	**10qc** ***Quartz-carbonate Vein*** conform, wht mg qtz, minor cg carb, wall + chl incl, minor py frac fill films, tr cpy, ss on lower ct	346949	61.60	62.18	0.58	0.069
			346950	62.18	63.09	0.91	0.005
			346951	63.09	63.70	0.61	0.165
64.22	68.73	**1** ***Mafic to Intermediate Volcanics (undif*** well fol between and below above veins with occ lg blebs of po along fol	346952	63.70	64.98	1.28	0.150
			346953	64.98	65.84	0.86	0.314
			346954	65.84	67.06	1.22	0.284
			346955	67.06	68.15	1.09	0.327
			346956	68.15	68.70	0.55	0.200
68.73	69.07	**10q** ***Quartz Vein*** conform, wht fg qtz, abundant wall + chl incl, lower ct has small zone of v diffuse purplish grey	346957	68.70	69.10	0.40	0.031
69.07	69.98	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	346958	69.10	70.10	1.00	0.033

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
69.98	70.10	**10qc** ***Quartz-carbonate Vein*** conform, wht fg qtz, minor carb, chl incl, diffuse cts, tr fg py					
70.10	87.60	**1** ***Mafic to Intermediate Volcanics (undif*** Cal vein @ 233.4', conform, 2.5 cm, wht fg, NVS; Qtz vein @ 235.2', conform, 2.5 cm, wht mg qtz, minor blebs fg py; grey gran sil zone 235.9 - 236.4'; Qtz vein @ 236.4', conform, 3.5 cm, wht mg qtz; 236.6 - 254' numerous diffuse siliceous zones; grey gran sil zone @ 264.2', conform, 15 cm; grey gran sil zone @ 265.3', conform, 24 cm, bottom 5 cm has x-cut qtz/carb vein @ 065, minor py frac fill films, chl incl; 276 - 290' numerous grey gran zones with diffuse cts	346959	70.10	71.17	1.07	0.198
			346960	71.17	72.24	1.07	0.247
			346961	72.24	73.46	1.22	0.090
			346962	73.46	74.37	0.91	0.247
			346963	74.37	75.59	1.22	0.237
			346964	75.59	76.81	1.22	0.071
			346965	76.81	78.03	1.22	0.222
			346967	78.03	79.25	1.22	0.133
			346968	79.25	80.47	1.22	0.030
			346969	80.47	81.38	0.91	0.021
			346970	81.38	82.60	1.22	0.170
			346971	82.60	83.52	0.92	0.034
			346972	83.52	84.73	1.21	0.222
			346973	84.73	85.95	1.22	0.097
			346974	85.95	87.17	1.22	0.143

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
87.60	87.66	**10qc** ***Quartz-carbonate Vein***	346975	87.17	88.09	0.92	0.057
		appears x-cut @ 013, (fol app 030), 12 cm, wht mg qtz, chl + wall incl, minor carb, NVS					
87.66	91.44	**1** ***Mafic to Intermediate Volcanics (undif***	346976	88.09	89.00	0.91	0.169
		Metavolcanics	346977	89.00	90.22	1.22	0.052
			346978	90.22	91.38	1.16	0.074
91.44	91.65	**10qc** ***Quartz-carbonate Vein***	346979	91.38	91.68	0.30	0.116
		x-cutting?, 20 cm, wht mg qtz, minor carb, lower ct @ 090, tr py, inor core grinding					
91.65	96.74	**1** ***Mafic to Intermediate Volcanics (undif***	346980	91.68	92.66	0.98	0.068
		unit has massive appearance with numerous ss surfaces at 057, v weak carbonatization with rare mod zones	346981	92.66	93.57	0.91	0.282
			346982	93.57	94.52	0.95	0.088
			346983	94.52	95.71	1.19	0.178
			346984	95.71	96.62	0.91	0.040
96.74	96.77	**10qc** ***Quartz-carbonate Vein***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		x-cut @065, 8 cm, wht cg qtz, wall incl, minor chl, minor blebs cg po, minor po above and below vein					
96.77	110.03	**1** ***Mafic to Intermediate Volcanics (undif*** 317 - 320' slightly elevated sulph, blebs of po with minor py along v weak fol, tr cpy; Qtz/carb vein @ 330.0', conform?, 1 cm, ragged cts, minor py; unit continues to be well silicified with long core pcs	346985	96.62	96.93	0.31	0.060
			346986	96.93	97.84	0.91	0.028
			346987	97.84	98.76	0.92	0.175
			346988	98.76	99.97	1.21	0.007
			346989	99.97	101.19	1.22	0.012
			346990	101.19	102.11	0.92	0.010
			346992	102.11	103.33	1.22	0.008
			346993	103.33	104.24	0.91	0.007
			346994	104.24	105.46	1.22	0.117
			346995	105.46	106.68	1.22	0.070
			346996	106.68	108.02	1.34	0.158
			346997	108.02	109.12	1.10	0.137
			346998	109.12	109.88	0.76	0.185
110.03	110.06	**10q** ***Quartz Vein*** x-cut, 7 cm, f - mg qtz, chl incl minor po	346999	109.88	110.19	0.31	0.084

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
110.06	114.30	**1** ***Mafic to Intermediate Volcanics (undif*** unit continues strong silicification poor carbonatization to EOH @ 375'	347000	110.19	110.95	0.76	0.292
			295501	110.95	112.17	1.22	0.332
			295502	112.17	113.39	1.22	0.307
			295503	113.39	114.30	0.91	0.175

DRILL HOLE REPORT

Hole Number **86-42** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 91.44
Started:
Completed:
Logged: 16-Nov-16
Comment:

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298040.46
North: 4947363.76
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

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Hole Number **86-42** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	0.61	**Ovb** ***Overburden*** rubble to 3'					
0.61	15.06	**1** ***Mafic to Intermediate Volcanics (undif*** grey/grn, fg greenstone, occ stringers with and across fol; weak carbonatziation with zones to moderate, appears massive until ~ 55', then mod @ 045; Qtz/carb vein @ 10.3', conform, 3 cm, wht fg, NVS; Qtz/carb vein @ 12.3', x-cut @ 080, 2 - 3 mm; Qtz/carb vein @ 16.1', conform, 2.5 cm, wht mg qtz, slight pinch & swell, tr sulph; Qtz/carb vein @ 18.6', x-cut @ 090, 3 - 4 mm, fg, minor fg py; 31.1 - 31.7' several 1 mm veins, x-cutting @ 080 - 085, qtz/po/py; Qtz/carb vein @ 33.9', conform, 1 cm, minor fg py; Qtz/carb/po vein @ 37.5', x-cut @ 085, 3 mm, fg	295504	3.11	4.27	1.16	0.020
			295505	4.27	5.43	1.16	0.050
			295506	5.43	6.71	1.28	0.025
			295507	6.71	7.89	1.18	0.005
			295508	7.89	8.99	1.10	0.003
			295509	8.99	10.21	1.22	0.014
			295510	10.52	11.43	0.91	0.003
			295511	11.43	12.50	1.07	0.061
			295512	12.50	13.72	1.22	0.078
			295513	13.72	14.87	1.15	0.106
15.06	15.09	**10qc** ***Quartz-carbonate Vein*** x-cut @ 022 against fol, 1 cm, fg, tr po					
15.09	18.17	**1** ***Mafic to Intermediate Volcanics (undif*** grey gran conform siliceous zone @ 55.5', 8 cm, diffuse cts, tr sulph; Qtz/carb vein @ 56.4', conform, 8 cm, wall rock through middle, tr po; Qtz/carb vein @ 58.0', conform, 12 cm, wht fg qtz, abundant chl incl, irreg, tr sulph; 56.6 - 65.0' occ grey gran sil zones, conformable	295514	14.87	15.54	0.67	0.244
			295515	15.54	16.92	1.38	1.260

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
18.17	18.20	**11f** ***Fault Zone*** 2.5 cm slip or fault @ 045, minor py + cal					
18.20	42.03	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 66.9', x-cut @ 065, 2 - 3 mm, minor carb + py; 77.3' wht/grey granular, conform sil zone, 15 cm, chl incl along fol, tr sulph; Qtz/carb vein @ 81.5', conform @ 035, 18 cm, wht mg qtz in fg carb, sharp cts, chl incl, NVS; Qtz/carb vein @ 95.7', conform, 7 cm, fg, chl incl, tr fg sulph; 97 - 105' slightly boudinaged veins/stringers through zone; 101.0 - 103.7' grey gran sil zone with chl incl, minor carb, tr sulph; Qtz/carb vein @ 102.0', conform, 1.5 - 2 cm, fg, NVS; diffuse siliceous zone @ 102.8', conform, 12 cm, NVS; wht/grey granular conform sil zone @ 104.7 - 105.3', chl + wall incl along fol, tr sulph; fol becomes weak; Carb/qtz vein @ 122.0', fg gran, conform, 1 cm, NVS; Qtz/carb vein @ 126.8', conform, 2.5 cm, wht fg qtz, NVS; 124 - 134' chl enriched zone; Qtz/carb vein @ 134.4', conform, 1.5 cm, chl incl tr sulph	295516	18.29	19.32	1.03	0.226
			295517	19.32	20.39	1.07	0.376
			295518	20.39	20.85	0.46	0.491
			295519	20.85	21.95	1.10	0.815
			295520	21.95	23.16	1.21	0.397
			295521	23.16	24.35	1.19	0.369
			295522	24.35	25.60	1.25	0.039
			295523	25.60	26.70	1.10	0.086
			295524	26.70	28.04	1.34	0.156
			295525	28.04	29.26	1.22	0.432
			295527	29.26	30.18	0.92	0.161
			295528	30.18	31.09	0.91	0.501
			295529	31.09	32.16	1.07	0.112
			295530	32.16	33.25	1.09	0.736
			295531	33.25	34.17	0.92	0.337
			295532	34.17	35.36	1.19	0.140

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			295533	35.36	36.58	1.22	0.184
			295534	36.58	37.55	0.97	0.257
			295535	37.55	38.71	1.16	0.202
			295536	38.71	39.96	1.25	0.200
			295537	39.96	41.30	1.34	0.075
42.03	42.28	**10qc** ***Quartz-carbonate Vein*** conform, wht mg qtz, minor carb, minor po abundant chl + wall incl along fol					
42.28	42.79	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 139.5', conform, 1.5 cm, fg gran, tr sulph; Qtz/carb vein @ 139.8', conform, 2 cm, fg, tr sulph; mod carbonatization down to ~ 150', then weak					
42.79	43.19	**10qc** ***Quartz-carbonate Vein*** conform, wht mg qtz, minor carb, chl + wall incl, minor po/py, tr py frac fill films					
43.19	45.26	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
45.26	45.42	**10qc** ***Quartz-carbonate Vein*** conform, wht fg gran qtz, minor carb, chl + wall incl, tr sulph, tr frac fill films					
45.42	50.26	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 149.6', conform, 8 cm, wht fg gran, minor carb, tr sulph; 160.0' 5 cm zone of well fol rock slightly elevated sulph (~0.5% dissem po along fol)	295538	45.87	46.97	1.10	0.217
			295539	46.97	48.04	1.07	0.047
			295540	48.04	49.38	1.34	0.061
			295541	49.38	50.11	0.73	0.014
			295542	50.11	50.41	0.30	0.029
50.26	50.29	**10qc** ***Quartz-carbonate Vein*** x-cut @ 075, 2 cm, wht fg, minor fg py/po, tr cpy					

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
50.29	58.52	**1** ***Mafic to Intermediate Volcanics (undif*** 172 - 187' zone of high silicification (grey colour); unit well carbonatized	295543	50.41	51.69	1.28	0.083
			295544	51.69	53.00	1.31	0.103
			295545	53.00	54.16	1.16	0.033
			295546	54.16	55.17	1.01	0.117
			295547	55.17	56.39	1.22	0.029
			295548	56.39	57.33	0.94	0.008
			295549	57.33	58.52	1.19	0.029
58.52	58.83	**10qc** ***Quartz-carbonate Vein*** conform, wht fg qtz, minor carb, abundant chl + wall incl, tr sulph	295550	58.52	58.83	0.31	0.111
58.83	73.37	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 194.8', conform @ 021, wht fg qtz, minor carb, minor blebs po, chl incl; Qtz/carb vein @ 211.3', conform, 5 cm, wht fg qtz, minor carb, chl incl, tr sulph; 222 - 227' rusty weathering core, sulph slightly elevated (not greatly), well silicified and carbonatized zone; Qtz/carb vein @ 228.1', x-cut @ 065, 3 - 4 mm, fg granular, minor py; Qtz/carb vein @ 239.5', conform @ 028, 1 cm, wht fg qtz, minor carb, irreg cts, chl incl, NVS; Qtz/carb vein @ 240.1', conform, 1 cm, wht fg qtz, minor carb, irreg cts, NVS	295552	58.83	59.44	0.61	0.051
			295553	59.44	59.74	0.30	0.042
			295554	59.74	60.78	1.04	0.076
			295555	60.78	61.87	1.09	0.056
			295556	61.87	63.09	1.22	0.080
			295557	63.09	64.31	1.22	0.045
			295558	64.31	65.47	1.16	0.028
			295559	65.47	66.45	0.98	0.049
			295560	66.45	67.67	1.22	0.074
			295561	67.67	68.28	0.61	0.064
			295562	68.28	69.34	1.06	0.129
			295563	69.80	70.71	0.91	0.051
			295564	70.71	71.66	0.95	0.119

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			295565	71.66	72.91	1.25	0.129
			295566	72.91	73.76	0.85	0.084
73.37	73.43	**10q** ***Quartz Vein*** x-cut, subparallel to core, v irreg, abundant chl + wall incl orientated to fol @ 027, wht fg gran, NVS					
73.43	89.70	**1** ***Mafic to Intermediate Volcanics (undif*** well carbonatized to 242.5', v weakly down to 294'; grey granular sil zone @ 258.3 - 259.0' and 260.7 - 260.9'; Qtz/carb vein @ 276.4', 1.5 cm, running parallel to core to 279.0', irreg, wht fg, chl incl, tr sulph; Qtz vein @ 293.8', x-cut, 1 cm, tr po;	295567	73.76	74.83	1.07	0.080
			295568	74.83	76.11	1.28	0.143
			295569	76.11	77.27	1.16	0.189
			295570	77.27	78.33	1.06	0.119
			295571	78.33	79.55	1.22	0.109
			295572	79.55	80.56	1.01	0.081
			295573	80.56	81.69	1.13	0.131
			295574	81.69	82.57	0.88	0.213
			295575	82.57	83.82	1.25	0.003
			295577	83.82	85.04	1.22	0.008
			295578	85.04	86.14	1.10	0.003
			295579	86.14	87.17	1.03	0.003
			295580	87.17	88.09	0.92	0.003
			295581	88.09	88.70	0.61	0.009
89.70	89.79	**10qc** ***Quartz-carbonate Vein*** x-cut @ 085, wht fg qtz, minor py, blebs and tr frac fill films, tr marcas + po					

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Hole Number **86-42** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
89.79	90.37	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
90.37	90.62	**10qc** ***Quartz-carbonate Vein*** conform, diffuse cts, fg gran, abundant wall + chl incl, minor po/py					
90.62	91.44	**1** ***Mafic to Intermediate Volcanics (undif*** py/po seam @ 297.7', 2 mm; 298.1' - seam as 297.2'; grey gran conform sil zone @ 299.3', 12 cm; EOH @ 300'					

DRILL HOLE REPORT

Hole Number **86-43** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 99.06
Started:
Completed:
Logged: 20-Nov-16
Comment:

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298005.2
North: 4947342.01
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-43** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	0.61	**Ovb** ***Overburden*** Overburden					
0.61	21.34	**1** ***Mafic to Intermediate Volcanics (undif*** dk grn/grey, fg greenstone, mod fol @ 020, highly chloritized, few stringers or veins, poor to moderate carbonatization; Qtz/carb vein @ 29.0', conform @ 024, 8 cm, wht fg qtz, chl incl, v minor carb frac fill, NVS, lower ct @ 037; increases to well fol, v chl rich; Qtz/carb vein @ 51.5', conform @ 020, 2 cm, fg granular, sharp cts, NVS; 56.5' wht gran, conform siliceous zone, minor carb, weathered out vugs along fol, abundant chl + wall incl, NVS, diffuse cts; 60.8 - 65.0' as above (56.5') with a Qtz/carb vein @ 61.4 - 61.7', conform, wht fg gran, weathered out carb frac fill (fine spider lines), tr sulph, weak fol with fg dissem po/py ~ 1 - 2%, highly siliceous; Qtz/carb vein @ 68.9', conform, 1 - 2 cm, wht mg qtz, minor carb, NVS	295582	0.52	1.52	1.00	0.773
			295583	1.52	2.74	1.22	0.147
			295584	2.74	3.96	1.22	0.038
			295585	3.96	4.94	0.98	0.026
			295586	4.94	6.10	1.16	0.036
			295587	6.10	7.19	1.09	0.029
			295588	7.19	8.17	0.98	0.033
			295589	8.17	9.11	0.94	0.020
			295590	9.11	10.18	1.07	0.008
			295591	10.18	11.28	1.10	0.011
			295592	11.28	12.80	1.52	0.003
			295593	12.80	13.99	1.19	0.003
			295594	13.99	15.03	1.04	0.040
			295595	15.03	15.85	0.82	0.074
			295596	15.85	16.79	0.94	0.049
			295597	16.79	17.83	1.04	0.008
			295598	17.83	18.65	0.82	0.005
			295599	18.65	18.96	0.31	0.003
			295601	18.96	19.81	0.85	0.051
			295602	19.81	20.82	1.01	0.003
			295603	20.82	21.31	0.49	0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-43** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
21.34	21.58	**10qc** ***Quartz-carbonate Vein*** conform, wht mg qtz, mg ankerite, cts?/(missing pcs), NVS					
21.58	22.19	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	295604	21.31	21.95	0.64	0.003
22.19	23.68	**10qc** ***Quartz-carbonate Vein*** appears conform, wht mg qtz, minor chl incl, minor blebs po, diffuse gradation to grey gran qtz and back to wht, chl and wall incl fol @ 023	295605	21.95	22.49	0.54	0.003
			295606	22.49	23.71	1.22	0.085
23.68	29.90	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 79.5', conform @ 033, 12 cm, wht mg qtz, minor carb, sharp cts, chl incl, NVS; grey granular conform siliceous zone @ 80.6 - 82.0'; Qtz/carb vein @ 93.6', conform @ 028, 3 cm, irreg cts, wht fg qtz, abundant chl incl (chaotic), tr fg sulph	295607	23.71	24.99	1.28	0.138
			295608	24.99	26.21	1.22	0.038
			295609	26.21	27.43	1.22	0.033
			295610	27.43	28.47	1.04	0.020
			295611	28.47	28.99	0.52	0.005
			295612	28.99	29.90	0.91	0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-43** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
29.90	30.30	**10qc** ***Quartz-carbonate Vein*** conform, wht mg qtz, abundant wall + chl frags along fol, v ragged cts, tr sulph					
30.30	43.28	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 100.0', conform, 2 cm, wht mg qtz, v ragged cts, abundant wall + chl incl, minor epidote, tr sulph; 106.3 - 107.9' wht/grey, granular conform sil zone; grey gran sil zone @ 121.0', 10 cm; grey gran sil zone @ 122.3', 10 cm; massive to weak fol	295613	29.90	31.00	1.10	0.200
43.28	43.40	**11f** ***Fault Zone*** broken core for 10 - 15 cm, no alteration or mineralization					
43.40	45.72	**1** ***Mafic to Intermediate Volcanics (undif*** Cal/qtz vein @ 148.4', x-cut @ 080, 5 mm, sharp cts, fg	295614	44.84	45.75	0.91	0.007

LITHOLOGY REPORT
- Detailed -

Hole Number **86-43** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
45.72	46.02	**1** ***Mafic to Intermediate Volcanics (undif***	295615	45.75	46.06	0.31	0.003
		garnet - chert zone, fg grey qtz carrying fg red brown gt, conform, minor carb, minor fg po					
46.02	58.67	**1** ***Mafic to Intermediate Volcanics (undif***	295616	46.06	46.76	0.70	0.009
		Qtz vein @ 172.9', x-cut @ 050, 1.5 cm, grey m - cg qtz, minor py; Qtz/carb vein @ 186.0', conform, 2 - 3 cm, wht mg qtz, chl incl, sharp cts, NVS; Qtz/carb vein @ 187.0', conform, 10 cm, wht mg qtz, abundant wall + chl incl along fol; Qtz vein @ 191.5', conform, 4 mm, wht mg qtz, NVS					
58.67	58.89	**10qc** ***Quartz-carbonate Vein***					
		x-cut @ 075 - 080, wht mg qtz, v minor carb, minor tour, minor epidote?, NVS (missing pcs?)					
58.89	60.84	**1** ***Mafic to Intermediate Volcanics (undif***	295617	58.92	59.77	0.85	0.003
		Metavolcanics	295618	59.77	60.69	0.92	0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-43** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
60.84	60.93	**10qc** ***Quartz-carbonate Vein*** conform?, wht mg qtz, minor carb at lower ct with py + epidote (diffuse grn), rare blades of blk amph or tour, tr cpy					
60.93	61.30	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	295619	60.69	61.39	0.70	0.032
61.30	61.33	**10qc** ***Quartz-carbonate Vein*** x-cut @ 075, 2.5 cm, fg qtz, minor py frac fill films					
61.33	62.03	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	295620	61.39	61.90	0.51	0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-43** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
62.03	62.06	**10qc** ***Quartz-carbonate Vein***	295621	61.90	62.21	0.31	0.003
		x-cut?, 2 cm, fg gran qtz, chl incl, tr sulph, diffuse cts					
62.06	65.68	**1** ***Mafic to Intermediate Volcanics (undif***	295622	62.21	63.15	0.94	0.012
		207.2 - 208.2' - irreg zone with elevated chl content, minor brecciation pcs, silicified and carbonatized;	295623	63.15	63.46	0.31	0.029
		210.0 - 211.0' as above (207.2')	295624	63.46	64.62	1.16	0.006
			295626	64.62	65.53	0.91	0.006
65.68	66.08	**10qc** ***Quartz-carbonate Vein***	295627	65.53	66.11	0.58	0.020
		conform?, wht mg qtz, wall + chl incl, minor py					
66.08	72.24	**1** ***Mafic to Intermediate Volcanics (undif***	295628	66.11	67.15	1.04	0.003
		223.0' - patchy epidote zone, ~ 2 cm					
72.24	72.69	**11s** ***Shear Zone***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		well fol @ 047, with numerous thin (1 - 3 mm) qtz frags and qtz/carb smears along fol, highly chloritic schist, pitted core suggests weathered out carb frags, tr dissem fg py; below zone rock quickly grades back to mod to weak fol; above zone well fol to 226'					
72.69	73.61	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
73.61	73.91	**10qc** ***Quartz-carbonate Vein*** conform, wht mg qtz, chl incl along fol, NVS					
73.91	78.82	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	295629	77.91	79.00	1.09	0.082
78.82	81.08	**11f** ***Fault Zone***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		irreg fracture/break subparallel to core along this zone, coarse semi consolidated mica, py, carb, chl + qtz frags, soft, friable, randomly orientated mica flakes; some cal frac fill					
81.08	99.06	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 266.0', conform, 2.5 cm, chl incl, tr sulph; 266 - 268' well fol with partially brecciated stringers and smears; Qtz/carb vein @ 288.5', conform, 1.5 cm, wht m - cg qtz, fg py + cpy; 295.5 - 295.7' zone of fg epidote, diffuse cts, conform @ 039; Qtz/carb vein @ 307.6', conform @ 038, 5 mm, f - mg q wht qtz, chl incl, ragged cts, minor fg py; numerous stringers and thin (1 - 3 mm) veinlets of qtz/carb with tr py; Qtz/carb vein @ 322.9', conform, 1.5 cm, wht fg qtz, abundant chl + wall frags, tr blebs fg py; EOH @ 325'	295630	80.89	81.75	0.86	0.058
			295631	81.75	82.91	1.16	0.067
			295632	82.91	83.94	1.03	0.024
			295633	86.90	87.78	0.88	0.003
			295634	87.78	88.09	0.31	0.098
			295635	88.09	89.00	0.91	0.003
			295636	93.30	94.37	1.07	0.153
			295637	98.21	98.66	0.45	0.003

DRILL HOLE REPORT

Hole Number **86-44** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -46
Length: 106.68
Started:
Completed:
Logged: 20-Nov-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: -Some missing core; Box #8 has a lot of missing core and disrupted core

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298085.4
North: 4947430.89
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-46.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-44** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	0.61	**Ovb** ***Overburden*** Overburden					
0.61	6.71	**1** ***Mafic to Intermediate Volcanics (undif*** dk grn, fg, mod to poorly fol greenstone, v weak carbonatization 2 - 20', strong 20 - 36' (vfg)					
6.71	8.53	**LC** ***Lost Core*** Lost core					
8.53	9.14	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					
9.14	9.33	**10qc** ***Quartz-carbonate Vein***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		conform? (missing cts), wht fg qtz, minor carb - wall incl, NVS					
9.33	11.83	**1** ***Mafic to Intermediate Volcanics (undif*** ~37' slightly elevated fg py along folgenerally conform to vein below, vfg matrix with minor qtz frags (shearing?)	295638	10.79	11.67	0.88	0.003
			295639	11.67	11.98	0.31	1.714
11.83	11.89	**10qc** ***Quartz-carbonate Vein*** x-cut @ 085, 12 cm, wht mg qtz, minor carb, irreg cts, NVS					
11.89	28.83	**1** ***Mafic to Intermediate Volcanics (undif*** 45 cm zone below vein above shows vfg matrix with fg dissem py along fol and small qtz frags , shearing?; v weakly carbonatized 36 - 63'Qtz/carbvein @ 46.1', 3.5 cm, wht mg qtz, abundant wallfrags along fol @ 033, NVS, lower ct @ 040; Qtz/carb vein @ 55.7', x-cut @ 050, 3 - 4 mm, fg, minor py; Qtz/carb vein @ 57.7', as above (55.7'); Qtz vein @ 61.3', x-cut @ 060, 3 mm, tr py; grey granular siliceous frags @ 64.7'; unit becomes moderatey carbonatized at 63' to 71'; Qtz/carb vein @ 84.4', conform, 10 cm, wht mg qtz, abundant chl incl, sharp cts; 86.2' patch of epidote	295640	11.98	12.68	0.70	0.003
			295641	16.64	17.43	0.79	0.003
			295642	18.29	18.93	0.64	0.003
			295643	28.01	28.80	0.79	0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-44** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
28.83	28.96	**10qc** ***Quartz-carbonate Vein*** conform, 16 cm, wht fg qtz, chl + wall incl along fol, minor blk sprays of tour, tr sulph	295644	28.80	29.11	0.31	0.003
28.96	33.07	**1** ***Mafic to Intermediate Volcanics (undif*** well fol with numerous qtz stringers along fol, 0.1 - 0.3 mm flattened qtz frags along fol, chl rich, tr sulph, shearing?; weakly carbonated to 109', well carbonatized afterwards; grey granular conformable siliceous zone @ 99.4', 30 cm	295645	29.11	29.87	0.76	0.003
			295646	32.25	33.01	0.76	0.003
33.07	33.25	**11f** ***Fault Zone*** (missing core pcs), appears as 3 - 5 cm zone of broken core, wht carb, pink cg cal, seam of botroidial py, cg chl, wht/grey f - mg qtz, numerous ss surfaces					
33.25	37.19	**1** ***Mafic to Intermediate Volcanics (undif*** well carbonatized gs; well fol with numerous stringers along fol	295647	33.31	34.20	0.89	0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-44** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
37.19	37.34	**10qc** ***Quartz-carbonate Vein*** conform @ 039, wht mg qtz, abundant wall + chl frags along fol, NVS					
37.34	40.66	**1** ***Mafic to Intermediate Volcanics (undif*** well fol, withnumerous stringers + smears, lenses along fol					
40.66	40.75	**10qc** ***Quartz-carbonate Vein*** conform, 10 cm, slightly brecciated,abundant wall + chl frags, diffuse, tr fg py					
40.75	41.15	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-44** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
41.15	47.24	**LC** ***Lost Core*** some pcs here, a lot missing					
47.24	53.46	**1** ***Mafic to Intermediate Volcanics (undif*** unit becomes weak fol to massive at 166.0', going from well carbonatized to poor to mod after;					
53.46	53.55	**10qc** ***Quartz-carbonate Vein*** conform?, 10 cm, wht f - mg qtz, NVS, chl rich cts (missing pcs?)					
53.55	76.26	**1** ***Mafic to Intermediate Volcanics (undif*** grey gran sil zone @ 177.3', 14 cm, Qtz/carb vein @ 178.4', conform, 8 mm, wht fg qtz, NVS; few stringers or veins; Qtz vein @ 219.4', x-cut @ 085, 5 mm, wht mg qtz, chl incl, NVS; Qtz/carb vein @ 249.0', x-cut, 1 cm, wht mg qtz, ragged cts, NVS; grey gran sil zone @ 249.2 - 250.1', tr po	295648 295649	74.80 75.96	75.96 76.26	1.16 0.30	0.110 0.174

LITHOLOGY REPORT
- Detailed -

Hole Number **86-44** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
76.26	82.02	**LC** ***Lost Core*** Box #14 mislabelled, does to connect to core in box#13. If interval blocks are correct, and I believe they are as they correlate to original log, then box #14 is missing, rest is okay.					
82.02	106.68	**1** ***Mafic to Intermediate Volcanics (undif*** light grey/grey, highly silicified rock; Qtz/carb vein @ 269.8', x-cut slightly to fol, 016, 1.5 cm, wht mg qtz, minor py/po; highly silicified rock, lt grn/grey; Qtz/carb vein @ 286.1', x-cut @ 015, 0.5 - 1 cm, chl incl, wht mg qtz, minor carb, minor py, brick red weathering (hem staining) no MA, ss at upp ct, v minor fg py frac fill films; grey fg gran sil zone @ 297.5 - 300.0', grades to wht mg qtz with minor carb, minor blebs po + py, minor blades of spec hem uo to 2 mm, tr cpy; Qtz/carb vein @ 317.6 - 319.0', subparallel, x-cutting slightly to fol, 2.5 - 7.5 cm,wht fg gran qtz, v minor carb, irreg, winding, minor py blebs, v minor fg py frac fill films; Qtz/carb vein @ 326.1', conform?, 3.5 cm, wht mg qtz, tr sulph; v weak fol; Qtz/carb vein @ 335.4', conform? @ 036, 3.5 cm, cg wht qtz, carb + po, minor cpy/py; grey fg gran sil zone @ 335.7' to 350'; 339.2' 5 cm zone of dissem po, py + cpy ~2 - 5%; 343.1' - 3 mm seam x-cut @ 080, fg carb + py; EOH @ 350.0'	295651	82.02	82.72	0.70	0.123
			295652	82.72	83.70	0.98	0.207
			295653	83.70	84.58	0.88	0.084
			295654	84.58	85.34	0.76	0.017
			295655	85.34	86.41	1.07	0.188
			295656	86.41	87.11	0.70	0.008
			295657	87.11	87.54	0.43	0.065
			295658	87.54	88.39	0.85	0.216
			295659	88.39	89.55	1.16	0.189
			295660	89.55	90.68	1.13	0.024
			295661	90.68	91.44	0.76	0.022
			295662	91.44	92.29	0.85	0.211
			295663	95.89	96.71	0.82	0.523
			295664	96.71	97.35	0.64	0.557
			295665	97.35	98.45	1.10	0.256
			295666	99.40	100.25	0.85	0.093
			295667	100.25	100.83	0.58	0.148
			295668	100.83	101.74	0.91	0.258
			295669	101.74	102.32	0.58	2.181
			295670	102.32	102.90	0.58	0.978

LITHOLOGY REPORT
- Detailed -

Hole Number **86-44** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	*To* (m)	*Lithology*	*Sample #*	*From*	*To*	*Length*	*Au* (g/t)
			295671	102.90	103.24	0.34	0.181
			295672	103.24	103.54	0.30	14.350
			295673	103.54	104.15	0.61	6.839
			295674	104.15	104.76	0.61	0.334
			295676	104.76	105.58	0.82	0.254
			295677	105.58	106.68	1.10	0.178

DRILL HOLE REPORT

Hole Number **86-45** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 106.68
Started:
Completed:
Logged: 25-Nov-16
Comment:

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298058.16
North: 4947411.34
Elev.: 0
Zone: 18 **NAD:** NAD83

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-45** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.52	**Ovb** ***Overburden*** Overburden					
1.52	2.90	**1** ***Mafic to Intermediate Volcanics (undif*** dk grn, fg GS, mod to well fol, dense competent rock, few qtz/carb stringers, well carbonatized, fol @ 045; first 30' show short core sections with many ss surfaces (minor shearing0	295678	1.83	2.80	0.97	0.003
2.90	3.11	**10qc** ***Quartz-carbonate Vein*** conform, wht fg qtz, ~2.5 cm fg carb, chl incl, NVS					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-45** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
3.11	17.89	**1** ***Mafic to Intermediate Volcanics (undif*** grey fg granular siliceous zone (cherty interflow?) @ 12.0 - 12.8', conform, tr blebs po; 15 - 16' several 2.5 - 5 cm grey fg gran sil zones, all conform; Qtz/carb vein @ 27.0', conform, 8 cm, wht med gr, sharp cts, minor chl incl, tr blk tour, NVS; 30.0' - open joint (fault?), weathered surfaces, no alt, carb weathered out, no mechanical grinding or ss, ~045; 56 - 60' vfg schistose GS	295679	2.80	3.81	1.01	0.003
			295680	3.81	4.88	1.07	0.010
			295681	4.88	6.10	1.22	0.003
			295682	6.10	7.04	0.94	0.003
			295683	7.04	8.17	1.13	0.003
			295684	8.17	9.36	1.19	0.003
			295685	9.36	10.42	1.06	0.003
			295686	10.42	11.58	1.16	0.003
			295687	11.58	12.62	1.04	0.003
			295688	12.62	13.84	1.22	0.003
			295689	13.84	14.87	1.03	0.003
			295690	14.87	15.85	0.98	0.003
			295691	15.85	17.01	1.16	0.003
			295692	17.01	17.86	0.85	0.003
17.89	17.98	**10qc** ***Quartz-carbonate Vein*** x-cut @ 080, wht fg qtz, minor fg carb, minor dissem blebs py, v minor py frac fill films					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-45** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
17.98	24.57	**1** ***Mafic to Intermediate Volcanics (undif***	295693	17.86	18.23	0.37	2.823
		59.0 - 59.7' zone of numerous thin qtz/carb stringers conform to vein above (58.7'), abundant py and rust staining; 63.8' irreg qtz frag/pod; Qtz/carb vein @ 70.8', conform, 2 - 2.5 cm, wht fg qtz, minor carb, chl incl, NVS; 78.3' 8 cm band enriched with po blebs up to ~10%; grey/wht fg gran sil zone @ 79.0', 15 cm, conform, chl + wall incl along fol, tr dissem sulph	295694	18.23	19.05	0.82	0.008
			295695	19.05	20.09	1.04	0.034
			295696	20.09	21.34	1.25	0.003
			295697	21.34	22.31	0.97	0.003
			295698	22.31	23.13	0.82	0.003
			295699	23.13	24.26	1.13	0.008
24.57	25.36	**11s** ***Shear Zone***	295701	24.26	25.42	1.16	0.009
		well fol rock, numerous thin stringers& smears of qtz/carb, strong mineralization of 1 - 1.5mm blebs py along fol, ~5%, higher in certain horizons, occ dissem qtz frags up to 1 cm					
25.36	27.31	**1** ***Mafic to Intermediate Volcanics (undif***	295702	25.42	26.61	1.19	0.078
		87.2 - 91.0' grey fg granular sil zone with grn fg horizons up to 8 cm, diffuse cts	295703	26.61	27.43	0.82	0.031
27.31	27.43	**10qc** ***Quartz-carbonate Vein***					
		conform, 12 cm, wht f - mg qtz, minor carb, sharp cts, NVS					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-45** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
27.43	30.78	**1** ***Mafic to Intermediate Volcanics (undif*** strongly fol chl schist, well silicified, tr fg dissem py	295704	27.43	28.65	1.22	0.020
			295705	28.65	29.81	1.16	0.056
			295706	29.81	30.82	1.01	0.108
30.78	30.94	**11f** ***Fault Zone*** fissile and friable core, 040 - 045, multiple ss, minor sulph					
30.94	80.99	**1** ***Mafic to Intermediate Volcanics (undif*** Qtz/carb vein @ 101.7', conform @ 043, 5 cm, wht mg qtz, minor carb, chl incl, NVS; 101.9 - 125.5' qtz infused chl schist, recrystallized?, v competent long core pieces, minor blebs po, variable silicification; 134.9' zone of yellow/orange rust staining & grey powder, 2.5 cm; grey fg gran sil zone @ 139.0 - 141.1' & 141.6 - 143.1'; Qtz/carb vein @ 143.9', conform, 6 - 9 cm, wht fg qtz, tr sulph; grey fg gran sil zone @ 146.0 - 152'; grey gran sil zone 155 - 162.9'; highly silicified weakly fol @ 040; Qtz/carb vein @ 168.9', conform, 3.5 cm, wht f- mg qtz, irreg cts, v minor py frac fill films; grey gran sil zone @ 185.0', conform @ 045, continues to 207', gradational lower ct; Qtz/carb vein @ 198.7', x-cut?, 2.5 cm, wht fg qtz, minor py, minor po, tr cpy, blk tour prisms?; Qtz/carb vein @ 200.0', x-cut?, v irreg, diffuse cts, f - mg wht qtz, abundant chl incl, minor po; 204.1 - 204.4' zone of elevated sulph, dissem f - mg blebs po, minor py, tr cpy; grey/grn fg gran (cherty) zone @ 207 - 211', chl incl, dissem py, po, tr cpy, distinct fol, grades back to GS; massive to weak fol, intermittent intense silicification to 248'; 248 - 252' zone of intense silicification, grn/grey colour, minor fg carb, minor dissem py, grational lower ct	295707	30.82	31.76	0.94	0.090
			295708	31.76	32.58	0.82	0.121
			295709	32.58	33.53	0.95	0.078
			295710	33.53	34.41	0.88	0.050
			295711	34.41	35.63	1.22	0.065
			295712	35.63	36.58	0.95	0.132
			295713	36.58	37.40	0.82	0.013
			295714	37.40	38.62	1.22	0.033
			295715	38.62	39.62	1.00	0.201
			295716	39.62	40.60	0.98	0.324
			295717	40.60	41.48	0.88	0.169
			295718	41.48	42.67	1.19	0.539
			295719	42.67	43.68	1.01	0.170

LITHOLOGY REPORT
- Detailed -

Hole Number **86-45** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			295720	43.68	44.84	1.16	0.148
			295721	44.84	45.87	1.03	0.027
			295722	45.87	47.12	1.25	0.042
			295723	47.12	48.28	1.16	0.082
			295725	48.28	49.50	1.22	0.036
			295726	49.50	50.84	1.34	0.103
			295727	50.84	51.82	0.98	0.186
			295728	51.82	52.97	1.15	0.196
			295729	52.97	54.16	1.19	0.187
			295730	54.16	55.23	1.07	0.128
			295731	55.23	56.33	1.10	0.102
			295732	56.33	57.58	1.25	0.059
			295733	57.58	58.55	0.97	0.076
			295734	58.55	59.83	1.28	0.170
			295735	59.83	60.41	0.58	0.270
			295736	60.41	60.72	0.31	0.035
			295737	60.72	61.30	0.58	0.125
			295738	61.30	62.15	0.85	0.127
			295739	62.15	62.45	0.30	0.058
			295740	62.45	63.25	0.80	0.265
			295741	63.25	64.01	0.76	0.218
			295742	64.01	64.86	0.85	0.364
			295743	64.86	65.84	0.98	0.282
			295744	65.84	67.06	1.22	0.417
			295745	67.06	68.06	1.00	0.248
			295746	68.06	69.22	1.16	0.360
			295747	69.22	70.53	1.31	0.178

Hole Number **86-45** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			295749	70.53	71.81	1.28	0.346
			295750	71.81	72.79	0.98	0.836
			295751	72.79	73.67	0.88	1.000
			295752	73.67	74.89	1.22	0.745
			295753	74.89	75.59	0.70	0.572
			295754	75.59	75.90	0.31	0.564
			295755	75.90	76.38	0.48	0.204
			295756	76.38	77.21	0.83	0.193
			295757	77.21	77.88	0.67	0.169
			295758	77.88	79.16	1.28	0.304
			295759	79.16	80.16	1.00	0.243
			295760	80.16	80.92	0.76	0.400
80.99	82.24	**11f** ***Fault Zone*** brown, mg, bio rich recrystallized fault gouge, highly silicified, tough core, minor sub mm py cubes ~0.5%, fol @048; encloses zone 269.3 - 269.6', friable and fissile core, soft, no sulph or carb mineralization	295761	80.92	82.30	1.38	0.020
82.24	83.88	**1** ***Mafic to Intermediate Volcanics (undif*** grey fg gran sil zone @ 272.6 - 275', encloses Qtz/carb vein @ 274.2', x-cut?, 2.5 cm, wht mg qtz, minor carb, minor po	295762	82.30	83.52	1.22	0.037

LITHOLOGY REPORT
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Hole Number **86-45** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
83.88	87.42	**10qc** ***Quartz-carbonate Vein*** x-cut?, irreg, mainly massive wht cg qtz, minor cg carb, irreg, cg py, minor fg frac fill, minor cpy	295763	83.52	84.43	0.91	0.032
			295764	84.43	85.22	0.79	0.007
			295765	85.22	85.83	0.61	0.052
			295766	85.83	87.05	1.22	0.045
87.42	106.68	**1** ***Mafic to Intermediate Volcanics (undif*** grey gran sil zone @ 290 - 298', green chl zones, occ stringers, diffuse cts, dissem blebs po, cpy, py, minor po blebs; Qtz/po vein @ 315.0', x-cut @ 075, 1 cm, wht f -m - cg qtz, cg po/py; Qtz/carb vein @ 338.6', x-cut @ 065, 2.5 - 4 cm, v minor carb, wht cg qtz, minor py, po + cpy blebs; just below is thin qtz/carb stringer minor cpy blebs, tr po; 344.8 - 350.0' grey, fg (but coarser than rest of core), looks essentially as qtzite with chl, tr dissem sulph with fine etched lines of weathered out carb; Qtz/carb vein @ 347.0 - 347.6', conform?, slight boudinage, wht mg qtz, minor carb, abundant chl + all incl, v minor po, ragged cts; EOH @ 350.0'	295767	87.05	88.21	1.16	0.066
			295768	88.21	89.12	0.91	0.007
			295769	89.12	89.76	0.64	0.003
			295770	89.76	90.92	1.16	0.016
			295771	90.92	91.90	0.98	0.106
			295772	91.90	93.21	1.31	0.164
			295774	93.21	94.49	1.28	0.083
			295775	94.49	95.40	0.91	0.026
			295776	95.40	95.86	0.46	0.059
			295777	95.86	96.16	0.30	0.038
			295778	96.16	96.77	0.61	0.071
			295779	96.77	97.54	0.77	0.072
			295780	97.54	98.39	0.85	0.112
			295781	98.39	99.24	0.85	0.133
			295782	99.24	100.58	1.34	0.126
			295783	100.58	101.71	1.13	0.072
			295784	101.71	102.44	0.73	0.117
			295785	102.44	103.05	0.61	0.017
			295786	103.05	103.36	0.31	0.047
			295787	103.36	104.21	0.85	0.086
			295788	104.21	105.55	1.34	0.081

LITHOLOGY REPORT
- Detailed -

Hole Number **86-45** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	*To* (m)	*Lithology*	*Sample #*	*From*	*To*	*Length*	*Au* (g/t)
			295789	105.55	106.68	1.13	0.052

DRILL HOLE REPORT

Hole Number **86-46** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 60.96
Started:
Completed:
Logged: 26-Nov-16
Comment:

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298187.4
North: 4947346.35
Elev.: 0
Zone: 18 **NAD:** NAD83

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-46** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	3.05	**Ovb** ***Overburden*** Overburden					
3.05	3.66	**2** ***Meta-Pelitic Sediments (undifferentiat*** lt/med/dk grey, well fol and banded, f - mg, phyllitic metasediments, some contorted bedding, and folding, minor f - mg dissem blebs py along fol, occ horizons of bio and/or chl or sericite rich material, minor rusty zones					
3.66	3.75	**10qc** ***Quartz-carbonate Vein*** cts ? missing, wht mg qtz, v minor carb, minor blebs py, minor fg py frac fill	295790	3.57	3.87	0.30	0.006
3.75	12.31	**2** ***Meta-Pelitic Sediments (undifferentiat*** fol @ 035 (13'); Qtz/carb vein @ 16.0', x-cut @ 075, 1 cm, grey fg gran qtz, minor fg carb, NVS; Qtz/carb vein @ 21.3', x-cut 057, 1 cm, wht fg qtz, minor fg carb + fg py; 2 qtz/carb veins @ 27.2', irreg & x-cut @052, 3 mm ea, wht/grey fg qtz, NVS; Carb/py vein @ 37.7', x-cut @ 075, 1 cm, fg	295791	3.87	4.85	0.98	0.005
			295792	4.85	5.00	0.15	0.003
			295793	6.37	6.68	0.31	0.006

LITHOLOGY REPORT
- Detailed -

Hole Number **86-46** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
12.31	12.37	**11f** ***Fault Zone*** broken core, ~5 cm, water worn cavity, minor staining, ~040					
12.37	12.62	**2** ***Meta-Pelitic Sediments (undifferentiat*** Metasediments					
12.62	12.68	**11f** ***Fault Zone*** broken core, ~5 cm, breccia in cal cement gouge,minor py, ~ 042					
12.68	25.91	**2** ***Meta-Pelitic Sediments (undifferentiat*** Qtz vein @ 79.3', x-cut slightly @ 052, fol around vein appears slightly sheared, 5 cm, wht mg qtz, minor carb, minor fg py blebs and frac fill films, slight boudinage appearance; Qtz/carb vein @ 80.4', appears conform @ 022, 12 cm, wht fg qtz, v minor carb, minor fg py blebs + frac fill films	295794 295795	24.14 24.90	24.90 25.91	0.76 1.01	0.003 0.011

LITHOLOGY REPORT
- Detailed -

Hole Number **86-46** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
25.91	26.06	**10qc** ***Quartz-carbonate Vein*** cts? missing pcs, wht cg qtz, minor cg carb, minor cg po; just below vein is 1 cm qtz/carb vein at v low angle, tr sulph					
26.06	55.35	**2** ***Meta-Pelitic Sediments (undifferentiat*** 105.9 - 106.7', zone with 3 qtz veins, x-cut slightly, ~ 1 cm ea, slightly boudinaged, mg wht qtz, minor carb, minor blebs po, qtzite/phyllite schist fol/bedding variable; Qtz/carb vein @ 112.5', x-cut, 3 cm, wht mg qtz, minor carb & py/po blebs,small qtz frags in phyllite around vein 9shearing); Qtz vein @ 113.1', conform, 1 cm, fg; Qtz/carb vein @ 122.4', conform, v irreg, ~5 cm, irreg cts, fg, minor po blebs, v minor py frac fill films; Qtz/carb vein @ 132.0', x-cut @ 070, 5 cm, mg wht qtz, minor carb, minor py blebs, v minor fg py frac fill films; Qtz/carb vein @ 132.3', x-cut, fg wht qtz, minor carb, minor fg py; Qtz/carb vein @ 135.8', irreg & x-cut, 1 cm, fg wht qtz, minor carb, minor po/py, minor galena; fol @ 036 (136'); Qtz/carb vein @ 139.2', x-cut, 0.5 - 1.5 cm, NVS; 139.3' sericite zone ~5 cm, NVS; Qtz/carb vein @ 141.0', x-cut @ 080, 4 cm, wht fg qtz, minor carb, flakes of sericite, minor po blebs; Qtz/carb vein @ 141.5' as above (141.0'), 7 cm; 145.2 - 145.6', sericite rich zone, conform @ 035; Qtz vein @152.6', v irreg, ragged cts, in highly sericitized zone, wht mg qtz, minor po blebs, fol contorted around vein; Qtz/carb vein @ 166.3', ~5 cm, boudinaged pieces, wht mg qtz, minor carb + po blebs + sericite wall incl along fol, minor brick red hem staining; Qtz/carb vein @ 166.8', conform @ 045, 3.5 cm, fg, minor carb, po + sericite incl; 166 - 170' v silicified phyllite with abundant po/py blebs/smears along fol @ 035 (some variation); Qtz/carb vein @ 168.8', x-cut @ 055, 1.5 cm, wht fg qtz/carb, minor po blebs, tr py, irreg + diffuse; Qtz frag (boudinaged piece) @ 170.1', irreg, minor fg carb, NVS; 170 - 174' qtz vein frags aligned along fol, minor carb, minor sulph (minor shearing); Qtz/carb vein @ 174.7', conform, 2 cm, wht fg qtz, minor fg carb + po blebs, chl + sericite incl, irreg cts, vein crossed by core break against fol direction (and vein direction), break carries 2 - 3mm seam sericite/chl; 176 - 178' similar to 170 - 174', numerous small qtz vein frags along fol (shearing);	295796	25.91	26.21	0.30	0.010
			295797	26.21	26.79	0.58	0.029
			295799	26.79	28.10	1.31	0.011
			295800	31.73	32.95	1.22	0.003
			295801	32.95	33.99	1.04	0.010
			295802	33.99	34.63	0.64	0.003
			295803	34.63	35.78	1.15	0.007
			295804	35.78	36.79	1.01	0.009
			295805	36.79	37.52	0.73	0.007
			295806	37.52	38.65	1.13	0.009
			295807	38.65	39.62	0.97	0.006
			295808	39.62	40.20	0.58	0.008
			295809	40.20	40.51	0.31	0.007
			295810	40.51	41.27	0.76	0.011
			295811	41.27	41.88	0.61	0.013
			295812	41.88	42.95	1.07	0.011
			295813	42.95	43.28	0.33	0.025
			295814	43.28	44.29	1.01	0.021
			295815	44.29	45.38	1.09	0.005
			295816	45.38	46.48	1.10	0.008

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			295817	46.48	47.15	0.67	0.005
			295818	47.15	48.16	1.01	0.010
			295819	48.16	49.16	1.00	0.011
			295820	49.16	50.26	1.10	0.012
			295821	50.26	51.51	1.25	0.006
			295822	51.51	52.55	1.04	0.008
			295824	52.55	53.52	0.97	0.010
			295825	53.52	54.74	1.22	0.015
			295826	54.74	55.32	0.58	0.015
55.35	55.66	**11f** ***Fault Zone*** broken core pcs, bad recovery; core cracked with low angle fracture and splits easily along fol giving rubble, many ss surfaces, minor py and rust staining					
55.66	55.99	**11s** ***Shear Zone*** well fol, fg, blk & wht layered qtzite bio/chl schist splitting in 5 - 10 cm sections with minor ss surfaces	295827	55.32	56.39	1.07	0.032
55.99	59.80	**2** ***Meta-Pelitic Sediments (undifferentiat*** 183.7 - 185.2' - missing split core pcs, similar to 170 - 174', well fol, sil rich sericitic phyllite with qtz veins frags along fl, minor carb & sulph - po, py, tr cpy; Qtz vein @ 185.2', cts? Missing pcs, ragged cts, wht m - cg qtz, minor mg po + py, 4 mm zone at upp ct with wht m-cg fsp, minor carb, sericite incl; Qtz/carb vein @ 187.3', conform, wht mg qtz, abundant fg py/marcas + mg carb (ankerite), minor cpy, minor sericite incl, 10 cm, minor sub to euhedral py cubes; Qtz vein @ 188.6 - 189.9', x-cut?, wht mottled to	295828	56.39	57.39	1.00	0.020
			295829	57.39	58.22	0.83	0.025
			295830	58.22	59.50	1.28	0.029
			295831	59.50	60.02	0.52	0.041

LITHOLOGY REPORT
- Detailed -

Hole Number **86-46** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		grey mg qtz, minor marcas, minor dissem blebs po, minor mg wht fsp, minor sericite incl, lower ct ss @ 050; Qtz vein @ 190.4 - 190.8', app conform, wht mottled f-mg qtz, minor marcas,, py, po, cpy, sericite incl; all veins in sericite rich zone extending to 191.5'					
59.80	59.86	**11f** ***Fault Zone*** fault conform @ 040, breccia in f-mg cal cement, minor fg py, wall frags, 4 cm					
59.86	60.96	**2** ***Meta-Pelitic Sediments (undifferentiat*** sericitic phyllite to EOH @ 200.0'	295832	60.02	60.96	0.94	0.019

DRILL HOLE REPORT

Hole Number **86-47** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -60
Length: 96.01
Started:
Completed:
Logged: 27-Dec-16
Comment:

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298187.4
North: 4947346.35
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-60.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-47** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	2.44	**Ovb** ***Overburden*** Rubble to ~ 9'					
2.44	2.90	**2** ***Meta-Pelitic Sediments (undifferentiat*** lt to med grey, fg, quartzitic and sericitic phyllitic metasediments, some contorted bedding and folding, banded mudstones and quartzites, tr to minor dissem blebs fg py, well fol @ 045					
2.90	2.99	**10qc** ***Quartz-carbonate Vein*** x-cut @ 060, wht mg qtz, minor mg carb + py blebs at lower ct, v minor fg py frac fill films					
2.99	3.84	**2** ***Meta-Pelitic Sediments (undifferentiat*** Qtz/carb vein @ 11.4 - 11.7', v irreg, diffuse cts, conform?, minor carb, minor blebs po, v minor fg py frac fill films, wall incl along fol; 11.9 - 12.2', boudinaged qtz/carb vein, fg qtz, diffuse cts, minor carb, minor po, v minor py films; 2 seams @ 12.5', slightly x-cut, ~ 3 mm, fg carb, minor fg qtz, tr sulph					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-47** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
3.84	3.99	**11s** ***Shear Zone*** broken core sections, fissile, multiple ss, no alt or mineralization					
3.99	4.33	**2** ***Meta-Pelitic Sediments (undifferentiat*** Metasediments					
4.33	4.39	**11s** ***Shear Zone*** short core sections with ss, minor fg cal, or other alt or mineralization					
4.39	4.57	**2** ***Meta-Pelitic Sediments (undifferentiat*** Metasediments					
4.57	4.75	**11s** ***Shear Zone***					

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
		broken core sections, fissile, multiple ss, no alt or mineralization; intersect with low angle joint showing ss					
4.75	16.46	**2** ***Meta-Pelitic Sediments (undifferentiat*** Qtz/carb vein @ 16.0', x-cut?, 8 cm, wht mg qtz, minor carb, v minor fg py frac fill, minor py blebs, small cavities with relict marcas; Qtz/carb vein frag (~5 x 5 cm) @ 27.1'; Qtz vein @ 32.0', x-cut, 1 cm, wht fg qtz, minor fg py frac fill; Qtz/carb vein @ 44.7', conform?, 1 - 2 cm, minor blebs py/marcas, weathered pits with relict marcas + rust staining	295833	9.75	10.94	1.19	0.003
			295834	10.94	11.95	1.01	0.003
			295835	11.95	13.08	1.13	0.003
			295836	13.08	14.23	1.15	0.003
			295837	14.23	15.09	0.86	0.014
			295838	15.09	16.25	1.16	0.006
			295839	16.25	16.67	0.42	0.021
16.46	16.55	**11f** ***Fault Zone*** upp ct @ 022, lower ct @ 028, breccia in f - cg cal cement with minor fg py					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-47** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
16.55	28.50	**2** ***Meta-Pelitic Sediments (undifferentiat*** 59 - 61' occ qtz patches/frags, diffuse cts, boudinaged frags?; Qtz/carb vein @ 61.5', slightly x-cut, 1 cm, wht fg qtz/carb, minor blebs po; Qtz/carb vein @ 62.2', cts?, missing pcs, tr sulph; Qtz/carb vein @ 67.2', x-cut, irreg, 3 cm, wht m-cg qtz, wht mg cal, brn m-cg ankerite, minor mg po blebs, tr py; 67 - 71' sericite rich zone with variable sulph content, fat blebs py + po along fol @ 026	295842	18.47	19.11	0.64	0.007
			295843	19.11	20.33	1.22	0.005
			295844	20.33	21.31	0.98	0.003
			295845	21.31	22.52	1.21	0.003
			295846	22.52	23.50	0.98	0.003
			295847	23.50	24.57	1.07	0.028
			295848	24.57	25.76	1.19	0.006
			295850	25.76	26.55	0.79	0.006
			295851	26.55	27.80	1.25	0.003
			295840	16.67	17.47	0.80	0.006
			295841	17.47	18.47	1.00	0.006
			295852	27.80	28.47	0.67	0.007
28.50	28.71	**10qc** ***Quartz-carbonate Vein*** x-cut @ 070, wht mg qtz, v minor carb, minor po blebs, mainly massive wht qtz	295853	28.47	28.77	0.30	0.006
28.71	47.58	**2** ***Meta-Pelitic Sediments (undifferentiat*** Qtz/carb vein @ 105.7', x-cut @ 075, 1 cm, grey fg qtz, f-cg po/py blebs, minor wht mg cal, tr fg grey metal (gal?); 110 - 113' sericite and silica rich zone; Qtz/carb vein @ 131.8', x-cut, 1 - 2.5 cm, irrreg, wht fg qtz, v minor carb, minor po blebs, minor dk brn sub metallic (sphal?) mg blebs; Qtz/carb vein @ 140.3', conform but irreg, 8.5 cm, wht fg qtz, minor dissem po, abundant wall frags along fol; Qtz/carb vein @ 154.0', x-cut?, 2.5 cm, wht mg qtz, minor cal, accessory f-mg po	295854	28.77	29.20	0.43	0.006
			295855	29.20	30.24	1.04	0.006
			295856	30.24	31.09	0.85	0.008
			295857	31.09	32.06	0.97	0.003
			295858	32.06	32.37	0.31	0.008
			295859	32.37	33.28	0.91	0.008
			295860	33.28	34.14	0.86	0.007
			295861	34.14	34.96	0.82	0.006

LITHOLOGY REPORT
- Detailed -

Hole Number **86-47** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			295862	34.96	36.21	1.25	0.008
			295863	36.21	37.19	0.98	0.008
			295864	37.19	38.19	1.00	0.009
			295865	38.19	39.41	1.22	0.008
			295866	39.41	40.26	0.85	0.007
			295867	40.26	41.42	1.16	0.003
			295868	41.42	42.43	1.01	0.003
			295869	42.43	43.13	0.70	0.003
			295870	43.13	43.86	0.73	0.003
			295871	43.86	45.08	1.22	0.013
			295872	45.08	45.87	0.79	0.006
			295873	45.87	46.82	0.95	0.006
			295875	46.82	47.12	0.30	0.015
			295876	47.12	47.98	0.86	0.003
47.58	47.95	**10qc** ***Quartz-carbonate Vein*** conform, subparallel, tw ~ 3 cm, wht fg gran qtz/carb, tr py + cpy					
47.95	50.84	**2** ***Meta-Pelitic Sediments (undifferentiat*** Qtz vein @ 160.8', x-cut, 3.5 cm, wht mg qtz, minor mg po, minor py + sphal?, tr cpy; siliceous above and below; sulph increase at 162.6', dissem py blebs up to ~2%	295877	47.98	48.86	0.88	0.010
			295878	48.86	49.16	0.30	0.003
			295879	49.16	50.02	0.86	0.046
			295880	50.02	50.87	0.85	0.015

LITHOLOGY REPORT
- Detailed -

Hole Number **86-47** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
50.84	51.02	**10qc** ***Quartz-carbonate Vein*** conform, wht mg qtz, minor carb (cg dol or ankerite), brecciated look to qtz and carb, sericite incl, minor po + py					
51.02	61.75	**2** ***Meta-Pelitic Sediments (undifferentiat*** 183 - 186' increased sulph content gives light rusty colour to core (py + po); 188.7', seam of massive cg po, 2 cm, with minor py, euhedral up to 3 mm cubes, minor cpy, tr bornite?; Qtz vein @ 198.9', x-cut, 3.5 cm, wht mg qtz, minor blebs po	295881	50.87	51.45	0.58	0.003
			295882	51.45	52.43	0.98	0.015
			295883	52.43	53.46	1.03	0.034
			295884	53.46	54.44	0.98	0.020
			295885	54.44	55.47	1.03	0.029
			295886	55.47	56.54	1.07	0.041
			295887	56.54	57.15	0.61	0.019
			295888	57.15	57.70	0.55	0.026
			295889	57.70	58.52	0.82	0.014
			295890	58.52	59.50	0.98	0.022
			295891	59.50	60.47	0.97	0.012
			295892	60.47	60.96	0.49	0.003
			295893	60.96	61.57	0.61	0.023
61.75	61.90	**10qc** ***Quartz-carbonate Vein*** conform?, wht mg qtz, irreg cts, diffuse, cg carb, abundant wall frags, sericite incl, minor po + py, tr cpy					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-47** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
61.90	73.82	**2** ***Meta-Pelitic Sediments (undifferentiat*** Qtz/carb vein @ 204.2', conform?, 8 cm, wht fg qtz, minor fg carb, sericite incl, abundant wall frags, minor dissem blebs po and one lg bleb po (1 x 4 cm); Qtz/carb vein @ 205.0', contorted, 2 cm, v irreg, wht fg qtz, minor fg carb, tr sulph, hem staining; Qtz/carb vein @ 208.0', contorted, 3 cm, wht fg qtz, minor carb, lg bleb po (1 x 2 cm); Qtz/carb vein @ 209.4', conform?, 3.5 cm, wht mg , m-cg carb, minor sericite incl, minor cg py + po, tr sphal?; 215 - 226' sulph content increases to ~ 10 - 15% dissem blebs along fol; 226 - 242' unit becomes dk grey, rusty, with gt porphyoblasts developing along banding close to 242'; Qtz/carb vein just above ct, boudinaged, v irreg, NVS	295894	61.57	62.33	0.76	0.026
			295895	62.33	63.43	1.10	0.014
			295896	63.43	64.01	0.58	0.009
			295897	64.01	64.98	0.97	0.038
			295898	64.98	65.90	0.92	0.016
			295899	65.90	67.12	1.22	0.030
			295901	67.12	68.18	1.06	0.055
			295902	68.18	69.37	1.19	0.019
			295903	69.37	70.50	1.13	0.010
			295904	70.50	71.14	0.64	0.024
			295905	71.14	72.33	1.19	0.022
			295906	72.33	73.40	1.07	0.020
			295907	73.40	73.97	0.57	0.010
73.82	96.01	**1** ***Mafic to Intermediate Volcanics (undif*** ct @033 to dk grn chl schist, well fol conform to ct, well carbonatized above and below ct, GS below ct becomes mod to weak fol and mod to poorly carbonatized with occ stringers and ambylgoidal zones; Qtz/carb vein @ 256.4', slightly x-cut, 2 - 3 cm, wht cg qtz, minor rusty ankerite, NVS; 274 - 278' unit highly silicified, vfg; becomes highly carbonatized; 293 - 299' zone of numerous contortedstringers/veins, boudinaged qtz/carb pcs, tr sulph (minor shearing); no distinct veins through to EOH @ 315'	295908	73.97	75.16	1.19	0.003
			295909	75.16	76.11	0.95	0.003
			295910	76.11	76.99	0.88	0.003
			295911	76.99	78.15	1.16	0.003
			295912	78.15	79.10	0.95	0.055
			295913	79.10	80.10	1.00	0.003
			295914	80.10	81.35	1.25	0.003
			295915	81.35	82.54	1.19	0.009
			295916	82.54	83.39	0.85	0.003
			295917	83.39	84.49	1.10	0.003
			295918	84.49	85.80	1.31	0.003
			295919	85.80	86.59	0.79	0.003
			295920	86.59	87.45	0.86	0.003
			295921	87.45	88.67	1.22	0.005

LITHOLOGY REPORT
- Detailed -

Hole Number **86-47** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	*To* (m)	*Lithology*	*Sample #*	*From*	*To*	*Length*	*Au* (g/t)
			295922	88.67	89.58	0.91	0.003
			295923	89.58	90.62	1.04	0.003
			295924	90.62	91.62	1.00	0.006
			295926	91.62	92.63	1.01	0.011
			295927	92.63	93.76	1.13	0.003
			295928	93.76	94.73	0.97	0.003
			295929	94.73	96.01	1.28	0.003

DRILL HOLE REPORT

Hole Number **86-50** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

Drilling
Azimuth: 235
Dip: -45
Length: 91.44
Started:
Completed:
Logged: 30-Nov-16

Casing
Length: 0
Pulled:
Capped:
Cemented:

Core
Dimension: BQ
Storage: MNDM Office
Section:
Hole Type DD

Location
Township: MADOC
Claim No.:
NTS:
Hole: SURFACE

Other
Logged by:
Relog by: Chris Fouts
Contractor: Historic Core
Spotted by:
Surveyed:
Surveyed by:
Geophysics:
Geophysic Contractor:
Left in hole:
Making water:
Multi shot survey:

Comment: Overlapping intervals from 59.56-61.57m at the time of report. Pending data verification.

Coordinate - Gemcom
East: 0
North: 0
Elev.: 0

Coordinate - UTM
East: 298005.2
North: 4947342.01
Elev.: 0
Zone: 18 **NAD:** NAD83

Deviation Tests

Distance	*Azimuth*	*Dip*	*Type*	*Good*	*Comments*
0.00	235.00	-45.00	C	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **86-50** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
0.00	1.83	**Ovb** ***Overburden*** Casing to 6.0'					
1.83	4.18	**1** ***Mafic to Intermediate Volcanics (undif*** Greenstone, f gr, med green, mod fol to massive, minor f gr qtz zones (cherty segregations), tr dissem po + py, minor epidote					
4.18	4.27	**10qc** ***Quartz-carbonate Vein*** X-cutting, wht qtz, f - med gr, , tr py, weathering out of carb, minor core grinding, cts not seen here					
4.27	7.92	**1** ***Mafic to Intermediate Volcanics (undif*** unit becomes moderately carbonatized at about 20'; fol 042 @ 23'	330216	4.39	5.52	1.13	0.003
			330217	5.52	6.34	0.82	0.025
			330218	6.34	7.38	1.04	0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-50** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
7.92	10.06	**1** ***Mafic to Intermediate Volcanics (undif*** zone of numerous grey, f gr granular, conformable (cherty segregations), ranging 3 - 15 cm thick	330219	7.38	8.60	1.22	0.003
			330220	8.60	9.60	1.00	0.003
			330221	9.60	10.30	0.70	0.003
10.06	17.28	**1** ***Mafic to Intermediate Volcanics (undif*** minor qtz/carb veins about 1", conformable, f gr, tr sulph; fol 042 @ 47'	330222	10.30	11.43	1.13	0.003
			330223	11.43	12.47	1.04	0.003
			330225	12.47	13.56	1.09	0.007
			330226	13.56	14.69	1.13	0.014
			330227	14.69	15.54	0.85	0.003
			330228	15.54	16.25	0.71	0.003
			330229	16.25	17.59	1.34	0.003
17.28	17.59	**1** ***Mafic to Intermediate Volcanics (undif*** number of sheared qtz/carb veins, conform, thin (0.5 - 2 cm), minor dissem py + marcas					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-50** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
17.59	26.94	**1** ***Mafic to Intermediate Volcanics (undif*** occassional qtz/carb veins, conform, 2.5 - 5 cm, f gr, tr sulph; fol 042 @ 78'	330230	17.59	18.68	1.09	0.003
			330231	18.68	19.87	1.19	0.003
			330232	19.87	20.85	0.98	0.003
			330233	20.85	21.95	1.10	0.003
			330234	21.95	22.92	0.97	0.008
			330235	22.92	23.62	0.70	0.003
			330236	23.62	24.41	0.79	0.003
			330237	24.41	25.54	1.13	0.003
			330238	25.54	26.12	0.58	0.003
			330239	26.12	26.79	0.67	0.008
26.94	26.97	**1** ***Mafic to Intermediate Volcanics (undif*** 2 qtz/carb veins about 0.5 cm, irreg, med gr qtz, minor carb, chl incl, minor mgt octahedra in upper ct, cts chl rich	330240	26.79	27.10	0.31	0.027
26.97	27.61	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	330241	27.10	27.89	0.79	0.003
27.61	27.80	**1** ***Mafic to Intermediate Volcanics (undif*** zone of diffuse v fg epidote					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-50** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
27.80	31.09	**1** ***Mafic to Intermediate Volcanics (undif***	330245	30.51	31.64	1.13	0.036
		contains one qtz/carb vein, conform, 5 cm	330242	27.89	28.77	0.88	0.003
			330243	28.77	29.81	1.04	0.020
			330244	29.81	30.51	0.70	0.003
31.09	35.05	**1** ***Mafic to Intermediate Volcanics (undif***	330246	31.64	32.71	1.07	0.003
		highly silicified gs; multiple qtz/py veinlets 112.3' - 112.9'	330247	32.71	33.62	0.91	0.006
			330248	33.62	34.14	0.52	0.027
			330250	34.14	34.44	0.30	0.084
			330251	34.44	35.05	0.61	0.064
35.05	37.06	**1** ***Mafic to Intermediate Volcanics (undif***	330252	35.05	35.75	0.70	0.101
		unit becomes foliated, minor biotite	330253	35.75	36.97	1.22	0.015
37.06	37.22	**1** ***Mafic to Intermediate Volcanics (undif***	330254	36.97	37.43	0.46	0.070
		several thin veinlets (mm scale) of qtz/carb/py/cpy, minor po blebs, orientated about 060 to 080					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-50** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
37.22	37.89	**10qc** ***Quartz-carbonate Vein*** x-cut, med gr wht qtz, minor carb and py, 2.5 cm; ~070	330255	37.43	37.98	0.55	8.025
37.89	49.07	**1** ***Mafic to Intermediate Volcanics (undif*** massive tex to ~ 161'	330256	37.98	38.59	0.61	0.309
			330257	38.59	39.11	0.52	0.046
			330258	39.11	40.23	1.12	0.010
			330259	40.23	41.00	0.77	0.382
			330260	41.00	41.76	0.76	0.027
			330261	41.76	42.82	1.06	0.003
			330262	42.82	43.89	1.07	0.014
			330263	43.89	44.68	0.79	0.058
			330264	44.68	45.66	0.98	0.111
			330265	45.66	46.63	0.97	0.070
			330266	46.63	47.49	0.86	0.019
			330267	47.49	48.71	1.22	0.016
			330268	48.71	49.38	0.67	0.003

LITHOLOGY REPORT
- Detailed -

Hole Number **86-50** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
49.07	56.39	**1** ***Mafic to Intermediate Volcanics (undif*** unit becomes increasingly foliated (025 - 030), and well carbonatized, occ vein frags	330269	49.38	50.44	1.06	0.003
			330270	50.44	51.33	0.89	0.003
			330271	51.33	52.09	0.76	0.003
			330272	52.09	53.22	1.13	0.003
			330273	53.22	53.64	0.42	0.011
			330275	53.64	54.74	1.10	0.015
			330276	54.74	55.90	1.16	0.066
			330277	55.90	56.78	0.88	0.074
56.39	65.68	**11f** ***Fault Zone*** well fol (043), bio schist with small frags of gs + qtzite (cherty zone), minor v fg dissem po + py, recrystallized	330278	56.78	57.64	0.86	0.252
			330279	57.64	58.95	1.31	0.113
			330280	58.95	59.56	0.61	0.246
			330281	59.56	60.62	1.06	0.129
			330282	60.47	61.57	1.10	0.150
			330283	61.57	62.54	0.97	0.131
			330284	62.54	63.43	0.89	0.032
			330285	63.43	64.43	1.00	0.074
			330286	64.43	65.44	1.01	0.156
65.68	78.64	**1** ***Mafic to Intermediate Volcanics (undif*** massive gs, occ f gr qtz/carb veins conform @ 033, occ grey, f gr gran sil zones (cherty)	330287	65.44	66.32	0.88	0.093
			330288	66.32	67.27	0.95	0.062
			330289	67.27	68.28	1.01	0.404
			330290	68.28	69.19	0.91	0.031
			330291	69.19	70.29	1.10	0.104
			330292	70.29	71.26	0.97	0.177
			330293	71.26	72.33	1.07	0.217
			330294	72.33	73.46	1.13	0.081
			330295	73.46	74.31	0.85	0.259

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
			330296	74.31	75.19	0.88	0.198
			330297	75.19	75.74	0.55	0.338
			330298	75.74	76.96	1.22	0.087
			330300	76.96	78.15	1.19	0.086
			330301	78.15	78.73	0.58	0.111
78.64	78.85	**1** ***Mafic to Intermediate Volcanics (undif*** 1 cm irreg vein @ 013, tr sulph minor wall rock incl					
78.85	80.77	**1** ***Mafic to Intermediate Volcanics (undif*** grain size increase to med gr; recrystallized?	330302	78.73	79.86	1.13	0.188
			330303	79.86	80.71	0.85	0.046
80.77	81.44	**1** ***Mafic to Intermediate Volcanics (undif*** f gr gs	330304	80.71	81.47	0.76	0.094
81.44	81.47	**10qc** ***Quartz-carbonate Vein*** x-cut @ 060, med gr, tr po + py					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-50** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
81.47	83.64	**1** ***Mafic to Intermediate Volcanics (undif*** diffuse cts of well silicified and carbonatized rock with epidote, tr py	330305	81.47	82.54	1.07	0.208
			330306	82.54	83.61	1.07	0.230
83.64	84.80	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics	330307	83.61	84.67	1.06	0.224
84.80	84.86	**10qc** ***Quartz-carbonate Vein*** generally conformable, f to med gr, minor py + po, minor v fg py fracture fill films near lower ct					

LITHOLOGY REPORT
- Detailed -

Hole Number **86-50** Project: **BANNOCKBURN 2016 RESAM** Project Number: **002**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Au (g/t)
84.86	90.04	**1** ***Mafic to Intermediate Volcanics (undif*** conform qtz/carb veins at 279.0' (7 cm), 281.6' (0.5 cm), 290.0' (2.5 cm), with minor to tr po + py	330308	84.67	85.74	1.07	0.344
			330309	85.74	86.50	0.76	0.190
			330310	86.50	87.54	1.04	0.177
			330311	87.54	88.64	1.10	0.254
			330312	88.64	89.86	1.22	0.316
90.04	90.07	**10qc** ***Quartz-carbonate Vein*** x-cut @ 055, med gr, minor blebs of po + py, minor epidote in wall rock					
90.07	91.44	**1** ***Mafic to Intermediate Volcanics (undif*** Metavolcanics. EOH	330313	89.86	90.59	0.73	0.165
			330314	90.59	91.44	0.85	0.426

16 Appendix III – Assay Certificates

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Thursday, November 24, 2016

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Date Received: 11/08/2016
Date Completed: 11/24/2016
Job #: 201642324
Reference: CWM-BAN
Sample #: 370

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234583	332001	<0.005	
234584	332002	<0.005	
234585	332003	<0.005	
234586	332004	<0.005	
234587	332005	0.384	
234588	332006	0.239	
234589	332007	0.365	
234590	332008	0.984	
234591	332009	0.008	
234592	332010	0.013	
234593	332010 Dup	0.007	
234594	332011	0.030	
234595	332012	0.026	
234596	332013	0.050	
234597	332014	0.012	
234598	332015	0.041	
234599	332016	0.128	
234600	332017	0.022	
234601	332018	<0.005	
234602	332019	0.075	
234603	332020	0.193	
234604	332020 Dup	0.226	
234605	332021	0.260	
234606	332022	0.032	
234607	332023	0.091	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Authorized By:
Derek Demianiuk, VP Quality

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234608	332024	0.016	
234609	332025	5.613	
234610	332026	0.100	
234611	332027	1.687	
234612	332028	0.030	
234613	332029	1.862	
234614	332030	0.051	
234615	332030 Dup	0.041	
234616	332031	0.013	
234617	332032	0.019	
234618	332033	<0.005	
234619	332034	0.246	
234620	332035	>10.000	14.215
234621	332036	0.133	
234622	332037	0.009	
234623	332038	0.012	
234624	332039	1.015	
234625	332040	0.070	
234626	332040 Dup	0.090	
234627	332041	0.006	
234628	332042	0.066	
234629	332043	0.049	
234630	332044	0.017	
234631	332045	0.188	
234632	332046	0.119	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234633	332047	0.203	
234634	332048	0.226	
234635	332049	0.064	
234636	332050	0.167	
234637	332050 Dup	0.168	
234638	332051	0.121	
234639	332052	1.021	
234640	332053	0.007	
234641	332054	<0.005	
234642	332055	<0.005	
234643	332056	0.202	
234644	332057	0.005	
234645	332058	<0.005	
234646	332059	0.010	
234647	332060	0.028	
234648	332060 Rep	0.066	
234649	332061	<0.005	
234650	332062	<0.005	
234651	332063	<0.005	
234652	332064	<0.005	
234653	332065	0.257	
234654	332066	0.081	
234655	332067	0.010	
234656	332068	0.402	
234657	332069	0.049	

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234658	332070	0.035	
234659	332070 Dup	0.010	
234660	332071	<0.005	
234661	332072	5.452	
234662	332073	0.010	
234663	332074	0.018	
234664	332075	<0.005	
234665	332076	0.286	
234666	332077	0.366	
234667	332078	0.106	
234668	332079	0.071	
234669	332080	<0.005	
234670	332080 Dup	0.010	
234671	332081	0.009	
234672	332082	0.036	
234673	332083	0.072	
234674	332084	0.010	
234675	332085	<0.005	
234676	332086	<0.005	
234677	332087	>10.000	14.219
234678	332088	0.252	
234679	332089	0.266	
234680	332090	0.032	
234681	332090 Dup	0.023	
234682	332091	0.006	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234683	332092	0.040	
234684	332093	0.039	
234685	332094	0.047	
234686	332095	0.038	
234687	332096	0.047	
234688	332097	0.028	
234689	332098	0.021	
234690	332099	0.989	
234691	332100	0.022	
234692	332100 Dup	0.018	
234693	332101	<0.005	
234694	332102	0.005	
234695	332103	0.014	
234696	332104	0.008	
234697	332105	0.016	
234698	332106	0.009	
234699	332107	0.047	
234700	332108	0.005	
234701	332109	<0.005	
234702	332110	0.094	
234703	332110 Dup	0.062	
234704	332111	0.301	
234705	332112	3.514	
234706	332113	0.047	
234707	332114	5.324	

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Sample #: 370

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234708	332115	0.071	
234709	332116	5.665	
234710	332117	0.016	
234711	332118	0.016	
234712	332119	8.708	
234713	332120	0.026	
234714	332120 Rep	0.021	
234715	332121	0.106	
234716	332122	0.052	
234717	332123	1.201	
234718	332124	>10.000	57.755
234719	332125	0.027	
234720	332126	<0.005	
234721	332127	<0.005	
234722	332128	0.066	
234723	332129	0.106	
234724	332130	<0.005	
234725	332130 Dup	<0.005	
234726	332131	0.007	
234727	332132	0.005	
234728	332133	0.007	
234729	332134	0.013	
234730	332135	0.018	
234731	332136	0.265	
234732	332137	0.156	

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Sample #: 370

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234733	332138	0.274	
234734	332139	0.020	
234735	332140	0.098	
234736	332140 Dup	0.095	
234737	332141	1.047	
234738	332142	0.046	
234739	332143	0.116	
234740	332144	0.118	
234741	332145	0.439	
234742	332146	0.007	
234743	332147	<0.005	
234744	332148	0.006	
234745	332149	0.006	
234746	332150	<0.005	
234747	332150 Dup	<0.005	
234748	332151	0.186	
234749	332152	0.057	
234750	332153	0.015	
234751	332154	0.028	
234752	332155	0.037	
234753	332156	>10.000	14.424
234754	332157	0.019	
234755	332158	0.142	
234756	332159	0.063	
234757	332160	0.223	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Job #: 201642324
Reference: CWM-BAN
Sample #: 370

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234758	332160 Dup	0.216	
234759	332161	0.993	
234760	332162	0.459	
234761	332163	0.091	
234762	332164	0.176	
234763	332165	0.131	
234764	332166	0.103	
234765	332167	0.136	
234766	332168	0.037	
234767	332169	0.044	
234768	332170	0.637	
234769	332170 Dup	0.628	
234770	332171	0.070	
234771	332172	>10.000	14.996
234772	332173	0.039	
234773	332174	0.031	
234774	332175	0.029	
234775	332176	1.971	
234776	332177	0.166	
234777	332178	0.108	
234778	332179	0.148	
234779	332180	0.209	
234780	332180 Rep	0.212	
234781	332181	0.244	
234782	332182	0.103	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234783	332183	0.084	
234784	332184	0.044	
234785	332185	>10.000	11.196
234786	332186	0.114	
234787	332187	0.038	
234788	332188	0.130	
234789	332189	0.526	
234790	332190	0.085	
234791	332190 Dup	0.081	
234792	332191	5.574	
234793	332192	0.016	
234794	332193	0.268	
234795	332194	0.012	
234796	332195	<0.005	
234797	332196	<0.005	
234798	332197	0.034	
234799	332198	1.148	
234800	332199	0.842	
234801	332200	0.388	
234802	332200 Dup	0.345	
234803	332201	0.251	
234804	332202	0.121	
234805	332203	0.067	
234806	332204	>10.000	39.753
234807	332205	1.669	

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234808	332206	0.052	
234809	332207	0.023	
234810	332208	0.031	
234811	332209	0.039	
234812	332210	1.065	
234813	332210	Insufficient Sample	
234814	332211	0.442	
234815	332212	0.124	
234816	332213	0.391	
234817	332214	0.321	
234818	332215	0.142	
234819	332216	1.041	
234820	332217	0.549	
234821	332218	0.135	
234822	332219	1.217	
234823	332220	0.592	
234824	332220 Dup	0.502	
234825	332221	0.014	
234826	332222	>10.000	12.100
234827	332223	0.021	
234828	332224	0.031	
234829	332225	0.156	
234830	332226	>10.000	14.943
234831	332227	0.048	
234832	332228	1.929	

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234833	332229	0.025	
234834	332230	0.029	
234835	332230 Dup	0.022	
234836	332231	0.116	
234837	332232	0.290	
234838	332233	0.071	
234839	332234	0.598	
234840	332235	1.556	
234841	332236	0.075	
234842	332237	0.057	
234843	332238	0.208	
234844	332239	0.157	
234845	332240	0.161	
234846	332240	Insufficient Sample	
234847	332241	1.272	
234848	332242	0.283	
234849	332243	5.731	
234850	332244	0.523	
234851	332245	0.153	
234852	332246	0.060	
234853	332247	0.306	
234854	332248	0.318	
234855	332249	0.079	
234856	332250	1.165	
234857	332250 Dup	0.891	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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assay@accurassay.com

Thursday, November 24, 2016

Final Certificate

Fladgate Exploration CC
1158 Russell Street, Unit D
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Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 11/08/2016
Date Completed: 11/24/2016
Job #: 201642324
Reference: CWM-BAN
Sample #: 370

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234858	332251	0.327	
234859	332252	0.024	
234860	332253	0.040	
234861	332254	0.085	
234862	332255	0.247	
234863	332256	0.109	
234864	332257	0.026	
234865	332258	0.059	
234866	332259	0.266	
234867	332260	1.848	
234868	332260 Dup	1.445	
234869	332261	>10.000	14.381
234870	332262	0.153	
234871	332263	5.358	
234872	332264	0.187	
234873	332265	0.172	
234874	332266	0.058	
234875	332267	0.437	
234876	332268	0.156	
234877	332269	0.121	
234878	332270	0.353	
234879	332270 Dup	0.315	
234880	332271	0.226	
234881	332272	0.138	
234882	332273	0.368	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM-BAN
Sample #: 370

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234883	332274	0.419	
234884	332275	0.023	
234885	332276	0.017	
234886	332277	0.055	
234887	332278	5.729	
234888	332279	0.186	
234889	332280	0.043	
234890	332280 Dup	0.060	
234891	332281	0.026	
234892	332282	0.031	
234893	332283	0.168	
234894	332284	0.040	
234895	332285	<0.005	
234896	332286	>10.000	61.438
234897	332287	0.856	
234898	332288	0.007	
234899	332289	<0.005	
234900	332290	<0.005	
234901	332290 Dup	<0.005	
234902	332291	0.010	
234903	332292	<0.005	
234904	332293	0.052	
234905	332294	0.221	
234906	332295	0.026	
234907	332296	0.954	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM-BAN
Sample #: 370

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234908	332297	0.007	
234909	332298	0.329	
234910	332299	0.018	
234911	332300	0.310	
234912	332300 Rep	0.325	
234913	332301	0.412	
234914	332302	0.462	
234915	332303	2.038	
234916	332304	0.201	
234917	332305	0.095	
234918	332306	0.323	
234919	332307	0.091	
234920	332308	0.570	
234921	332309	0.006	
234922	332310	5.816	
234923	332310	Insufficient Sample	
234924	332311	2.996	
234925	332312	<0.005	
234926	332313	<0.005	
234927	332314	0.075	
234928	332315	0.027	
234929	332316	0.038	
234930	332317	0.014	
234931	332318	0.008	
234932	332319	5.913	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 370

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234933	332320	0.023	
234934	332320 Dup	0.021	
234935	332321	0.007	
234936	332322	<0.005	
234937	332323	>10.000	11.800
234938	332324	0.636	
234939	332325	0.288	
234940	332326	>10.000	14.570
234941	332327	0.399	
234942	332328	0.289	
234943	332329	0.249	
234944	332330	0.006	
234945	332330 Dup	0.006	
234946	332331	0.109	
234947	332332	0.007	
234948	332333	0.729	
234949	332334	0.076	
234950	332335	0.136	
234951	332336	0.060	
234952	332337	0.052	
234953	332338	0.060	
234954	332339	0.306	
234955	332340	0.243	
234956	332340 Dup	0.331	
234957	332341	0.946	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM-BAN
Sample #: 370

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234958	332342	5.538	
234959	332343	0.312	
234960	332344	0.351	
234961	332345	0.117	
234962	332346	0.271	
234963	332347	0.493	
234964	332348	0.362	
234965	332349	0.141	
234966	332350	0.336	
234967	332350 Dup	0.369	
234968	332351	0.022	
234969	332352	0.013	
234970	332353	5.821	
234971	332354	0.010	
234972	332355	0.009	
234973	332356	0.013	
234974	332357	5.186	
234975	332358	0.026	
234976	332359	0.127	
234977	332360	0.011	
234978	332360	Insufficient Sample	
234979	332361	0.038	
234980	332362	0.103	
234981	332363	0.265	
234982	332364	0.225	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Job #: 201642324
Reference: CWM-BAN
Sample #: 370

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
234983	332365	0.236	
234984	332366	0.187	
234985	332367	0.437	
234986	332368	0.045	
234987	332369	3.753	
234988	332370	0.035	
234989	332370 Dup	0.019	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Job #: 201642324
Reference: CWM-BAN
Sample #: 370

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
GS45	Au	2.836	2.920	0.180
WW06	Au	1.199	1.100	0.060
WW06	Au	1.107	1.100	0.060
WW06	Au	1.173	1.100	0.060
WW06	Au	1.036	1.100	0.060
WW06	Au	0.853	1.100	0.060
WW06	Au	0.825	1.100	0.060
WW06	Au	0.809	1.100	0.060
WW06	Au	0.981	1.100	0.060
WW06	Au	1.154	1.100	0.060
WW06	Au	0.919	1.100	0.060
WW06	Au	1.198	1.100	0.060
GS45	Au	2.915	2.920	0.180
WW06	Au	1.183	1.100	0.060
WW06	Au	1.267	1.100	0.060
WW06	Au	0.980	1.100	0.060
WW06	Au	1.171	1.100	0.060
WW06	Au	1.195	1.100	0.060
WW06	Au	1.037	1.100	0.060
GS37	AuG	2.948	3.220	0.210

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Email: michael.thompson@fladgateexploration.com

Date Received: 11/15/2016
Date Completed: 11/25/2016
Job #: 201642381
Reference: CWM BAN
Sample #: 255

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
237539	332371	1.036	
237540	332372	0.016	
237541	332373	0.007	
237542	332374	0.039	
237543	332375	<0.005	
237544	332376	0.006	
237545	332377	0.015	
237546	332378	<0.005	
237547	332379	0.008	
237548	332380	<0.005	
237549	332380 Dup	<0.005	
237550	332381	<0.005	
237551	332382	0.099	
237552	332383	<0.005	
237553	332384	<0.005	
237554	332385	<0.005	
237555	332386	<0.005	
237556	332387	5.487	
237557	332388	0.101	
237558	332389	0.017	
237559	332390	0.032	
237560	332390 Dup	0.021	
237561	332391	1.643	
237562	332392	0.039	
237563	332393	0.030	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Completed: 11/25/2016
Job #: 201642381
Reference: CWM BAN
Sample #: 255

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
237564	332394	0.015	
237565	332395	0.037	
237566	332396	<0.005	
237567	332397	<0.005	
237568	332398	<0.005	
237569	332399	>10.000	13.625
237570	332400	0.126	
237571	332400 Dup	0.070	
237572	332401	<0.005	
237573	332402	<0.005	
237574	332403	<0.005	
237575	332404	<0.005	
237576	332405	<0.005	
237577	332406	<0.005	
237578	332407	<0.005	
237579	332408	0.264	
237580	332409	<0.005	
237581	332410	<0.005	
237582	332410 Dup	<0.005	
237583	332411	<0.005	
237584	332412	<0.005	
237585	332413	0.722	
237586	332414	0.016	
237587	332415	0.280	
237588	332416	0.269	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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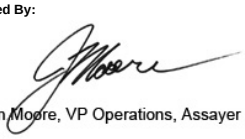
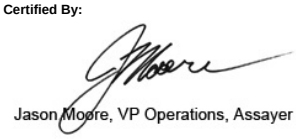
Reference: CWM BAN
Sample #: 255

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
237589	332417	0.168	
237590	332418	0.056	
237591	332419	0.101	
237592	332420	0.071	
237593	332420 Dup	0.089	
237594	332421	0.087	
237595	332422	0.097	
237596	332423	0.051	
237597	332424	0.272	
237598	332425	Insufficient Sample	
237599	332426	0.410	
237600	332427	0.378	
237601	332428	0.049	
237602	332429	0.159	
237603	332430	0.091	
237604	332430 Rep	0.095	
237605	332431	0.247	
237606	332432	0.184	
237607	332433	0.178	
237608	332434	0.492	
237609	332435	0.259	
237610	332436	0.241	
237611	332437	0.402	
237612	332438	0.181	
237613	332439	0.210	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:

Jason Moore, VP Operations, Assayer

Certified By:

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Authorized By:

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Date Completed: 11/25/2016
Job #: 201642381
Reference: CWM BAN
Sample #: 255

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
237614	332440	0.043	
237615	332440 Dup	0.031	
237616	332441	0.735	
237617	332442	0.365	
237618	332443	>10.000	14.585
237619	332444	0.250	
237620	332445	0.349	
237621	332446	0.254	
237622	332447	0.178	
237623	332448	0.007	
237624	332449	0.029	
237625	332450	0.010	
237626	332450 Dup	0.016	
237627	332451	0.012	
237628	332452	0.007	
237629	332453	<0.005	
237630	332454	0.007	
237631	332455	8.991	
237632	332456	0.246	
237633	332457	6.639	
237634	332458	0.010	
237635	332459	<0.005	
237636	332460	<0.005	
237637	332460 Dup	<0.005	
237638	332461	0.017	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Completed: 11/25/2016
Job #: 201642381
Reference: CWM BAN
Sample #: 255

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
237639	332462	0.010	
237640	332463	<0.005	
237641	332464	5.362	
237642	332465	0.130	
237643	332466	0.006	
237644	332467	<0.005	
237645	332468	0.030	
237646	332469	0.021	
237647	332470	0.039	
237648	332470 Dup	0.033	
237649	332471	0.026	
237650	332472	0.145	
237651	332473	1.746	
237652	332474	5.312	
237653	332475	>10.000	34.701
237654	332476	0.535	
237655	332477	0.167	
237656	332478	>10.000	17.928
237657	332479	>10.000	70.996
237658	332480	>10.000	18.287
237659	332480 Dup	>10.000	17.968
237660	332481	0.292	
237661	332482	0.181	
237662	332483	0.039	
237663	332484	0.016	

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Friday, November 25, 2016

Final Certificate

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Date Received: 11/15/2016
Date Completed: 11/25/2016
Job #: 201642381
Reference: CWM BAN
Sample #: 255

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
237664	332485	0.008	
237665	332486	0.014	
237666	332487	0.021	
237667	332488	0.009	
237668	332489	0.006	
237669	332490	<0.005	
237670	332490 Rep	<0.005	
237671	332491	0.309	
237672	332492	<0.005	
237673	332493	0.037	
237674	332494	0.009	
237675	332495	<0.005	
237676	332496	1.127	
237677	332497	0.019	
237678	332498	<0.005	
237679	332499	<0.005	
237680	332500	<0.005	
237681	332500 Dup	<0.005	
237682	346501	0.012	
237683	346502	<0.005	
237684	346503	<0.005	
237685	346504	0.206	
237686	346505	<0.005	
237687	346506	0.012	
237688	346507	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
237689	346508	0.071	
237690	346509	0.128	
237691	346510	0.009	
237692	346510 Dup	<0.005	
237693	346511	0.037	
237694	346512	0.128	
237695	346513	0.060	
237696	346514	0.231	
237697	346515	0.099	
237698	346516	<0.005	
237699	346517	0.072	
237700	346518	0.987	
237701	346519	0.080	
237702	346520	0.023	
237703	346520 Dup	0.012	
237704	346521	6.840	
237705	346522	5.576	
237706	346523	0.119	
237707	346524	0.064	
237708	346525	0.066	
237709	346526	0.245	
237710	346527	<0.005	
237711	346528	0.013	
237712	346529	0.006	
237713	346530	0.026	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Sample #: 255

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
237714	346530 Dup	0.022	
237715	346531	0.177	
237716	346532	0.037	
237717	346533	0.051	
237718	346534	<0.005	
237719	346535	0.026	
237720	346536	0.020	
237721	346537	0.089	
237722	346538	0.066	
237723	346539	0.061	
237724	346540	0.052	
237725	346540 Dup	0.093	
237726	346541	0.088	
237727	346542	>10.000	14.374
237728	346543	0.022	
237729	346544	<0.005	
237730	346545	0.012	
237731	346546	0.045	
237732	346547	0.210	
237733	346548	0.577	
237734	346549	0.182	
237735	346550	0.284	
237736	346550	Insufficient Sample	
237737	346551	0.378	
237738	346552	0.772	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
237739	346553	1.769	
237740	346554	0.123	
237741	346555	0.009	
237742	346556	<0.005	
237743	346557	0.520	
237744	346558	0.205	
237745	346559	0.101	
237746	346560	0.009	
237747	346560 Dup	0.009	
237748	346561	<0.005	
237749	346562	<0.005	
237750	346563	0.024	
237751	346564	1.882	
237752	346565	0.229	
237753	346566	<0.005	
237754	346567	1.464	
237755	346568	<0.005	
237756	346569	<0.005	
237757	346570	<0.005	
237758	346570 Dup	<0.005	
237759	346571	<0.005	
237760	346572	2.132	
237761	346573	0.011	
237762	346574	0.010	
237763	346575	0.010	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM BAN
Sample #: 255

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
237764	346576	0.943	
237765	346577	0.139	
237766	346578	4.059	
237767	346579	0.007	
237768	346580	1.121	
237769	346580 Dup	1.041	
237770	346581	0.085	
237771	346582	0.040	
237772	346583	0.028	
237773	346584	<0.005	
237774	346585	0.290	
237775	346586	<0.005	
237776	346587	0.733	
237777	346588	0.830	
237778	346589	0.010	
237779	346590	0.453	
237780	346590 Dup	0.497	
237781	346591	Insufficient Sample	
237782	346592	<0.005	
237783	346593	0.013	
237784	346594	<0.005	
237785	346595	0.016	
237786	346596	0.020	
237787	346597	0.008	
237788	346598	0.008	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
237789	346599	0.006	
237790	346600	0.006	
237791	346600 Dup	0.009	
237792	346601	0.007	
237793	346602	0.010	
237794	346603	0.015	
237795	346604	0.013	
237796	346605	<0.005	
237797	346606	<0.005	
237798	346607	<0.005	
237799	346608	0.007	
237800	346609	0.013	
237801	346610	0.012	
237802	346610 Rep	0.010	
237803	346611	0.005	
237804	346612	0.005	
237805	346613	0.020	
237806	346614	0.045	
237807	346615	0.033	
237808	346616	5.659	
237809	346617	0.015	
237810	346618	0.203	
237811	346619	0.095	
237812	346620	0.016	
237813	346620 Dup	0.020	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 255

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
237814	346621	0.008	
237815	346622	0.014	
237816	346623	0.016	
237817	346624	0.013	
237818	346625	0.013	

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Sample #: 255

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	1.112	1.100	0.060
WW06	Au	1.089	1.100	0.060
GS45	Au	2.647	2.920	0.180
WW06	Au	1.007	1.100	0.060
WW06	Au	1.099	1.100	0.060
WW06	Au	1.099	1.100	0.060
WW06	Au	0.817	1.100	0.060
WW06	Au	0.956	1.100	0.060
WW06	Au	1.091	1.100	0.060
WW06	Au	0.934	1.100	0.060
WW06	Au	1.104	1.100	0.060
WW06	Au	1.161	1.100	0.060
GS37	AuG	3.546	3.220	0.210

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Received: 11/21/2016
Date Completed: 12/01/2016
Job #: 201642400
Reference: CWM-BAN
Sample #: 269

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
238868	346626	0.014	
238869	346627	0.281	
238870	346628	0.007	
238871	346629	0.006	
238872	346630	0.005	
238873	346631	0.028	
238874	346632	0.027	
238875	346633	0.058	
238876	346634	0.028	
238877	346635	<0.005	
238878	346635 Dup	<0.005	
238879	346636	>10.000	10.694
238880	346637	0.033	
238881	346638	0.005	
238882	346639	<0.005	
238883	346640	0.029	
238884	346641	0.069	
238885	346642	>10.000	14.425
238886	346643	0.040	
238887	346644	5.336	
238888	346645	0.439	
238889	346645 Dup	0.443	
238890	346646	0.188	
238891	346647	0.134	
238892	346648	0.015	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
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Date Completed: 12/01/2016
Job #: 201642400
Reference: CWM-BAN
Sample #: 269

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
238893	346649	0.129	
238894	346650	0.045	
238895	346651	0.190	
238896	346652	0.150	
238897	346653	0.024	
238898	346654	0.010	
238899	346655	0.062	
238900	346655 Dup	0.035	
238901	346656	0.185	
238902	346657	0.275	
238903	346658	0.091	
238904	346659	0.040	
238905	346660	0.005	
238906	346661	0.009	
238907	346662	0.010	
238908	346663	0.119	
238909	346664	0.197	
238910	346665	0.179	
238911	346665 Dup	0.195	
238912	346666	1.058	
238913	346667	0.152	
238914	346668	0.752	
238915	346669	0.469	
238916	346670	0.688	
238917	346671	0.869	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Lab Manager - Thunder Bay

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Sample #: 269

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
238918	346672	0.619	
238919	346673	0.346	
238920	346674	5.128	
238921	346675	0.871	
238922	346675 Dup	0.811	
238923	346676	0.538	
238924	346677	0.396	
238925	346678	0.296	
238926	346679	0.152	
238927	346680	1.626	
238928	346681	0.127	
238929	346682	0.281	
238930	346683	0.093	
238931	346684	0.261	
238932	346685	0.168	
238933	346685	Insufficient Sample	
238934	346686	0.023	
238935	346687	0.019	
238936	346688	0.391	
238937	346689	0.008	
238938	346690	0.007	
238939	346691	<0.005	
238940	346692	0.007	
238941	346693	0.020	
238942	346694	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Job #: 201642400
Reference: CWM-BAN
Sample #: 269

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
238943	346695	0.019	
238944	346695 Dup	<0.005	
238945	346696	0.452	
238946	346697	2.516	
238947	346698	6.346	
238948	346699	0.862	
238949	346700	0.026	
238950	346701	0.010	
238951	346702	0.020	
238952	346703	0.063	
238953	346704	0.038	
238954	346705	0.026	
238955	346705 Dup	0.015	
238956	346706	0.107	
238957	346707	5.320	
238958	346708	0.036	
238959	346709	0.030	
238960	346710	0.151	
238961	346711	0.026	
238962	346712	0.031	
238963	346713	0.491	
238964	346714	>10.000	19.040
238965	346715	Insufficient Sample	
238966	346715	Insufficient Sample	
238967	346716	0.088	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 269

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
238968	346717	9.901	
238969	346718	0.104	
238970	346719	0.090	
238971	346720	0.146	
238972	346721	0.380	
238973	346722	0.166	
238974	346723	0.065	
238975	346724	0.054	
238976	346725	>10.000	16.228
238977	346725 Dup	>10.000	15.643
238978	346726	0.040	
238979	346727	0.045	
238980	346728	0.028	
238981	346729	0.015	
238982	346730	0.016	
238983	346731	<0.005	
238984	346732	0.008	
238985	346733	0.013	
238986	346734	>10.000	21.671
238987	346735	0.967	
238988	346735 Dup	0.953	
238989	346736	0.029	
238990	346737	0.031	
238991	346738	2.410	
238992	346739	0.365	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Derek Demianiuk, VP Quality

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Thursday, December 1, 2016

Final Certificate

Fladgate Exploration CC
1158 Russell Street, Unit D
Thunder Bay, , CAN
P7B5N2
Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 11/21/2016
Date Completed: 12/01/2016
Job #: 201642400
Reference: CWM-BAN
Sample #: 269

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
238993	346740	1.032	
238994	346741	<0.005	
238995	346742	<0.005	
238996	346743	0.097	
238997	346744	0.131	
238998	346745	0.014	
238999	346745	Insufficient Sample	
239000	346746	<0.005	
239001	346747	5.975	
239002	346748	0.009	
239003	346749	0.012	
239004	346750	0.011	
239005	346751	0.046	
239006	346752	0.041	
239007	346753	<0.005	
239008	346754	0.014	
239009	346755	0.008	
239010	346755 Dup	0.017	
239011	346756	0.018	
239012	346757	4.178	
239013	346758	>10.000	45.998
239014	346759	0.022	
239015	346760	0.017	
239016	346761	0.058	
239017	346762	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Reference: CWM-BAN
Sample #: 269

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
239018	346763	0.011	
239019	346764	0.007	
239020	346765	<0.005	
239021	346765 Dup	<0.005	
239022	346766	5.584	
239023	346767	<0.005	
239024	346768	<0.005	
239025	346769	0.005	
239026	346770	<0.005	
239027	346771	<0.005	
239028	346772	<0.005	
239029	346773	0.803	
239030	346774	2.863	
239031	346775	0.016	
239032	346775 Dup	0.011	
239033	346776	2.032	
239034	346777	0.683	
239035	346778	0.016	
239036	346779	<0.005	
239037	346780	0.012	
239038	346781	<0.005	
239039	346782	0.486	
239040	346783	5.794	
239041	346784	0.912	
239042	346785	0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Lab Manager - Thunder Bay

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
239043	346785 Dup	<0.005	
239044	346786	0.459	
239045	346787	<0.005	
239046	346788	<0.005	
239047	346789	0.005	
239048	346790	<0.005	
239049	346791	>10.000	14.049
239050	346792	0.006	
239051	346793	0.009	
239052	346794	>10.000	11.462
239053	346795	0.037	
239054	346795 Dup	0.044	
239055	346796	0.031	
239056	346797	0.030	
239057	346798	0.045	
239058	346799	<0.005	
239059	346800	0.013	
239060	346801	0.006	
239061	346802	<0.005	
239062	346803	0.029	
239063	346804	0.014	
239064	346805	0.007	
239065	346805 Rep	<0.005	
239066	346806	<0.005	
239067	346807	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Lab Manager - Thunder Bay

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
239068	346808	<0.005	
239069	346809	<0.005	
239070	346810	<0.005	
239071	346811	<0.005	
239072	346812	0.513	
239073	346813	<0.005	
239074	346814	<0.005	
239075	346815	>10.000	8.800
239076	346815 Dup	>10.000	8.533
239077	346816	0.008	
239078	346817	0.214	
239079	346818	0.017	
239080	346819	0.057	
239081	346820	0.006	
239082	346821	0.007	
239083	346822	<0.005	
239084	346823	0.014	
239085	346824	1.151	
239086	346825	0.138	
239087	346825 Dup	0.165	
239088	346826	1.388	
239089	346827	0.099	
239090	346828	0.034	
239091	346829	0.097	
239092	346830	0.023	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
239093	346831	0.719	
239094	346832	0.129	
239095	346833	0.121	
239096	346834	0.033	
239097	346835	>10.000	28.104
239098	346835 Dup	>10.000	24.152
239099	346836	0.217	
239100	346837	0.021	
239101	346838	0.068	
239102	346839	0.295	
239103	346840	1.018	
239104	346841	0.071	
239105	346842	0.010	
239106	346843	0.005	
239107	346844	<0.005	
239108	346845	0.027	
239109	346845 Dup	0.018	
239110	346846	0.012	
239111	346847	0.229	
239112	346848	>10.000	23.059
239113	346849	0.332	
239114	346850	0.130	
239115	346851	1.763	
239116	346852	0.149	
239117	346853	0.629	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 269

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
239118	346854	0.042	
239119	346855	0.027	
239120	346855 Dup	0.027	
239121	346856	0.016	
239122	346857	0.036	
239123	346858	0.007	
239124	346859	0.012	
239125	346860	0.314	
239126	346861	0.012	
239127	346862	0.091	
239128	346863	0.115	
239129	346864	0.030	
239130	346865	0.024	
239131	346865	Insufficient Sample	
239132	346866	0.032	
239133	346867	0.016	
239134	346868	0.145	
239135	346869	0.537	
239136	346870	<0.005	
239137	346871	<0.005	
239138	346872	<0.005	
239139	346873	<0.005	
239140	346874	<0.005	
239141	346875	<0.005	
239142	346875 Dup	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Job #: 201642400
Reference: CWM-BAN
Sample #: 269

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
239143	346876	<0.005	
239144	346877	0.132	
239145	346878	0.117	
239146	346879	0.018	
239147	346880	<0.005	
239148	346881	<0.005	
239149	346882	0.027	
239150	346883	<0.005	
239151	346884	<0.005	
239152	346885	0.041	
239153	346885 Dup	0.023	
239154	346886	0.011	
239155	346887	0.096	
239156	346888	0.124	
239157	346889	0.116	
239158	346890	5.422	
239159	346891	0.206	
239160	346892	0.217	
239161	346893	0.234	
239162	346894	0.062	

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Job #: 201642400
Reference: CWM-BAN
Sample #: 269

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	1.112	1.100	0.060
WW06	Au	0.983	1.100	0.060
WW06	Au	1.127	1.100	0.060
WW06	Au	1.136	1.100	0.060
WW06	Au	1.017	1.100	0.060
WW06	Au	1.091	1.100	0.060
WW06	Au	1.076	1.100	0.060
WW06	Au	0.987	1.100	0.060
WW06	Au	1.169	1.100	0.060
GS45	Au	2.854	2.920	0.180
WW06	Au	1.141	1.100	0.060
WW06	Au	1.095	1.100	0.060
GS37	AuG	3.307	3.220	0.210

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Date Received: 11/30/2016
Date Completed: 12/09/2016
Job #: 201642432
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
241183	346895	<0.005	
241184	346896	0.008	
241185	346897	<0.005	
241186	346898	<0.005	
241187	346899	0.009	
241188	346900	<0.005	
241189	346901	<0.005	
241190	346902	<0.005	
241191	346903	>10.000	9.643
241192	346904	0.051	
241193	346904 Dup	0.039	
241194	346905	<0.005	
241195	346906	0.013	
241196	346907	0.006	
241197	346908	0.129	
241198	346909	<0.005	
241199	346910	<0.005	
241200	346911	<0.005	
241201	346912	<0.005	
241202	346913	<0.005	
241203	346914	<0.005	
241204	346914 Dup	<0.005	
241205	346915	<0.005	
241206	346916	>10.000	13.946
241207	346917	0.033	

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
241208	346918	>10.000	40.702
241209	346919	0.368	
241210	346920	0.090	
241211	346921	0.105	
241212	346922	0.030	
241213	346923	0.012	
241214	346924	0.007	
241215	346924 Dup	<0.005	
241216	346925	<0.005	
241217	346926	0.007	
241218	346927	<0.005	
241219	346928	0.047	
241220	346929	0.079	
241221	346930	0.023	
241222	346931	<0.005	
241223	346932	<0.005	
241224	346933	<0.005	
241225	346934	>10.000	12.792
241226	346934 Dup	>10.000	15.964
241227	346935	0.019	
241228	346936	0.042	
241229	346937	0.048	
241230	346938	0.193	
241231	346939	0.174	
241232	346940	0.179	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
241233	346941	<0.005	
241234	346942	0.144	
241235	346943	0.328	
241236	346944	0.487	
241237	346944 Dup	0.467	
241238	346945	0.324	
241239	346946	0.476	
241240	346947	0.540	
241241	346948	0.245	
241242	346949	0.069	
241243	346950	0.005	
241244	346951	0.165	
241245	346952	0.150	
241246	346953	0.314	
241247	346954	0.284	
241248	346954 Rep	0.320	
241249	346955	0.327	
241250	346956	0.200	
241251	346957	0.031	
241252	346958	0.033	
241253	346959	0.198	
241254	346960	0.247	
241255	346961	0.090	
241256	346962	0.247	
241257	346963	0.237	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
241258	346964	0.071	
241259	346964 Dup	0.066	
241260	346965	0.222	
241261	346966	0.968	
241262	346967	0.133	
241263	346968	0.030	
241264	346969	0.021	
241265	346970	0.170	
241266	346971	0.034	
241267	346972	0.222	
241268	346973	0.097	
241269	346974	0.143	
241270	346974 Dup	0.170	
241271	346975	0.057	
241272	346976	0.169	
241273	346977	0.052	
241274	346978	0.074	
241275	346979	0.116	
241276	346980	0.068	
241277	346981	0.282	
241278	346982	0.088	
241279	346983	0.178	
241280	346984	0.040	
241281	346984 Dup	0.044	
241282	346985	0.060	

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
241283	346986	0.028	
241284	346987	0.175	
241285	346988	0.007	
241286	346989	0.012	
241287	346990	0.010	
241288	346991	0.024	
241289	346992	0.008	
241290	346993	0.007	
241291	346994	0.117	
241292	346994 Dup	0.077	
241293	346995	0.070	
241294	346996	0.158	
241295	346997	0.137	
241296	346998	0.185	
241297	346999	0.084	
241298	347000	0.292	
241299	295501	0.332	
241300	295502	0.307	
241301	295503	0.175	
241302	295504	0.020	
241303	295505	0.050	
241304	295506	0.025	
241305	295507	0.005	
241306	295508	<0.005	
241307	295509	0.014	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Derek Demianiuk, VP Quality

Authorized By:
Derek Demianiuk, VP Quality

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assay@accurassay.com

Friday, December 9, 2016

Final Certificate

Fladgate Exploration CC
1158 Russell Street, Unit D
Thunder Bay, , CAN
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Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 11/30/2016
Date Completed: 12/09/2016
Job #: 201642432
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
241308	295510	<0.005	
241309	295511	0.061	
241310	295512	0.078	
241311	295513	0.106	
241312	295514	0.244	
241313	295515	1.260	
241314	295515 Rep	1.110	
241315	295516	0.226	
241316	295517	0.376	
241317	295518	0.491	
241318	295519	0.815	
241319	295520	0.397	
241320	295521	0.369	
241321	295522	0.039	
241322	295523	0.086	
241323	295524	0.156	
241324	295525	0.432	
241325	295525 Dup	0.440	
241326	295526	5.523	
241327	295527	0.161	
241328	295528	0.501	
241329	295529	0.112	
241330	295530	0.736	
241331	295531	0.337	
241332	295532	0.140	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

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Date Completed: 12/09/2016
Job #: 201642432
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
241333	295533	0.184	
241334	295534	0.257	
241335	295535	0.202	
241336	295535 Dup	0.190	
241337	295536	0.200	
241338	295537	0.075	
241339	295538	0.217	
241340	295539	0.047	
241341	295540	0.061	
241342	295541	0.014	
241343	295542	0.029	
241344	295543	0.083	
241345	295544	0.103	
241346	295545	0.033	
241347	295545 Dup	0.038	
241348	295546	0.117	
241349	295547	0.029	
241350	295548	0.008	
241351	295549	0.029	
241352	295550	0.111	
241353	295551	<0.005	
241354	295552	0.051	
241355	295553	0.042	
241356	295554	0.076	
241357	295555	0.056	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
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Date Completed: 12/09/2016
Job #: 201642432
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
241358	295555 Dup	0.063	
241359	295556	0.080	
241360	295557	0.045	
241361	295558	0.028	
241362	295559	0.049	
241363	295560	0.074	
241364	295561	0.064	
241365	295562	0.129	
241366	295563	0.051	
241367	295564	0.119	
241368	295565	0.129	
241369	295565 Dup	0.138	
241370	295566	0.084	
241371	295567	0.080	
241372	295568	0.143	
241373	295569	0.189	
241374	295570	0.119	
241375	295571	0.109	
241376	295572	0.081	
241377	295573	0.131	
241378	295574	0.213	
241379	295575	<0.005	
241380	295575 Rep	<0.005	
241381	295576	1.074	
241382	295577	0.008	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Derek Demianiuk, VP Quality

Authorized By:
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Job #: 201642432
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
241383	295578	<0.005	
241384	295579	<0.005	
241385	295580	<0.005	
241386	295581	0.009	
241387	295582	0.773	
241388	295583	0.147	
241389	295584	0.038	
241390	295585	0.026	
241391	295585 Dup	0.025	
241392	295586	0.036	
241393	295587	0.029	
241394	295588	0.033	
241395	295589	0.020	
241396	295590	0.008	
241397	295591	0.011	
241398	295592	<0.005	
241399	295593	<0.005	
241400	295594	0.040	
241401	295595	0.074	
241402	295595 Dup	0.062	
241403	295596	0.049	
241404	295597	0.008	
241405	295598	0.005	
241406	295599	<0.005	
241407	295600	>10.000	14.463

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
241408	295601	0.051	
241409	295602	<0.005	
241410	295603	<0.005	
241411	295604	<0.005	
241412	295605	<0.005	
241413	295605 Dup	<0.005	
241414	295606	0.085	
241415	295607	0.138	
241416	295608	0.038	
241417	295609	0.033	
241418	295610	0.020	
241419	295611	0.005	
241420	295612	<0.005	
241421	295613	0.200	
241422	295614	0.007	
241423	295615	<0.005	
241424	295616	0.009	
241425	295617	<0.005	
241426	295618	<0.005	
241427	295619	0.032	
241428	295620	<0.005	
241429	295621	<0.005	
241430	295622	0.012	
241431	295623	0.029	
241432	295624	0.006	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
241433	295625	0.008	
241434	295626	0.006	
241435	295627	0.020	
241436	295628	<0.005	
241437	295629	0.082	
241438	295630	0.058	
241439	295631	0.067	
241440	295632	0.024	
241441	295633	<0.005	
241442	295634	0.098	
241443	295635	<0.005	
241444	295636	0.153	
241445	295637	<0.005	
241446	295637	Insufficient Sample	
241447	295638	<0.005	
241448	295639	1.714	
241449	295640	<0.005	
241450	295641	<0.005	
241451	295642	<0.005	
241452	295643	<0.005	
241453	295644	<0.005	
241454	295645	<0.005	
241455	295646	<0.005	
241456	295647	<0.005	
241457	295647 Dup	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
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Authorized By:
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Job #: 201642432
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
241458	295648	0.110	
241459	295649	0.174	
241460	295650	5.659	
241461	295651	0.123	
241462	295652	0.207	
241463	295653	0.084	
241464	295654	0.017	
241465	295655	0.188	
241466	295656	0.008	
241467	295657	0.065	
241468	295657 Dup	0.053	
241469	295658	0.216	
241470	295659	0.189	
241471	295660	0.024	
241472	295661	0.022	
241473	295662	0.211	
241474	295663	0.523	
241475	295664	0.557	
241476	295665	0.256	
241477	295666	0.093	
241478	295667	0.148	
241479	295667 Dup	0.185	
241480	295668	0.258	
241481	295669	2.181	
241482	295670	0.978	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
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Authorized By:
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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
241483	295671	0.181	
241484	295672	>10.000	14.350
241485	295673	6.839	
241486	295674	0.334	
241487	295675	<0.005	
241488	295676	0.254	
241489	295677	0.178	
241490	295677 Dup	0.224	
241491	295678	<0.005	
241492	295679	<0.005	
241493	295680	0.010	
241494	295681	<0.005	
241495	295682	<0.005	
241496	295683	<0.005	
241497	295684	<0.005	
241498	295685	<0.005	
241499	295686	<0.005	
241500	295687	<0.005	
241501	295687 Dup	<0.005	
241502	295688	<0.005	
241503	295689	<0.005	
241504	295690	<0.005	
241505	295691	<0.005	
241506	295692	<0.005	
241507	295693	2.823	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Lab Manager - Thunder Bay

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
241508	295694	0.008	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM_BAN
Sample #: 300

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	1.205	1.100	0.060
WW06	Au	1.045	1.100	0.060
WW06	Au	1.297	1.100	0.060
WW06	Au	0.943	1.100	0.060
WW06	Au	1.088	1.100	0.060
WW06	Au	1.036	1.100	0.060
WW06	Au	1.185	1.100	0.060
WW06	Au	1.154	1.100	0.060
GS45	Au	2.889	2.920	0.180
WW06	Au	1.162	1.100	0.060
WW06	Au	1.019	1.100	0.060
WW06	Au	1.158	1.100	0.060
WW06	Au	1.036	1.100	0.060
WW06	Au	1.087	1.100	0.060
WW06	Au	1.178	1.100	0.060
WW06	Au	1.152	1.100	0.060
WW06	Au	1.159	1.100	0.060
GS37	AuG	2.829	3.220	0.210

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
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Authorized By:
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Date Received: 12/06/2016
Date Completed: 12/16/2016
Job #: 201642445
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243217	295695	0.034	
243218	295696	<0.005	
243219	295697	<0.005	
243220	295698	<0.005	
243221	295699	0.008	
243222	295700	0.969	
243223	295701	0.009	
243224	295702	0.078	
243225	295703	0.031	
243226	295704	0.020	
243227	295704 Dup	0.022	
243228	295705	0.056	
243229	295706	0.108	
243230	295707	0.090	
243231	295708	0.121	
243232	295709	0.078	
243233	295710	0.050	
243234	295711	0.065	
243235	295712	0.132	
243236	295713	0.013	
243237	295714	0.033	
243238	295714 Dup	0.028	
243239	295715	0.201	
243240	295716	0.324	
243241	295717	0.169	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Date Received: 12/06/2016
Date Completed: 12/16/2016
Job #: 201642445
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243242	295718	0.539	
243243	295719	0.170	
243244	295720	0.148	
243245	295721	0.027	
243246	295722	0.042	
243247	295723	0.082	
243248	295724	5.580	
243249	295724	Insufficient Sample	
243250	295725	0.036	
243251	295726	0.103	
243252	295727	0.186	
243253	295728	0.196	
243254	295729	0.187	
243255	295730	0.128	
243256	295731	0.102	
243257	295732	0.059	
243258	295733	0.076	
243259	295734	0.170	
243260	295734 Dup	0.191	
243261	295735	0.270	
243262	295736	0.035	
243263	295737	0.125	
243264	295738	0.127	
243265	295739	0.058	
243266	295740	0.265	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Friday, December 16, 2016

Final Certificate

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Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 12/06/2016
Date Completed: 12/16/2016
Job #: 201642445
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243267	295741	0.218	
243268	295742	0.364	
243269	295743	0.282	
243270	295744	0.417	
243271	295744 Dup	0.420	
243272	295745	0.248	
243273	295746	0.360	
243274	295747	0.178	
243275	295748	0.329	
243276	295749	0.346	
243277	295750	0.836	
243278	295751	1.000	
243279	295752	0.745	
243280	295753	0.572	
243281	295754	0.564	
243282	295754	Insufficient Sample	
243283	295755	0.204	
243284	295756	0.193	
243285	295757	0.169	
243286	295758	0.304	
243287	295759	0.243	
243288	295760	0.400	
243289	295761	0.020	
243290	295762	0.037	
243291	295763	0.032	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243292	295764	0.007	
243293	295764 Dup	0.006	
243294	295765	0.052	
243295	295766	0.045	
243296	295767	0.066	
243297	295768	0.007	
243298	295769	<0.005	
243299	295770	0.016	
243300	295771	0.106	
243301	295772	0.164	
243302	295773	>10.000	14.150
243303	295774	0.083	
243304	295774 Dup	0.041	
243305	295775	0.026	
243306	295776	0.059	
243307	295777	0.038	
243308	295778	0.071	
243309	295779	0.072	
243310	295780	0.112	
243311	295781	0.133	
243312	295782	0.126	
243313	295783	0.072	
243314	295784	0.117	
243315	295784 Dup	0.106	
243316	295785	0.017	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243317	295786	0.047	
243318	295787	0.086	
243319	295788	0.081	
243320	295789	0.052	
243321	295790	0.006	
243322	295791	0.005	
243323	295792	<0.005	
243324	295793	0.006	
243325	295794	<0.005	
243326	295794 Dup	<0.005	
243327	295795	0.011	
243328	295796	0.010	
243329	295797	0.029	
243330	295798	<0.005	
243331	295799	0.011	
243332	295800	<0.005	
243333	295801	0.010	
243334	295802	<0.005	
243335	295803	0.007	
243336	295804	0.009	
243337	295804 Dup	0.013	
243338	295805	0.007	
243339	295806	0.009	
243340	295807	0.006	
243341	295808	0.008	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243342	295809	0.007	
243343	295810	0.011	
243344	295811	0.013	
243345	295812	0.011	
243346	295813	0.025	
243347	295814	0.021	
243348	295814 Rep	0.021	
243349	295815	0.005	
243350	295816	0.008	
243351	295817	0.005	
243352	295818	0.010	
243353	295819	0.011	
243354	295820	0.012	
243355	295821	0.006	
243356	295822	0.008	
243357	295823	0.992	
243358	295824	0.010	
243359	295824 Dup	0.008	
243360	295825	0.015	
243361	295826	0.015	
243362	295827	0.032	
243363	295828	0.020	
243364	295829	0.025	
243365	295830	0.029	
243366	295831	0.041	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243367	295832	0.019	
243368	295833	<0.005	
243369	295834	<0.005	
243370	295834 Dup	<0.005	
243371	295835	<0.005	
243372	295836	<0.005	
243373	295837	0.014	
243374	295838	0.006	
243375	295839	0.021	
243376	295840	0.006	
243377	295841	0.006	
243378	295842	0.007	
243379	295843	0.005	
243380	295844	<0.005	
243381	295844 Dup	<0.005	
243382	295845	<0.005	
243383	295846	<0.005	
243384	295847	0.028	
243385	295848	0.006	
243386	295849	5.666	
243387	295850	0.006	
243388	295851	<0.005	
243389	295852	0.007	
243390	295853	0.006	
243391	295854	0.006	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243392	295854 Dup	0.010	
243393	295855	0.006	
243394	295856	0.008	
243395	295857	<0.005	
243396	295858	0.008	
243397	295859	0.008	
243398	295860	0.007	
243399	295861	0.006	
243400	295862	0.008	
243401	295863	0.008	
243402	295864	0.009	
243403	295864 Dup	0.009	
243404	295865	0.008	
243405	295866	0.007	
243406	295867	<0.005	
243407	295868	<0.005	
243408	295869	<0.005	
243409	295870	<0.005	
243410	295871	0.013	
243411	295872	0.006	
243412	295873	0.006	
243413	295874	0.014	
243414	295874	Insufficient Sample	
243415	295875	0.015	
243416	295876	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243417	295877	0.010	
243418	295878	<0.005	
243419	295879	0.046	
243420	295880	0.015	
243421	295881	<0.005	
243422	295882	0.015	
243423	295883	0.034	
243424	295884	0.020	
243425	295884 Dup	0.029	
243426	295885	0.029	
243427	295886	0.041	
243428	295887	0.019	
243429	295888	0.026	
243430	295889	0.014	
243431	295890	0.022	
243432	295891	0.012	
243433	295892	<0.005	
243434	295893	0.023	
243435	295894	0.026	
243436	295894 Dup	0.094	
243437	295895	0.014	
243438	295896	0.009	
243439	295897	0.038	
243440	295898	0.016	
243441	295899	0.030	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243442	295900	>10.000	14.255
243443	295901	0.055	
243444	295902	0.019	
243445	295903	0.010	
243446	295904	0.024	
243447	295904 Dup	0.007	
243448	295905	0.022	
243449	295906	0.020	
243450	295907	0.010	
243451	295908	<0.005	
243452	295909	<0.005	
243453	295910	<0.005	
243454	295911	<0.005	
243455	295912	0.055	
243456	295913	<0.005	
243457	295914	<0.005	
243458	295914 Dup	<0.005	
243459	295915	0.009	
243460	295916	<0.005	
243461	295917	<0.005	
243462	295918	<0.005	
243463	295919	<0.005	
243464	295920	<0.005	
243465	295921	0.005	
243466	295922	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243467	295923	<0.005	
243468	295924	0.006	
243469	295924 Dup	0.006	
243470	295925	<0.005	
243471	295926	0.011	
243472	295927	<0.005	
243473	295928	<0.005	
243474	295929	<0.005	
243475	295930	<0.005	
243476	295931	<0.005	
243477	295932	<0.005	
243478	295933	<0.005	
243479	295934	<0.005	
243480	295934 Rep	<0.005	
243481	295935	<0.005	
243482	295936	<0.005	
243483	295937	<0.005	
243484	295938	<0.005	
243485	295939	<0.005	
243486	295940	<0.005	
243487	295941	0.006	
243488	295942	<0.005	
243489	295943	0.011	
243490	295944	0.008	
243491	295944 Dup	0.009	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243492	295945	0.008	
243493	295946	0.014	
243494	295947	0.025	
243495	295948	0.008	
243496	295949	0.018	
243497	295950	0.991	
243498	295951	0.028	
243499	295952	0.047	
243500	295953	0.033	
243501	295954	0.093	
243502	295954 Dup	0.099	
243503	295955	0.049	
243504	295956	0.029	
243505	295957	0.171	
243506	295958	0.022	
243507	295959	0.047	
243508	295960	0.068	
243509	295961	0.083	
243510	295962	0.032	
243511	295963	0.022	
243512	295964	0.009	
243513	295964 Dup	0.008	
243514	295965	0.096	
243515	295966	0.012	
243516	295967	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243517	295968	<0.005	
243518	295969	0.006	
243519	295970	0.009	
243520	295971	<0.005	
243521	295972	0.007	
243522	295973	<0.005	
243523	295974	0.006	
243524	295974 Dup	0.005	
243525	295975	5.730	
243526	295976	0.029	
243527	295977	0.012	
243528	295978	<0.005	
243529	295979	0.028	
243530	295980	0.038	
243531	295981	0.007	
243532	295982	0.018	
243533	295983	0.018	
243534	295984	0.247	
243535	295984 Dup	0.237	
243536	295985	4.057	
243537	295986	0.047	
243538	295987	0.008	
243539	295988	0.015	
243540	295989	<0.005	
243541	295990	0.009	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Job #: 201642445
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243542	295991	0.008	
243543	295992	<0.005	
243544	295993	<0.005	
243545	295994	<0.005	
243546	295994 Rep	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM_BAN
Sample #: 300

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	1.080	1.100	0.060
GS45	Au	2.727	2.920	0.180
WW06	Au	0.991	1.100	0.060
WW06	Au	0.985	1.100	0.060
WW06	Au	0.990	1.100	0.060
WW06	Au	1.095	1.100	0.060
WW06	Au	1.107	1.100	0.060
WW06	Au	1.098	1.100	0.060
WW06	Au	1.090	1.100	0.060
WW06	Au	1.095	1.100	0.060
WW06	Au	0.466	1.100	0.060
WW06	Au	1.096	1.100	0.060
WW06	Au	1.085	1.100	0.060
WW06	Au	1.146	1.100	0.060
GS37	AuG	3.665	3.220	0.210

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Wednesday, December 21, 2016

Final Certificate

Fladgate Exploration CC
1158 Russell Street, Unit D
Thunder Bay, , CAN
P7B5N2
Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 12/12/2016
Date Completed: 12/21/2016
Job #: 201642461
Reference: CWM-BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245144	295995	0.005	
245145	295996	0.085	
245146	295997	<0.005	
245147	295998	0.009	
245148	295999	<0.005	
245149	296000	<0.005	
245150	330001	<0.005	
245151	330002	<0.005	
245152	330003	0.010	
245153	330004	0.018	
245154	330004 Dup	<0.005	
245155	330005	0.025	
245156	330006	<0.005	
245157	330007	<0.005	
245158	330008	<0.005	
245159	330009	<0.005	
245160	330010	<0.005	
245161	330011	<0.005	
245162	330012	<0.005	
245163	330013	<0.005	
245164	330014	<0.005	
245165	330014 Dup	<0.005	
245166	330015	0.007	
245167	330016	<0.005	
245168	330017	<0.005	

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245169	330018	0.211	
245170	330019	<0.005	
245171	330020	0.008	
245172	330021	0.009	
245173	330022	0.012	
245174	330023	0.008	
245175	330024	0.010	
245176	330024 Dup	0.013	
245177	330025	>10.000	14.870
245178	330026	0.015	
245179	330027	0.011	
245180	330028	0.016	
245181	330029	0.011	
245182	330030	0.006	
245183	330031	0.005	
245184	330032	0.012	
245185	330033	<0.005	
245186	330034	<0.005	
245187	330034 Dup	<0.005	
245188	330035	<0.005	
245189	330036	0.006	
245190	330037	0.008	
245191	330038	<0.005	
245192	330039	0.008	
245193	330040	0.006	

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245194	330041	0.099	
245195	330042	0.010	
245196	330043	0.007	
245197	330044	<0.005	
245198	330044 Dup	<0.005	
245199	330045	<0.005	
245200	330046	<0.005	
245201	330047	<0.005	
245202	330048	<0.005	
245203	330049	<0.005	
245204	330050	<0.005	
245205	330051	0.024	
245206	330052	0.061	
245207	330053	<0.005	
245208	330054	<0.005	
245209	330054	Insufficient Sample	
245210	330055	0.023	
245211	330056	<0.005	
245212	330057	0.012	
245213	330058	<0.005	
245214	330059	0.026	
245215	330060	0.040	
245216	330061	<0.005	
245217	330062	<0.005	
245218	330063	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245219	330064	0.014	
245220	330064 Dup	0.010	
245221	330065	0.024	
245222	330066	0.005	
245223	330067	0.006	
245224	330068	<0.005	
245225	330069	0.008	
245226	330070	<0.005	
245227	330071	0.029	
245228	330072	0.062	
245229	330073	0.007	
245230	330074	0.972	
245231	330074	Insufficient Sample	
245232	330075	0.262	
245233	330076	0.317	
245234	330077	<0.005	
245235	330078	<0.005	
245236	330079	0.020	
245237	330080	<0.005	
245238	330081	0.049	
245239	330082	0.081	
245240	330083	0.006	
245241	330084	<0.005	
245242	330084 Dup	<0.005	
245243	330085	<0.005	

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245244	330086	<0.005	
245245	330087	<0.005	
245246	330088	0.008	
245247	330089	<0.005	
245248	330090	<0.005	
245249	330091	<0.005	
245250	330092	0.007	
245251	330093	0.006	
245252	330094	0.006	
245253	330094 Dup	0.027	
245254	330095	<0.005	
245255	330096	<0.005	
245256	330097	0.142	
245257	330098	5.484	
245258	330099	0.089	
245259	330100	0.049	
245260	330101	<0.005	
245261	330102	<0.005	
245262	330103	<0.005	
245263	330104	0.012	
245264	330104 Dup	0.014	
245265	330105	0.088	
245266	330106	0.007	
245267	330107	0.005	
245268	330108	<0.005	

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245269	330109	0.049	
245270	330110	<0.005	
245271	330111	0.009	
245272	330112	<0.005	
245273	330113	<0.005	
245274	330114	0.008	
245275	330114 Rep	0.007	
245276	330115	0.009	
245277	330116	0.006	
245278	330117	0.008	
245279	330118	<0.005	
245280	330119	0.009	
245281	330120	0.031	
245282	330121	0.006	
245283	330122	0.016	
245284	330123	Insufficient Sample	
245285	330124	0.017	
245286	330124 Dup	0.022	
245287	330125	0.048	
245288	330126	0.028	
245289	330127	0.059	
245290	330128	0.053	
245291	330129	0.032	
245292	330130	0.067	
245293	330131	0.039	

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245294	330132	0.047	
245295	330133	0.019	
245296	330134	0.009	
245297	330134 Dup	0.007	
245298	330135	0.008	
245299	330136	0.014	
245300	330137	0.012	
245301	330138	0.010	
245302	330139	0.016	
245303	330140	0.031	
245304	330141	0.034	
245305	330142	0.012	
245306	330143	0.008	
245307	330144	0.023	
245308	330144 Dup	0.020	
245309	330145	0.024	
245310	330146	0.014	
245311	330147	0.012	
245312	330148	>10.000	14.157
245313	330149	0.034	
245314	330150	0.011	
245315	330151	0.011	
245316	330152	0.154	
245317	330153	0.141	
245318	330154	0.078	

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245319	330154 Dup	0.072	
245320	330155	0.044	
245321	330156	0.013	
245322	330157	0.012	
245323	330158	0.007	
245324	330159	<0.005	
245325	330160	0.050	
245326	330161	0.089	
245327	330162	0.018	
245328	330163	0.007	
245329	330164	0.033	
245330	330164 Dup	0.020	
245331	330165	0.005	
245332	330166	<0.005	
245333	330167	0.007	
245334	330168	0.015	
245335	330169	0.014	
245336	330170	0.042	
245337	330171	0.011	
245338	330172	0.041	
245339	330173	<0.005	
245340	330174	0.030	
245341	330174	Insufficient Sample	
245342	330175	0.013	
245343	330176	0.038	

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245344	330177	0.073	
245345	330178	0.007	
245346	330179	<0.005	
245347	330180	<0.005	
245348	330181	0.098	
245349	330182	0.238	
245350	330183	0.149	
245351	330184	0.202	
245352	330184 Dup	0.225	
245353	330185	0.231	
245354	330186	0.109	
245355	330187	0.222	
245356	330188	0.200	
245357	330189	0.401	
245358	330190	0.498	
245359	330191	0.404	
245360	330192	0.055	
245361	330193	0.007	
245362	330194	<0.005	
245363	330194 Dup	<0.005	
245364	330195	0.008	
245365	330196	<0.005	
245366	330197	<0.005	
245367	330198	0.960	
245368	330199	<0.005	

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245369	330200	0.008	
245370	330201	<0.005	
245371	330202	<0.005	
245372	330203	0.017	
245373	330204	0.024	
245374	330204 Dup	0.037	
245375	330205	0.005	
245376	330206	0.009	
245377	330207	0.005	
245378	330208	0.007	
245379	330209	<0.005	
245380	330210	0.023	
245381	330211	0.007	
245382	330212	<0.005	
245383	330213	<0.005	
245384	330214	0.007	
245385	330214 Dup	<0.005	
245386	330215	0.009	
245387	330216	<0.005	
245388	330217	0.025	
245389	330218	<0.005	
245390	330219	<0.005	
245391	330220	<0.005	
245392	330221	<0.005	
245393	330222	<0.005	

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245394	330223	<0.005	
245395	330224	5.544	
245396	330224	Insufficient Sample	
245397	330225	0.007	
245398	330226	0.014	
245399	330227	<0.005	
245400	330228	<0.005	
245401	330229	<0.005	
245402	330230	<0.005	
245403	330231	<0.005	
245404	330232	<0.005	
245405	330233	<0.005	
245406	330234	0.008	
245407	330234 Rep	<0.005	
245408	330235	<0.005	
245409	330236	<0.005	
245410	330237	<0.005	
245411	330238	<0.005	
245412	330239	0.008	
245413	330240	0.027	
245414	330241	<0.005	
245415	330242	<0.005	
245416	330243	0.020	
245417	330244	<0.005	
245418	330244 Dup	<0.005	

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245419	330245	0.036	
245420	330246	<0.005	
245421	330247	0.006	
245422	330248	0.027	
245423	330249	Insufficient Sample	
245424	330250	0.084	
245425	330251	0.064	
245426	330252	0.101	
245427	330253	0.015	
245428	330254	0.070	
245429	330254 Dup	0.131	
245430	330255	8.025	
245431	330256	0.309	
245432	330257	0.046	
245433	330258	0.010	
245434	330259	0.382	
245435	330260	0.027	
245436	330261	<0.005	
245437	330262	0.014	
245438	330263	0.058	
245439	330264	0.111	
245440	330264 Dup	0.102	
245441	330265	0.070	
245442	330266	0.019	
245443	330267	0.016	

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245444	330268	<0.005	
245445	330269	<0.005	
245446	330270	<0.005	
245447	330271	<0.005	
245448	330272	<0.005	
245449	330273	0.011	
245450	330274	>10.000	14.654
245451	330274	Insufficient Sample	
245452	330275	0.015	
245453	330276	0.066	
245454	330277	0.074	
245455	330278	0.252	
245456	330279	0.113	
245457	330280	0.246	
245458	330281	0.129	
245459	330282	0.150	
245460	330283	0.131	
245461	330284	0.032	
245462	330284 Dup	0.025	
245463	330285	0.074	
245464	330286	0.156	
245465	330287	0.093	
245466	330288	0.062	
245467	330289	0.404	
245468	330290	0.031	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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assay@accurassay.com

Wednesday, December 21, 2016

Final Certificate

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1158 Russell Street, Unit D
Thunder Bay, , CAN
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Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 12/12/2016
Date Completed: 12/21/2016
Job #: 201642461
Reference: CWM-BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245469	330291	0.104	
245470	330292	0.177	
245471	330293	0.217	
245472	330294	0.081	
245473	330294 Rep	0.088	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Sample #: 300

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	1.026	1.100	0.060
WW06	Au	1.047	1.100	0.060
WW06	Au	1.159	1.100	0.060
WW06	Au	1.085	1.100	0.060
WW06	Au	1.061	1.100	0.060
WW06	Au	0.974	1.100	0.060
WW06	Au	1.082	1.100	0.060
WW06	Au	1.131	1.100	0.060
WW06	Au	0.958	1.100	0.060
GS45	Au	2.632	2.920	0.180
WW06	Au	0.994	1.100	0.060
WW06	Au	0.972	1.100	0.060

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Completed: 12/22/2016
Job #: 201642469
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245717	330295	0.259	
245718	330296	0.198	
245719	330297	0.338	
245720	330298	0.087	
245721	330299	<0.005	
245722	330300	0.086	
245723	330301	0.111	
245724	330302	0.188	
245725	330303	0.046	
245726	330304	0.094	
245727	330304 Dup	0.088	
245728	330305	0.208	
245729	330306	0.230	
245730	330307	0.224	
245731	330308	0.344	
245732	330309	0.190	
245733	330310	0.177	
245734	330311	0.254	
245735	330312	0.316	
245736	330313	0.165	
245737	330314	0.426	
245738	330314 Dup	0.502	
245739	330315	0.016	
245740	330316	0.027	
245741	330317	0.038	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245742	330318	0.050	
245743	330319	0.014	
245744	330320	<0.005	
245745	330321	0.008	
245746	330322	<0.005	
245747	330323	0.023	
245748	330324	0.999	
245749	330324	Insufficient Sample	
245750	330325	0.050	
245751	330326	0.037	
245752	330327	0.057	
245753	330328	0.032	
245754	330329	0.068	
245755	330330	0.072	
245756	330331	0.049	
245757	330332	0.046	
245758	330333	0.084	
245759	330334	0.021	
245760	330334 Dup	0.017	
245761	330335	3.273	
245762	330336	1.499	
245763	330337	0.010	
245764	330338	<0.005	
245765	330339	<0.005	
245766	330340	0.009	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245767	330341	0.010	
245768	330342	0.007	
245769	330343	<0.005	
245770	330344	<0.005	
245771	330344 Dup	<0.005	
245772	330345	0.035	
245773	330346	<0.005	
245774	330347	0.008	
245775	330348	0.518	
245776	330349	5.331	
245777	330350	0.253	
245778	330351	0.345	
245779	330352	0.401	
245780	330353	0.117	
245781	330354	0.006	
245782	330354 Rep	<0.005	
245783	330355	0.010	
245784	330356	0.064	
245785	330357	<0.005	
245786	330358	0.020	
245787	330359	<0.005	
245788	330360	0.148	
245789	330361	0.031	
245790	330362	0.036	
245791	330363	0.086	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245792	330364	0.040	
245793	330364 Dup	0.039	
245794	330365	0.059	
245795	330366	0.054	
245796	330367	0.008	
245797	330368	0.053	
245798	330369	0.007	
245799	330370	0.008	
245800	330371	0.005	
245801	330372	0.006	
245802	330373	<0.005	
245803	330374	<0.005	
245804	330374 Dup	<0.005	
245805	330375	<0.005	
245806	330376	0.019	
245807	330377	0.047	
245808	330378	<0.005	
245809	330379	0.007	
245810	330380	<0.005	
245811	330381	0.007	
245812	330382	0.006	
245813	330383	<0.005	
245814	330384	<0.005	
245815	330384 Dup	<0.005	
245816	330385	0.006	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245817	330386	0.030	
245818	330387	0.007	
245819	330388	0.006	
245820	330389	<0.005	
245821	330390	0.008	
245822	330391	<0.005	
245823	330392	<0.005	
245824	330393	<0.005	
245825	330394	<0.005	
245826	330394 Dup	<0.005	
245827	330395	0.007	
245828	330396	0.007	
245829	330397	<0.005	
245830	330398	<0.005	
245831	330399	<0.005	
245832	330400	>10.000	14.328
245833	330401	0.009	
245834	330402	0.006	
245835	330403	<0.005	
245836	330404	<0.005	
245837	330404 Dup	<0.005	
245838	330405	<0.005	
245839	330406	<0.005	
245840	330407	<0.005	
245841	330408	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245842	330409	0.006	
245843	330410	0.008	
245844	330411	<0.005	
245845	330412	<0.005	
245846	330413	<0.005	
245847	330414	<0.005	
245848	330414 Rep	<0.005	
245849	330415	<0.005	
245850	330416	<0.005	
245851	330417	0.011	
245852	330418	0.007	
245853	330419	<0.005	
245854	330420	0.079	
245855	330421	0.015	
245856	330422	0.076	
245857	330423	0.051	
245858	330424	>10.000	29.044
245859	330424 Dup	>10.000	36.614
245860	330425	0.025	
245861	330426	0.015	
245862	330427	0.012	
245863	330428	1.043	
245864	330429	0.036	
245865	330430	0.024	
245866	330431	0.016	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245867	330432	0.539	
245868	330433	0.017	
245869	330434	0.074	
245870	330434 Dup	0.057	
245871	330435	<0.005	
245872	330436	0.030	
245873	330437	0.006	
245874	330438	0.027	
245875	330439	0.014	
245876	330440	0.022	
245877	330441	0.021	
245878	330442	0.034	
245879	330443	0.082	
245880	330444	0.007	
245881	330444 Dup	0.008	
245882	330445	<0.005	
245883	330446	0.007	
245884	330447	0.013	
245885	330448	<0.005	
245886	330449	0.013	
245887	330450	1.021	
245888	330451	<0.005	
245889	330452	<0.005	
245890	330453	<0.005	
245891	330454	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245892	330454 Dup	<0.005	
245893	330455	0.124	
245894	330456	0.019	
245895	330457	<0.005	
245896	330458	<0.005	
245897	330459	<0.005	
245898	330460	<0.005	
245899	330461	<0.005	
245900	330462	0.055	
245901	330463	0.048	
245902	330464	0.045	
245903	330464 Dup	0.040	
245904	330465	0.091	
245905	330466	0.645	
245906	330467	0.128	
245907	330468	0.096	
245908	330469	0.059	
245909	330470	0.037	
245910	330471	0.261	
245911	330472	0.112	
245912	330473	0.261	
245913	330474	0.102	
245914	330474 Rep	0.112	
245915	330475	5.363	
245916	330476	0.031	

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245917	330477	0.009	
245918	330478	0.022	
245919	330479	0.012	
245920	330480	<0.005	
245921	330481	0.010	
245922	330482	0.096	
245923	330483	0.006	
245924	330484	0.051	
245925	330484 Dup	0.044	
245926	330485	<0.005	
245927	330486	0.016	
245928	330487	<0.005	
245929	330488	<0.005	
245930	330489	<0.005	
245931	330490	<0.005	
245932	330491	<0.005	
245933	330492	0.005	
245934	330493	<0.005	
245935	330494	0.023	
245936	330494 Dup	0.038	
245937	330495	0.015	
245938	330496	0.078	
245939	330497	0.013	
245940	330498	0.022	
245941	330499	0.041	

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245942	330500	Insufficient Sample	
245943	331001	0.105	
245944	331002	0.006	
245945	331003	<0.005	
245946	331004	<0.005	
245947	331004 Dup	<0.005	
245948	331005	<0.005	
245949	331006	<0.005	
245950	331007	0.005	
245951	331008	0.014	
245952	331009	0.008	
245953	331010	<0.005	
245954	331011	7.288	
245955	331012	0.026	
245956	331013	0.039	
245957	331014	0.011	
245958	331014 Dup	0.009	
245959	331015	0.037	
245960	331016	0.230	
245961	331017	0.064	
245962	331018	0.044	
245963	331019	0.096	
245964	331020	0.137	
245965	331021	0.122	
245966	331022	0.279	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245967	331023	0.025	
245968	331024	0.162	
245969	331024 Dup	0.168	
245970	331025	0.051	
245971	331026	>10.000	14.611
245972	331027	0.035	
245973	331028	0.031	
245974	331029	<0.005	
245975	331030	0.378	
245976	331031	0.139	
245977	331032	0.006	
245978	331033	<0.005	
245979	331034	<0.005	
245980	331034 Rep	<0.005	
245981	331035	<0.005	
245982	331036	<0.005	
245983	331037	<0.005	
245984	331038	<0.005	
245985	331039	0.012	
245986	331040	0.037	
245987	331041	0.007	
245988	331042	0.028	
245989	331043	<0.005	
245990	331044	0.007	
245991	331044 Dup	0.007	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Thursday, December 22, 2016

Final Certificate

Fladgate Exploration CC
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Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 12/15/2016
Date Completed: 12/22/2016
Job #: 201642469
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
245992	331045	<0.005	
245993	331046	<0.005	
245994	331047	<0.005	
245995	331048	<0.005	
245996	331049	<0.005	
245997	331050	<0.005	
245998	331051	0.006	
245999	331052	0.005	
246000	331053	0.006	
246001	331054	0.008	
246002	331054 Dup	0.005	
246003	331055	<0.005	
246004	331056	<0.005	
246005	331057	0.029	
246006	331058	0.044	
246007	331059	0.023	
246008	331060	0.785	
246009	331061	0.021	
246010	331062	0.033	
246011	331063	0.184	
246012	331064	0.108	
246013	331064 Dup	0.193	
246014	331065	0.434	
246015	331066	0.217	
246016	331067	0.017	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246017	331068	0.005	
246018	331069	<0.005	
246019	331070	<0.005	
246020	331071	0.084	
246021	331072	<0.005	
246022	331073	<0.005	
246023	331074	<0.005	
246024	331074 Dup	<0.005	
246025	331075	1.046	
246026	331076	0.073	
246027	331077	0.123	
246028	331078	0.008	
246029	331079	0.066	
246030	331080	0.132	
246031	331081	0.063	
246032	331082	0.077	
246033	331083	0.093	
246034	331084	0.008	
246035	331084 Dup	0.006	
246036	331085	0.069	
246037	331086	0.029	
246038	331087	0.009	
246039	331088	0.032	
246040	331089	0.087	
246041	331090	0.070	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246042	331091	0.019	
246043	331092	<0.005	
246044	331093	0.016	
246045	331094	0.018	

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Sample #: 300

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	1.042	1.100	0.060
GS45	Au	2.864	2.920	0.180
WW06	Au	1.037	1.100	0.060
WW06	Au	1.064	1.100	0.060
WW06	Au	1.060	1.100	0.060
WW06	Au	1.089	1.100	0.060
WW06	Au	1.067	1.100	0.060
WW06	Au	1.030	1.100	0.060
WW06	Au	1.090	1.100	0.060
WW06	Au	1.121	1.100	0.060
GS45	Au	2.815	2.920	0.180
WW06	Au	1.044	1.100	0.060
WW06	Au	0.890	1.100	0.060
WW06	Au	1.185	1.100	0.060
WW06	Au	1.089	1.100	0.060
GS37	Au	3.147	3.220	0.210

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246052	331095	0.008	
246053	331096	0.036	
246054	331097	<0.005	
246055	331098	0.025	
246056	331099	0.006	
246057	331100	5.516	
246058	331101	0.011	
246059	331102	<0.005	
246060	331103	<0.005	
246061	331104	<0.005	
246062	331104 Dup	<0.005	
246063	331105	<0.005	
246064	331106	<0.005	
246065	331107	0.009	
246066	331108	0.012	
246067	331109	0.015	
246068	331110	<0.005	
246069	331111	<0.005	
246070	331112	<0.005	
246071	331113	<0.005	
246072	331114	0.022	
246073	331114 Dup	0.022	
246074	331115	0.087	
246075	331116	0.037	
246076	331117	0.129	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246077	331118	0.021	
246078	331119	0.053	
246079	331120	0.044	
246080	331121	0.021	
246081	331122	0.029	
246082	331123	0.024	
246083	331124	<0.005	
246084	331124 Dup	<0.005	
246085	331125	<0.005	
246086	331126	0.047	
246087	331127	<0.005	
246088	331128	0.008	
246089	331129	0.046	
246090	331130	0.082	
246091	331131	0.395	
246092	331132	3.773	
246093	331133	1.772	
246094	331134	0.542	
246095	331134 Dup	0.520	
246096	331135	0.086	
246097	331136	0.088	
246098	331137	0.073	
246099	331138	0.041	
246100	331139	0.018	
246101	331140	0.372	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246102	331141	0.051	
246103	331142	0.027	
246104	331143	0.005	
246105	331144	<0.005	
246106	331144 Dup	<0.005	
246107	331145	<0.005	
246108	331146	0.070	
246109	331147	0.102	
246110	331148	0.054	
246111	331149	0.141	
246112	331150	>10.000	13.241
246113	331151	0.324	
246114	331152	0.041	
246115	331153	0.105	
246116	331154	0.580	
246117	331154 Rep	0.538	
246118	331155	0.310	
246119	331156	0.306	
246120	331157	0.413	
246121	331158	0.515	
246122	331159	0.385	
246123	331160	0.610	
246124	331161	0.243	
246125	331162	0.017	
246126	331163	0.067	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Job #: 201642472
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246127	331164	0.023	
246128	331164 Dup	0.027	
246129	331165	0.076	
246130	331166	0.085	
246131	331167	0.050	
246132	331168	<0.005	
246133	331169	<0.005	
246134	331170	0.012	
246135	331171	0.538	
246136	331172	0.014	
246137	331173	0.005	
246138	331174	0.008	
246139	331174 Dup	<0.005	
246140	331175	<0.005	
246141	331176	0.033	
246142	331177	0.192	
246143	331178	0.152	
246144	331179	0.143	
246145	331180	0.096	
246146	331181	0.101	
246147	331182	0.124	
246148	331183	<0.005	
246149	331184	0.676	
246150	331184 Dup	0.694	
246151	331185	0.078	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246152	331186	0.673	
246153	331187	0.159	
246154	331188	0.009	
246155	331189	<0.005	
246156	331190	<0.005	
246157	331191	<0.005	
246158	331192	<0.005	
246159	331193	<0.005	
246160	331194	0.033	
246161	331194 Dup	0.069	
246162	331195	<0.005	
246163	331196	<0.005	
246164	331197	<0.005	
246165	331198	<0.005	
246166	331199	<0.005	
246167	331200	0.995	
246168	331201	<0.005	
246169	331202	<0.005	
246170	331203	<0.005	
246171	331204	<0.005	
246172	331204 Dup	<0.005	
246173	331205	0.047	
246174	331206	0.019	
246175	331207	0.015	
246176	331208	0.014	

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246177	331209	<0.005	
246178	331210	0.017	
246179	331211	<0.005	
246180	331212	0.023	
246181	331213	0.101	
246182	331214	0.075	
246183	331214	Insufficient Sample	
246184	331215	0.088	
246185	331216	0.099	
246186	331217	0.092	
246187	331218	0.167	
246188	331219	0.194	
246189	331220	0.170	
246190	331221	0.165	
246191	331222	0.067	
246192	331223	0.107	
246193	331224	0.117	
246194	331224 Dup	0.116	
246195	331225	5.472	
246196	331226	0.319	
246197	331227	0.140	
246198	331228	0.071	
246199	331229	0.079	
246200	331230	0.087	
246201	331231	1.851	

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246202	331232	0.167	
246203	331233	0.049	
246204	331234	<0.005	
246205	331234 Dup	<0.005	
246206	331235	<0.005	
246207	331236	<0.005	
246208	331237	<0.005	
246209	331238	<0.005	
246210	331239	<0.005	
246211	331240	<0.005	
246212	331241	<0.005	
246213	331242	<0.005	
246214	331243	<0.005	
246215	331244	<0.005	
246216	331244 Dup	<0.005	
246217	331245	<0.005	
246218	331246	<0.005	
246219	331247	<0.005	
246220	331248	<0.005	
246221	331249	<0.005	
246222	331250	<0.005	
246223	331251	<0.005	
246224	331252	<0.005	
246225	331253	<0.005	
246226	331254	<0.005	

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246227	331254 Dup	<0.005	
246228	331255	<0.005	
246229	331256	<0.005	
246230	331257	<0.005	
246231	331258	<0.005	
246232	331259	<0.005	
246233	331260	0.016	
246234	331261	<0.005	
246235	331262	<0.005	
246236	331263	<0.005	
246237	331264	<0.005	
246238	331264 Dup	<0.005	
246239	331265	<0.005	
246240	331266	<0.005	
246241	331267	<0.005	
246242	331268	0.005	
246243	331269	<0.005	
246244	331270	0.037	
246245	331271	0.014	
246246	331272	0.009	
246247	331273	<0.005	
246248	331274	<0.005	
246249	331274 Rep	<0.005	
246250	331275	0.014	
246251	331276	>10.000	14.450

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Date Received: 12/21/2016
Date Completed: 01/16/2017
Job #: 201642472
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246252	331277	0.070	
246253	331278	<0.005	
246254	331279	<0.005	
246255	331280	<0.005	
246256	331281	0.013	
246257	331282	0.089	
246258	331283	0.367	
246259	331284	0.369	
246260	331284 Dup	0.365	
246261	331285	0.215	
246262	331286	0.253	
246263	331287	0.403	
246264	331288	0.269	
246265	331289	0.333	
246266	331290	0.094	
246267	331291	0.078	
246268	331292	0.446	
246269	331293	0.164	
246270	331294	<0.005	
246271	331294 Dup	<0.005	
246272	331295	0.014	
246273	331296	0.015	
246274	331297	0.088	
246275	331298	0.279	
246276	331299	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Monday, January 16, 2017

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246277	331300	0.198	
246278	331301	0.312	
246279	331302	0.180	
246280	331303	0.013	
246281	331304	0.179	
246282	331304 Dup	0.155	
246283	331305	0.158	
246284	331306	0.323	
246285	331307	0.268	
246286	331308	0.178	
246287	331309	0.370	
246288	331310	0.058	
246289	331311	0.233	
246290	331312	0.453	
246291	331313	0.069	
246292	331314	0.040	
246293	331314 Dup	0.054	
246294	331315	0.041	
246295	331316	0.074	
246296	331317	0.133	
246297	331318	0.197	
246298	331319	0.448	
246299	331320	0.203	
246300	331321	0.084	
246301	331322	0.252	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246302	331323	0.396	
246303	331324	0.998	
246304	331324	Insufficient Sample	
246305	331325	0.214	
246306	331326	0.166	
246307	331327	0.082	
246308	331328	0.016	
246309	331329	0.011	
246310	331330	0.071	
246311	331331	0.060	
246312	331332	0.006	
246313	331333	0.101	
246314	331334	0.016	
246315	331334	Insufficient Sample	
246316	331335	0.028	
246317	331336	0.008	
246318	331337	0.007	
246319	331338	<0.005	
246320	331339	0.008	
246321	331340	0.007	
246322	331341	0.006	
246323	331342	0.007	
246324	331343	0.006	
246325	331344	0.010	
246326	331344 Dup	0.009	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246327	331345	<0.005	
246328	331346	<0.005	
246329	331347	<0.005	
246330	331348	<0.005	
246331	331349	5.315	
246332	331350	0.007	
246333	331351	0.006	
246334	331352	<0.005	
246335	331353	<0.005	
246336	331354	<0.005	
246337	331354 Dup	<0.005	
246338	331355	<0.005	
246339	331356	<0.005	
246340	331357	<0.005	
246341	331358	<0.005	
246342	331359	<0.005	
246343	331360	<0.005	
246344	331361	<0.005	
246345	331362	<0.005	
246346	331363	<0.005	
246347	331364	<0.005	
246348	331364 Dup	<0.005	
246349	331365	0.006	
246350	331366	<0.005	
246351	331367	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246352	331368	<0.005	
246353	331369	<0.005	
246354	331370	<0.005	
246355	331371	<0.005	
246356	331372	0.074	
246357	331373	<0.005	
246358	331374	<0.005	
246359	331374 Dup	<0.005	
246360	331375	<0.005	
246361	331376	0.019	
246362	331377	<0.005	
246363	331378	0.011	
246364	331379	<0.005	
246365	331380	<0.005	
246366	331381	<0.005	
246367	331382	0.014	
246368	331383	0.014	
246369	331384	0.020	
246370	331384 Dup	0.028	
246371	331385	0.011	
246372	331386	0.022	
246373	331387	1.299	
246374	331388	0.044	
246375	331389	0.018	
246376	331390	0.009	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246377	331391	0.028	
246378	331392	0.013	
246379	331393	0.023	
246380	331394	0.023	
246381	331394 Rep	0.025	

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Sample #: 300

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
GS45	Au	2.875	2.920	0.180
WW06	Au	1.005	1.100	0.060
WW06	Au	1.157	1.100	0.060
WW06	Au	1.086	1.100	0.060
WW06	Au	1.064	1.100	0.060
WW06	Au	1.014	1.100	0.060
WW06	Au	1.056	1.100	0.060
WW06	Au	1.119	1.100	0.060
WW06	Au	1.170	1.100	0.060
WW06	Au	1.163	1.100	0.060
WW06	Au	1.083	1.100	0.060
GS45	Au	2.407	2.920	0.180
WW06	Au	1.048	1.100	0.060
GS37	AuG	3.606	3.220	0.210

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Reference: CWM_BAN
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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246382	331395	0.011	
246383	331396	<0.005	
246384	331397	0.012	
246385	331398	0.094	
246386	331399	>10.000	14.022
246387	331400	0.054	
246388	331401	0.009	
246389	331402	0.017	
246390	331403	0.015	
246391	331404	0.037	
246392	331404 Dup	0.012	
246393	331405	<0.005	
246394	331406	0.006	
246395	331407	0.010	
246396	331408	0.017	
246397	331409	0.013	
246398	331410	0.022	
246399	331411	0.022	
246400	331412	0.010	
246401	331413	0.013	
246402	331414	<0.005	
246403	331414 Dup	0.006	
246404	331415	0.006	
246405	331416	0.008	
246406	331417	0.007	

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246407	331418	0.006	
246408	331419	0.050	
246409	331420	0.088	
246410	331421	<0.005	
246411	331422	0.006	
246412	331423	0.007	
246413	331424	<0.005	
246414	331424 Dup	0.006	
246415	331425	<0.005	
246416	331426	0.008	
246417	331427	0.010	
246418	331428	0.009	
246419	331429	0.011	
246420	331430	0.013	
246421	331431	0.007	
246422	331432	0.009	
246423	331433	0.008	
246424	331434	0.006	
246425	331434 Dup	0.006	
246426	331435	0.010	
246427	331436	0.006	
246428	331437	0.009	
246429	331438	0.010	
246430	331439	0.005	
246431	331440	0.005	

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246432	331441	<0.005	
246433	331442	0.007	
246434	331443	0.005	
246435	331444	0.006	
246436	331444 Dup	0.006	
246437	331445	0.010	
246438	331446	0.007	
246439	331447	0.008	
246440	331448	<0.005	
246441	331449	1.063	
246442	331450	0.005	
246443	331451	<0.005	
246444	331452	<0.005	
246445	331453	<0.005	
246446	331454	<0.005	
246447	331454 Rep	<0.005	
246448	331455	<0.005	
246449	331456	<0.005	
246450	331457	<0.005	
246451	331458	0.006	
246452	331459	0.079	
246453	331460	<0.005	
246454	331461	<0.005	
246455	331462	0.005	
246456	331463	<0.005	

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246457	331464	0.005	
246458	331464 Dup	0.005	
246459	331465	<0.005	
246460	331466	<0.005	
246461	331467	<0.005	
246462	331468	<0.005	
246463	331469	<0.005	
246464	331470	<0.005	
246465	331471	<0.005	
246466	331472	<0.005	
246467	331473	<0.005	
246468	331474	5.871	
246469	331474	Insufficient Sample	
246470	331475	<0.005	
246471	331476	<0.005	
246472	331477	<0.005	
246473	331478	<0.005	
246474	331479	<0.005	
246475	331480	<0.005	
246476	331481	<0.005	
246477	331482	<0.005	
246478	331483	<0.005	
246479	331484	<0.005	
246480	331484 Dup	<0.005	
246481	331485	<0.005	

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246482	331486	<0.005	
246483	331487	<0.005	
246484	331488	<0.005	
246485	331489	<0.005	
246486	331490	<0.005	
246487	331491	<0.005	
246488	331492	<0.005	
246489	331493	<0.005	
246490	331494	<0.005	
246491	331494 Dup	<0.005	
246492	331495	0.006	
246493	331496	0.007	
246494	331497	<0.005	
246495	331498	<0.005	
246496	331499	<0.005	
246497	331500	0.006	
246498	331501	0.007	
246499	331502	0.019	
246500	331503	0.007	
246501	331504	<0.005	
246502	331504 Dup	<0.005	
246503	331505	0.007	
246504	331506	0.009	
246505	331507	0.006	
246506	331508	<0.005	

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246507	331509	0.006	
246508	331510	0.006	
246509	331511	0.014	
246510	331512	0.019	
246511	331513	0.021	
246512	331514	0.019	
246513	331514 Rep	0.023	
246514	331515	0.066	
246515	331516	0.048	
246516	331517	0.028	
246517	331518	0.011	
246518	331519	<0.005	
246519	331520	<0.005	
246520	331521	<0.005	
246521	331522	<0.005	
246522	331523	<0.005	
246523	331524	0.020	
246524	331524 Dup	0.007	
246525	331525	>10.000	13.843
246526	331526	0.026	
246527	331527	0.032	
246528	331528	0.010	
246529	331529	<0.005	
246530	331530	<0.005	
246531	331531	<0.005	

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assay@accurassay.com

Monday, January 16, 2017

Final Certificate

Fladgate Exploration CC
1158 Russell Street, Unit D
Thunder Bay, , CAN
P7B5N2
Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 12/17/2016
Date Completed: 01/16/2017
Job #: 201642473
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246532	331532	<0.005	
246533	331533	0.009	
246534	331534	0.018	
246535	331534 Dup	<0.005	
246536	331535	<0.005	
246537	331536	<0.005	
246538	331537	<0.005	
246539	331538	0.024	
246540	331539	0.015	
246541	331540	<0.005	
246542	331541	<0.005	
246543	331542	<0.005	
246544	331543	<0.005	
246545	331544	<0.005	
246546	331544 Dup	<0.005	
246547	331545	<0.005	
246548	331546	<0.005	
246549	331547	<0.005	
246550	331548	<0.005	
246551	331549	<0.005	
246552	331550	<0.005	
246553	331551	<0.005	
246554	331552	<0.005	
246555	331553	<0.005	
246556	331554	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Date Completed: 01/16/2017
Job #: 201642473
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246557	331554 Dup	<0.005	
246558	331555	<0.005	
246559	331556	<0.005	
246560	331557	<0.005	
246561	331558	<0.005	
246562	331559	<0.005	
246563	331560	<0.005	
246564	331561	<0.005	
246565	331562	<0.005	
246566	331563	<0.005	
246567	331564	<0.005	
246568	331564 Dup	<0.005	
246569	331565	<0.005	
246570	331566	<0.005	
246571	331567	0.006	
246572	331568	0.005	
246573	331569	<0.005	
246574	331570	0.006	
246575	331571	0.007	
246576	331572	<0.005	
246577	331573	0.006	
246578	331574	<0.005	
246579	331574 Rep	<0.005	
246580	331575	1.009	
246581	331576	0.007	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246582	331577	<0.005	
246583	331578	<0.005	
246584	331579	<0.005	
246585	331580	<0.005	
246586	331581	<0.005	
246587	331582	<0.005	
246588	331583	<0.005	
246589	331584	<0.005	
246590	331584 Dup	<0.005	
246591	331585	<0.005	
246592	331586	<0.005	
246593	331587	<0.005	
246594	331588	<0.005	
246595	331589	<0.005	
246596	331590	<0.005	
246597	331591	<0.005	
246598	331592	<0.005	
246599	331593	<0.005	
246600	331594	<0.005	
246601	331594 Dup	<0.005	
246602	331595	<0.005	
246603	331596	<0.005	
246604	331597	<0.005	
246605	331598	<0.005	
246606	331599	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Lab Manager - Thunder Bay

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246607	331600	3.544	
246608	331601	0.007	
246609	331602	<0.005	
246610	331603	<0.005	
246611	331604	0.010	
246612	331604 Dup	0.011	
246613	331605	<0.005	
246614	331606	<0.005	
246615	331607	0.010	
246616	331608	<0.005	
246617	331609	<0.005	
246618	331610	<0.005	
246619	331611	<0.005	
246620	331612	<0.005	
246621	331613	<0.005	
246622	331614	<0.005	
246623	331614 Dup	<0.005	
246624	331615	<0.005	
246625	331616	<0.005	
246626	331617	0.007	
246627	331618	<0.005	
246628	331619	<0.005	
246629	331620	<0.005	
246630	331621	<0.005	
246631	331622	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246632	331623	<0.005	
246633	331624	<0.005	
246634	331624 Dup	<0.005	
246635	331625	0.029	
246636	331626	0.019	
246637	331627	0.005	
246638	331628	<0.005	
246639	331629	<0.005	
246640	331630	<0.005	
246641	331631	<0.005	
246642	331632	<0.005	
246643	331633	<0.005	
246644	331634	0.007	
246645	331634 Rep	<0.005	
246646	331635	<0.005	
246647	331636	<0.005	
246648	331637	0.027	
246649	331638	0.006	
246650	331639	0.022	
246651	331640	0.056	
246652	331641	0.103	
246653	331642	0.269	
246654	331643	0.249	
246655	331644	0.364	
246656	331644 Dup	0.341	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246657	331645	0.219	
246658	331646	0.086	
246659	331647	0.438	
246660	331648	0.270	
246661	331649	0.223	
246662	331650	>10.000	13.959
246663	331651	0.168	
246664	331652	0.258	
246665	331653	0.022	
246666	331654	0.014	
246667	331654 Dup	0.033	
246668	331655	0.138	
246669	331656	0.319	
246670	331657	0.510	
246671	331658	0.218	
246672	331659	0.127	
246673	331660	0.097	
246674	331661	0.262	
246675	331662	0.025	
246676	331663	<0.005	
246677	331664	<0.005	
246678	331664 Dup	<0.005	
246679	331665	0.014	
246680	331666	0.076	
246681	331667	0.093	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246682	331668	0.074	
246683	331669	0.067	
246684	331670	0.134	
246685	331671	0.066	
246686	331672	0.133	
246687	331673	0.111	
246688	331674	0.659	
246689	331674 Dup	0.524	
246690	331675	<0.005	
246691	331676	0.193	
246692	331677	0.278	
246693	331678	0.585	
246694	331679	0.251	
246695	331680	0.225	
246696	331681	0.252	
246697	331682	0.589	
246698	331683	0.374	
246699	331684	0.385	
246700	331684 Dup	0.346	
246701	331685	0.170	
246702	331686	0.037	
246703	331687	0.105	
246704	331688	0.104	
246705	331689	0.006	
246706	331690	0.012	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246707	331691	<0.005	
246708	331692	0.007	
246709	331693	<0.005	
246710	331694	<0.005	
246711	331694 Rep	<0.005	

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Date Completed: 01/16/2017
Job #: 201642473
Reference: CWM_BAN
Sample #: 300

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
GS45	Au	3.114	2.920	0.180
WW06	Au	0.933	1.100	0.060
WW06	Au	0.941	1.100	0.060
WW06	Au	1.104	1.100	0.060
WW06	Au	1.154	1.100	0.060
WW06	Au	1.242	1.100	0.060
WW06	Au	1.144	1.100	0.060
WW06	Au	1.266	1.100	0.060
WW06	Au	1.152	1.100	0.060
WW06	Au	1.112	1.100	0.060
WW06	Au	1.032	1.100	0.060
GS45	Au	2.732	2.920	0.180
WW06	Au	1.111	1.100	0.060
WW06	Au	1.085	1.100	0.060
WW06	Au	0.997	1.100	0.060
WW06	Au	1.375	1.100	0.060
GS37	AuG	3.586	3.220	0.210

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Received: 12/17/2016
Date Completed: 01/16/2017
Job #: 201642474
Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246712	331695	<0.005	
246713	331696	<0.005	
246714	331697	<0.005	
246715	331698	<0.005	
246716	331699	0.005	
246717	331700	1.027	
246718	331701	<0.005	
246719	331702	<0.005	
246720	331703	<0.005	
246721	331704	<0.005	
246722	331704 Dup	<0.005	
246723	331705	<0.005	
246724	331706	0.006	
246725	331707	0.006	
246726	331708	0.006	
246727	331709	<0.005	
246728	331710	0.007	
246729	331711	0.006	
246730	331712	<0.005	
246731	331713	<0.005	
246732	331714	<0.005	
246733	331714 Dup	<0.005	
246734	331715	0.007	
246735	331716	0.011	
246736	331717	0.009	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Job #: 201642474
Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246737	331718	0.009	
246738	331719	<0.005	
246739	331720	<0.005	
246740	331721	<0.005	
246741	331722	0.008	
246742	331723	0.011	
246743	331724	<0.005	
246744	331724 Dup	<0.005	
246745	331725	5.869	
246746	331726	0.012	
246747	331727	<0.005	
246748	331728	<0.005	
246749	331729	<0.005	
246750	331730	0.185	
246751	331731	0.296	
246752	331732	0.280	
246753	331733	0.142	
246754	331734	0.024	
246755	331734 Dup	0.029	
246756	331735	0.034	
246757	331736	0.012	
246758	331737	0.006	
246759	331738	0.021	
246760	331739	0.360	
246761	331740	0.071	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Job #: 201642474
Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246762	331741	0.271	
246763	331742	0.068	
246764	331743	0.919	
246765	331744	0.283	
246766	331744 Dup	0.355	
246767	331745	0.536	
246768	331746	0.036	
246769	331747	0.041	
246770	331748	0.269	
246771	331749	0.285	
246772	331750	0.313	
246773	331751	0.938	
246774	331752	1.041	
246775	331753	0.455	
246776	331754	0.235	
246777	331754 Rep	0.254	
246778	331755	0.307	
246779	331756	0.287	
246780	331757	0.230	
246781	331758	0.312	
246782	331759	0.186	
246783	331760	0.230	
246784	331761	0.079	
246785	331762	0.016	
246786	331763	0.015	

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Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246787	331764	0.041	
246788	331764 Dup	0.039	
246789	331765	0.036	
246790	331766	0.020	
246791	331767	0.033	
246792	331768	0.047	
246793	331769	0.198	
246794	331770	0.061	
246795	331771	0.128	
246796	331772	0.026	
246797	331773	0.014	
246798	331774	0.024	
246799	331774 Dup	0.025	
246800	331775	>10.000	14.103
246801	331776	0.203	
246802	331777	0.146	
246803	331778	0.017	
246804	331779	0.009	
246805	331780	0.013	
246806	331781	0.008	
246807	331782	0.011	
246808	331783	<0.005	
246809	331784	0.007	
246810	331784 Dup	0.014	
246811	331785	0.015	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Monday, January 16, 2017

Final Certificate

Fladgate Exploration CC
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Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 12/17/2016
Date Completed: 01/16/2017
Job #: 201642474
Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246812	331786	0.011	
246813	331787	0.041	
246814	331788	<0.005	
246815	331789	0.009	
246816	331790	<0.005	
246817	331791	0.005	
246818	331792	0.006	
246819	331793	<0.005	
246820	331794	0.010	
246821	331794 Dup	0.010	
246822	331795	0.009	
246823	331796	0.011	
246824	331797	0.006	
246825	331798	<0.005	
246826	331799	0.008	
246827	331800	<0.005	
246828	331801	0.006	
246829	331802	<0.005	
246830	331803	<0.005	
246831	331804	<0.005	
246832	331804 Dup	<0.005	
246833	331805	0.461	
246834	331806	0.006	
246835	331807	0.034	
246836	331808	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Lab Manager - Thunder Bay

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Job #: 201642474
Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246837	331809	<0.005	
246838	331810	<0.005	
246839	331811	<0.005	
246840	331812	0.009	
246841	331813	0.162	
246842	331814	0.039	
246843	331814 Rep	0.049	
246844	331815	0.154	
246845	331816	0.006	
246846	331817	0.090	
246847	331818	0.599	
246848	331819	0.159	
246849	331820	0.076	
246850	331821	0.012	
246851	331822	0.025	
246852	331823	0.045	
246853	331824	0.019	
246854	331824 Dup	0.009	
246855	331825	1.055	
246856	331826	0.022	
246857	331827	0.006	
246858	331828	0.023	
246859	331829	0.011	
246860	331830	0.019	
246861	331831	0.009	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Date Completed: 01/16/2017
Job #: 201642474
Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246862	331832	0.141	
246863	331833	0.017	
246864	331834	0.006	
246865	331834 Dup	0.009	
246866	331835	0.014	
246867	331836	0.006	
246868	331837	0.007	
246869	331838	0.023	
246870	331839	0.021	
246871	331840	0.039	
246872	331841	0.005	
246873	331842	0.008	
246874	331843	0.009	
246875	331844	0.022	
246876	331844 Dup	0.023	
246877	331845	0.006	
246878	331846	0.024	
246879	331847	0.010	
246880	331848	0.020	
246881	331849	0.022	
246882	331850	5.815	
246883	331851	0.025	
246884	331852	0.009	
246885	331853	0.014	
246886	331854	0.011	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

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Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246887	331854 Dup	0.024	
246888	331855	0.008	
246889	331856	<0.005	
246890	331857	<0.005	
246891	331858	<0.005	
246892	331859	<0.005	
246893	331860	<0.005	
246894	331861	0.008	
246895	331862	0.007	
246896	331863	0.008	
246897	331864	<0.005	
246898	331864 Dup	<0.005	
246899	331865	<0.005	
246900	331866	<0.005	
246901	331867	0.005	
246902	331868	0.010	
246903	331869	0.187	
246904	331870	0.013	
246905	331871	<0.005	
246906	331872	0.011	
246907	331873	0.082	
246908	331874	0.040	
246909	331874 Rep	0.057	
246910	331875	0.037	
246911	331876	0.062	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246912	331877	0.040	
246913	331878	0.030	
246914	331879	0.042	
246915	331880	<0.005	
246916	331881	<0.005	
246917	331882	0.010	
246918	331883	0.028	
246919	331884	0.024	
246920	331884 Dup	0.028	
246921	331885	0.010	
246922	331886	<0.005	
246923	331887	0.009	
246924	331888	0.033	
246925	331889	0.019	
246926	331890	0.087	
246927	331891	0.019	
246928	331892	0.026	
246929	331893	0.028	
246930	331894	0.034	
246931	331894 Dup	0.033	
246932	331895	0.040	
246933	331896	0.016	
246934	331897	0.014	
246935	331898	0.015	
246936	331899	0.012	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Job #: 201642474
Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246937	331900	>10.000	13.523
246938	331901	0.014	
246939	331902	0.006	
246940	331903	0.015	
246941	331904	<0.005	
246942	331904 Dup	<0.005	
246943	331905	<0.005	
246944	331906	<0.005	
246945	331907	<0.005	
246946	331908	0.025	
246947	331909	0.233	
246948	331910	<0.005	
246949	331911	<0.005	
246950	331912	0.008	
246951	331913	<0.005	
246952	331914	<0.005	
246953	331914 Dup	<0.005	
246954	331915	<0.005	
246955	331916	<0.005	
246956	331917	<0.005	
246957	331918	<0.005	
246958	331919	<0.005	
246959	331920	<0.005	
246960	331921	0.010	
246961	331922	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Lab Manager - Thunder Bay

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Date Received: 12/17/2016
Date Completed: 01/16/2017
Job #: 201642474
Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246962	331923	<0.005	
246963	331924	<0.005	
246964	331924 Dup	<0.005	
246965	331925	0.011	
246966	331926	<0.005	
246967	331927	<0.005	
246968	331928	0.026	
246969	331929	0.068	
246970	331930	0.013	
246971	331931	0.012	
246972	331932	0.006	
246973	331933	<0.005	
246974	331934	0.021	
246975	331934 Rep	0.056	
246976	331935	<0.005	
246977	331936	<0.005	
246978	331937	<0.005	
246979	331938	0.263	
246980	331939	0.011	
246981	331940	0.075	
246982	331941	0.046	
246983	331942	0.758	
246984	331943	0.635	
246985	331944	0.319	
246986	331944 Dup	0.261	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
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Date Completed: 01/16/2017
Job #: 201642474
Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246987	331945	0.234	
246988	331946	0.289	
246989	331947	0.291	
246990	331948	0.140	
246991	331949	0.344	
246992	331950	0.563	
246993	331951	0.113	
246994	331952	0.052	
246995	331953	0.013	
246996	331954	<0.005	
246997	331954 Dup	<0.005	
246998	331955	0.006	
246999	331956	0.006	
247000	331957	0.011	
247001	331958	0.009	
247002	331959	<0.005	
247003	331960	<0.005	
247004	331961	<0.005	
247005	331962	<0.005	
247006	331963	<0.005	
247007	331964	0.009	
247008	331964 Dup	0.009	
247009	331965	<0.005	
247010	331966	0.035	
247011	331967	0.353	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Completed: 01/16/2017
Job #: 201642474
Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247012	331968	0.164	
247013	331969	0.087	
247014	331970	0.130	
247015	331971	0.116	
247016	331972	0.061	
247017	331973	0.011	
247018	331974	<0.005	
247019	331974 Dup	<0.005	
247020	331975	3.316	
247021	331976	0.061	
247022	331977	<0.005	
247023	331978	0.089	
247024	331979	<0.005	
247025	331980	0.007	
247026	331981	<0.005	
247027	331982	<0.005	
247028	331983	<0.005	
247029	331984	<0.005	
247030	331984 Dup	<0.005	
247031	331985	<0.005	
247032	331986	<0.005	
247033	331987	<0.005	
247034	331988	<0.005	
247035	331989	<0.005	
247036	331990	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Received: 12/17/2016
Date Completed: 01/16/2017
Job #: 201642474
Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247037	331991	<0.005	
247038	331992	<0.005	
247039	331993	<0.005	
247040	331994	<0.005	
247041	331994 Rep	<0.005	
247042	331995	<0.005	
247043	331996	<0.005	
247044	331997	<0.005	
247045	331998	0.010	
247046	331999	<0.005	
247047	332000	<0.005	

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Date Received: 12/17/2016
Date Completed: 01/16/2017
Job #: 201642474
Reference: CWM_BAN
Sample #: 306

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	0.478	1.100	0.060
WW06	Au	1.146	1.100	0.060
WW06	Au	1.013	1.100	0.060
WW06	Au	1.076	1.100	0.060
WW06	Au	1.110	1.100	0.060
WW06	Au	1.072	1.100	0.060
WW06	Au	1.117	1.100	0.060
WW06	Au	1.006	1.100	0.060
WW06	Au	1.006	1.100	0.060
GS45	Au	2.673	2.920	0.180
WW06	Au	0.991	1.100	0.060
WW06	Au	0.985	1.100	0.060
WW06	Au	1.066	1.100	0.060
WW06	Au	1.041	1.100	0.060
WW06	Au	1.106	1.100	0.060
WW06	Au	1.024	1.100	0.060

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Friday, January 20, 2017

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Email: michael.thompson@fladgateexploration.com

Date Received: 12/17/2016
Date Completed: 01/20/2017
Job #: 201642475
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247048	332501	<0.005	
247049	332502	<0.005	
247050	332503	0.020	
247051	332504	0.025	
247052	332505	0.025	
247053	332506	0.043	
247054	332507	0.037	
247055	332508	0.026	
247056	332509	0.021	
247057	332510	0.241	
247058	332510 Dup	0.260	
247059	332511	0.011	
247060	332512	0.010	
247061	332513	<0.005	
247062	332514	<0.005	
247063	332515	0.005	
247064	332516	0.010	
247065	332517	<0.005	
247066	332518	<0.005	
247067	332519	0.009	
247068	332520	0.005	
247069	332520 Dup	0.007	
247070	332521	0.018	
247071	332522	0.006	
247072	332523	0.040	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Friday, January 20, 2017

Final Certificate

Fladgate Exploration CC
1158 Russell Street, Unit D
Thunder Bay, , CAN
P7B5N2
Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 12/17/2016
Date Completed: 01/20/2017
Job #: 201642475
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247073	332524	0.024	
247074	332525	>10.000	13.988
247075	332526	0.034	
247076	332527	0.367	
247077	332528	0.061	
247078	332529	0.198	
247079	332530	0.376	
247080	332530 Dup	0.436	
247081	332531	0.370	
247082	332532	0.073	
247083	332533	0.057	
247084	332534	0.157	
247085	332535	0.501	
247086	332536	0.641	
247087	332537	0.306	
247088	332538	0.245	
247089	332539	0.355	
247090	332540	0.252	
247091	332540 Dup	0.286	
247092	332541	0.101	
247093	332542	0.030	
247094	332543	0.008	
247095	332544	0.083	
247096	332545	0.008	
247097	332546	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247098	332547	0.012	
247099	332548	<0.005	
247100	332549	<0.005	
247101	332550	<0.005	
247102	332550 Dup	<0.005	
247103	332551	<0.005	
247104	332552	<0.005	
247105	332553	<0.005	
247106	332554	0.080	
247107	332555	<0.005	
247108	332556	<0.005	
247109	332557	0.108	
247110	332558	0.021	
247111	332559	0.035	
247112	332560	0.005	
247113	332560 Rep	0.006	
247114	332561	0.011	
247115	332562	<0.005	
247116	332563	<0.005	
247117	332564	<0.005	
247118	332565	<0.005	
247119	332566	0.005	
247120	332567	<0.005	
247121	332568	0.006	
247122	332569	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247123	332570	<0.005	
247124	332570 Dup	<0.005	
247125	332571	<0.005	
247126	332572	0.016	
247127	332573	0.020	
247128	332574	0.008	
247129	332575	0.924	
247130	332576	0.329	
247131	332577	0.037	
247132	332578	0.673	
247133	332579	0.009	
247134	332580	0.009	
247135	332580 Dup	0.009	
247136	332581	0.023	
247137	332582	0.435	
247138	332583	0.655	
247139	332584	0.455	
247140	332585	0.009	
247141	332586	0.026	
247142	332587	0.040	
247143	332588	0.020	
247144	332589	0.039	
247145	332590	0.012	
247146	332590 Dup	0.028	
247147	332591	0.046	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247148	332592	0.014	
247149	332593	0.028	
247150	332594	0.011	
247151	332595	0.011	
247152	332596	0.010	
247153	332597	0.025	
247154	332598	0.015	
247155	332599	0.299	
247156	332600	5.206	
247157	332600	Insufficient Sample	
247158	332601	0.038	
247159	332602	0.033	
247160	332603	0.241	
247161	332604	0.310	
247162	332605	0.083	
247163	332606	0.120	
247164	332607	0.082	
247165	332608	0.388	
247166	332609	0.102	
247167	332610	0.009	
247168	332610 Dup	0.009	
247169	332611	<0.005	
247170	332612	0.011	
247171	332613	0.089	
247172	332614	0.025	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247173	332615	0.039	
247174	332616	0.013	
247175	332617	0.058	
247176	332618	0.015	
247177	332619	0.009	
247178	332620	0.009	
247179	332620 Rep	0.008	
247180	332621	0.009	
247181	332622	0.010	
247182	332623	0.009	
247183	332624	0.050	
247184	332625	0.008	
247185	332626	<0.005	
247186	332627	<0.005	
247187	332628	0.005	
247188	332629	<0.005	
247189	332630	<0.005	
247190	332630 Dup	<0.005	
247191	332631	<0.005	
247192	332632	<0.005	
247193	332633	<0.005	
247194	332634	<0.005	
247195	332635	<0.005	
247196	332636	<0.005	
247197	332637	<0.005	

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247198	332638	<0.005	
247199	332639	<0.005	
247200	332640	<0.005	
247201	332640 Dup	<0.005	
247202	332641	<0.005	
247203	332642	<0.005	
247204	332643	<0.005	
247205	332644	<0.005	
247206	332645	<0.005	
247207	332646	<0.005	
247208	332647	<0.005	
247209	332648	<0.005	
247210	332649	<0.005	
247211	332650	>10.000	14.163
247212	332650	Insufficient Sample	
247213	332651	<0.005	
247214	332652	<0.005	
247215	332653	<0.005	
247216	332654	<0.005	
247217	332655	<0.005	
247218	332656	<0.005	
247219	332657	<0.005	
247220	332658	<0.005	
247221	332659	<0.005	
247222	332660	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247223	332660 Dup	<0.005	
247224	332661	<0.005	
247225	332662	<0.005	
247226	332663	<0.005	
247227	332664	0.299	
247228	332665	<0.005	
247229	332666	<0.005	
247230	332667	<0.005	
247231	332668	<0.005	
247232	332669	0.342	
247233	332670	0.013	
247234	332670 Dup	0.005	
247235	332671	<0.005	
247236	332672	<0.005	
247237	332673	<0.005	
247238	332674	<0.005	
247239	332675	<0.005	
247240	332676	0.005	
247241	332677	<0.005	
247242	332678	<0.005	
247243	332679	<0.005	
247244	332680	<0.005	
247245	332680 Rep	<0.005	
247246	332681	<0.005	
247247	332682	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247248	332683	<0.005	
247249	332684	<0.005	
247250	332685	<0.005	
247251	332686	<0.005	
247252	332687	<0.005	
247253	332688	<0.005	
247254	332689	0.025	
247255	332690	0.037	
247256	332690 Dup	0.041	
247257	332691	0.051	
247258	332692	<0.005	
247259	332693	0.015	
247260	332694	<0.005	
247261	332695	0.054	
247262	332696	0.010	
247263	332697	0.088	
247264	332698	0.080	
247265	332699	0.012	
247266	332700	1.033	
247267	332700	Insufficient Sample	
247268	332701	0.423	
247269	332702	0.368	
247270	332703	0.162	
247271	332704	0.311	
247272	332705	0.408	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247273	332706	0.206	
247274	332707	0.279	
247275	332708	0.416	
247276	332709	0.146	
247277	332710	0.058	
247278	332710 Dup	0.051	
247279	332711	0.050	
247280	332712	0.302	
247281	332713	0.229	
247282	332714	0.097	
247283	332715	0.166	
247284	332716	0.074	
247285	332717	0.182	
247286	332718	0.100	
247287	332719	0.132	
247288	332720	0.279	
247289	332720 Dup	0.231	
247290	332721	0.090	
247291	332722	0.261	
247292	332723	0.059	
247293	332724	0.027	
247294	332725	6.076	
247295	332726	0.022	
247296	332727	0.018	
247297	332728	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247298	332729	0.006	
247299	332730	<0.005	
247300	332730 Dup	<0.005	
247301	332731	0.007	
247302	332732	0.006	
247303	332733	<0.005	
247304	332734	0.006	
247305	332735	0.010	
247306	332736	<0.005	
247307	332737	<0.005	
247308	332738	0.007	
247309	332739	<0.005	
247310	332740	0.011	
247311	332740 Rep	0.014	
247312	332741	0.019	
247313	332742	0.016	
247314	332743	0.022	
247315	332744	0.012	
247316	332745	0.013	
247317	332746	0.012	
247318	332747	0.016	
247319	332748	0.012	
247320	332749	0.009	
247321	332750	0.015	
247322	332750 Dup	0.010	

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247323	332751	0.012	
247324	332752	<0.005	
247325	332753	0.019	
247326	332754	0.092	
247327	332755	0.046	
247328	332756	0.030	
247329	332757	0.027	
247330	332758	0.036	
247331	332759	0.089	
247332	332760	0.012	
247333	332760 Dup	0.014	
247334	332761	0.018	
247335	332762	0.006	
247336	332763	0.033	
247337	332764	0.022	
247338	332765	<0.005	
247339	332766	0.006	
247340	332767	<0.005	
247341	332768	0.005	
247342	332769	<0.005	
247343	332770	0.014	
247344	332770 Dup	0.009	
247345	332771	0.013	
247346	332772	0.028	
247347	332773	0.025	

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247348	332774	>10.000	14.616
247349	332775	0.027	
247350	332776	0.022	
247351	332777	0.014	
247352	332778	0.007	
247353	332779	0.011	
247354	332780	0.014	
247355	332780 Dup	0.014	
247356	332781	0.010	
247357	332782	0.024	
247358	332783	0.054	
247359	332784	0.058	
247360	332785	0.016	
247361	332786	0.012	
247362	332787	0.009	
247363	332788	0.025	
247364	332789	0.101	
247365	332790	0.024	
247366	332790 Dup	0.016	
247367	332791	0.005	
247368	332792	0.008	
247369	332793	0.016	
247370	332794	<0.005	
247371	332795	<0.005	
247372	332796	<0.005	

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247373	332797	<0.005	
247374	332798	0.011	
247375	332799	<0.005	
247376	332800	0.006	
247377	332800	Insufficient Sample	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Friday, January 20, 2017

Final Certificate

Fladgate Exploration CC
1158 Russell Street, Unit D
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Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 12/17/2016
Date Completed: 01/20/2017
Job #: 201642475
Reference: CWM_BAN
Sample #: 300

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	0.923	1.100	0.060
WW06	Au	0.995	1.100	0.060
GS45	Au	2.764	2.920	0.180
WW06	Au	1.079	1.100	0.060
WW06	Au	0.990	1.100	0.060
WW06	Au	1.045	1.100	0.060
WW06	Au	1.160	1.100	0.060
WW06	Au	1.135	1.100	0.060
WW06	Au	1.060	1.100	0.060
WW06	Au	0.945	1.100	0.060
GS45	Au	2.727	2.920	0.180
WW06	Au	1.130	1.100	0.060
WW06	Au	1.126	1.100	0.060
GS37	AuG	3.506	3.220	0.210

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

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Monday, February 6, 2017

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Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 12/06/2016
Date Completed: 12/16/2016
Job #: 201642445
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243217	295695	0.034	
243218	295696	<0.005	
243219	295697	<0.005	
243220	295698	<0.005	
243221	295699	0.008	
243222	295700	0.969	
243223	295701	0.009	
243224	295702	0.078	
243225	295703	0.031	
243226	295704	0.020	
243227	295704 Dup	0.022	
243228	295705	0.056	
243229	295706	0.108	
243230	295707	0.090	
243231	295708	0.121	
243232	295709	0.078	
243233	295710	0.050	
243234	295711	0.065	
243235	295712	0.132	
243236	295713	0.013	
243237	295714	0.033	
243238	295714 Dup	0.028	
243239	295715	0.201	
243240	295716	0.324	
243241	295717	0.169	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Authorized By:
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Date Completed: 12/16/2016
Job #: 201642445
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243242	295718	0.539	
243243	295719	0.170	
243244	295720	0.148	
243245	295721	0.027	
243246	295722	0.042	
243247	295723	0.082	
243248	295724	5.580	
243249	295724	Insufficient Sample	
243250	295725	0.036	
243251	295726	0.103	
243252	295727	0.186	
243253	295728	0.196	
243254	295729	0.187	
243255	295730	0.128	
243256	295731	0.102	
243257	295732	0.059	
243258	295733	0.076	
243259	295734	0.170	
243260	295734 Dup	0.191	
243261	295735	0.270	
243262	295736	0.035	
243263	295737	0.125	
243264	295738	0.127	
243265	295739	0.058	
243266	295740	0.265	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Date Completed: 12/16/2016
Job #: 201642445
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243267	295741	0.218	
243268	295742	0.364	
243269	295743	0.282	
243270	295744	0.417	
243271	295744 Dup	0.420	
243272	295745	0.248	
243273	295746	0.360	
243274	295747	0.178	
243275	295748	0.329	
243276	295749	0.346	
243277	295750	0.836	
243278	295751	1.000	
243279	295752	0.745	
243280	295753	0.572	
243281	295754	0.564	
243282	295754	Insufficient Sample	
243283	295755	0.204	
243284	295756	0.193	
243285	295757	0.169	
243286	295758	0.304	
243287	295759	0.243	
243288	295760	0.400	
243289	295761	0.020	
243290	295762	0.037	
243291	295763	0.032	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Date Completed: 12/16/2016
Job #: 201642445
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243292	295764	0.007	
243293	295764 Dup	0.006	
243294	295765	0.052	
243295	295766	0.045	
243296	295767	0.066	
243297	295768	0.007	
243298	295769	<0.005	
243299	295770	0.016	
243300	295771	0.106	
243301	295772	0.164	
243302	295773	>10.000	14.150
243303	295774	0.083	
243304	295774 Dup	0.041	
243305	295775	0.026	
243306	295776	0.059	
243307	295777	0.038	
243308	295778	0.071	
243309	295779	0.072	
243310	295780	0.112	
243311	295781	0.133	
243312	295782	0.126	
243313	295783	0.072	
243314	295784	0.117	
243315	295784 Dup	0.106	
243316	295785	0.017	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Job #: 201642445
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243317	295786	0.047	
243318	295787	0.086	
243319	295788	0.081	
243320	295789	0.052	
243321	295790	0.006	
243322	295791	0.005	
243323	295792	<0.005	
243324	295793	0.006	
243325	295794	<0.005	
243326	295794 Dup	<0.005	
243327	295795	0.011	
243328	295796	0.010	
243329	295797	0.029	
243330	295798	<0.005	
243331	295799	0.011	
243332	295800	<0.005	
243333	295801	0.010	
243334	295802	<0.005	
243335	295803	0.007	
243336	295804	0.009	
243337	295804 Dup	0.013	
243338	295805	0.007	
243339	295806	0.009	
243340	295807	0.006	
243341	295808	0.008	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Date Completed: 12/16/2016
Job #: 201642445
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243342	295809	0.007	
243343	295810	0.011	
243344	295811	0.013	
243345	295812	0.011	
243346	295813	0.025	
243347	295814	0.021	
243348	295814 Rep	0.021	
243349	295815	0.005	
243350	295816	0.008	
243351	295817	0.005	
243352	295818	0.010	
243353	295819	0.011	
243354	295820	0.012	
243355	295821	0.006	
243356	295822	0.008	
243357	295823	0.992	
243358	295824	0.010	
243359	295824 Dup	0.008	
243360	295825	0.015	
243361	295826	0.015	
243362	295827	0.032	
243363	295828	0.020	
243364	295829	0.025	
243365	295830	0.029	
243366	295831	0.041	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Date Completed: 12/16/2016
Job #: 201642445
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243367	295832	0.019	
243368	295833	<0.005	
243369	295834	<0.005	
243370	295834 Dup	<0.005	
243371	295835	<0.005	
243372	295836	<0.005	
243373	295837	0.014	
243374	295838	0.006	
243375	295839	0.021	
243376	295840	0.006	
243377	295841	0.006	
243378	295842	0.007	
243379	295843	0.005	
243380	295844	<0.005	
243381	295844 Dup	<0.005	
243382	295845	<0.005	
243383	295846	<0.005	
243384	295847	0.028	
243385	295848	0.006	
243386	295849	5.666	
243387	295850	0.006	
243388	295851	<0.005	
243389	295852	0.007	
243390	295853	0.006	
243391	295854	0.006	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Authorized By:
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Date Completed: 12/16/2016
Job #: 201642445
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243392	295854 Dup	0.010	
243393	295855	0.006	
243394	295856	0.008	
243395	295857	<0.005	
243396	295858	0.008	
243397	295859	0.008	
243398	295860	0.007	
243399	295861	0.006	
243400	295862	0.008	
243401	295863	0.008	
243402	295864	0.009	
243403	295864 Dup	0.009	
243404	295865	0.008	
243405	295866	0.007	
243406	295867	<0.005	
243407	295868	<0.005	
243408	295869	<0.005	
243409	295870	<0.005	
243410	295871	0.013	
243411	295872	0.006	
243412	295873	0.006	
243413	295874	0.014	
243414	295874	Insufficient Sample	
243415	295875	0.015	
243416	295876	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Certified By:
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Date Received: 12/06/2016
Date Completed: 12/16/2016
Job #: 201642445
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243417	295877	0.010	
243418	295878	<0.005	
243419	295879	0.046	
243420	295880	0.015	
243421	295881	<0.005	
243422	295882	0.015	
243423	295883	0.034	
243424	295884	0.020	
243425	295884 Dup	0.029	
243426	295885	0.029	
243427	295886	0.041	
243428	295887	0.019	
243429	295888	0.026	
243430	295889	0.014	
243431	295890	0.022	
243432	295891	0.012	
243433	295892	<0.005	
243434	295893	0.023	
243435	295894	0.026	
243436	295894 Dup	0.094	
243437	295895	0.014	
243438	295896	0.009	
243439	295897	0.038	
243440	295898	0.016	
243441	295899	0.030	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Completed: 12/16/2016
Job #: 201642445
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243442	295900	>10.000	14.255
243443	295901	0.055	
243444	295902	0.019	
243445	295903	0.010	
243446	295904	0.024	
243447	295904 Dup	0.007	
243448	295905	0.022	
243449	295906	0.020	
243450	295907	0.010	
243451	295908	<0.005	
243452	295909	<0.005	
243453	295910	<0.005	
243454	295911	<0.005	
243455	295912	0.055	
243456	295913	<0.005	
243457	295914	<0.005	
243458	295914 Dup	<0.005	
243459	295915	0.009	
243460	295916	<0.005	
243461	295917	<0.005	
243462	295918	<0.005	
243463	295919	<0.005	
243464	295920	<0.005	
243465	295921	0.005	
243466	295922	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Completed: 12/16/2016
Job #: 201642445
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243467	295923	<0.005	
243468	295924	0.006	
243469	295924 Dup	0.006	
243470	295925	<0.005	
243471	295926	0.011	
243472	295927	<0.005	
243473	295928	<0.005	
243474	295929	<0.005	
243475	295930	<0.005	
243476	295931	<0.005	
243477	295932	<0.005	
243478	295933	<0.005	
243479	295934	<0.005	
243480	295934 Rep	<0.005	
243481	295935	<0.005	
243482	295936	<0.005	
243483	295937	<0.005	
243484	295938	<0.005	
243485	295939	<0.005	
243486	295940	<0.005	
243487	295941	0.006	
243488	295942	<0.005	
243489	295943	0.011	
243490	295944	0.008	
243491	295944 Dup	0.009	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Received: 12/06/2016
Date Completed: 12/16/2016
Job #: 201642445
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243492	295945	0.008	
243493	295946	0.014	
243494	295947	0.025	
243495	295948	0.008	
243496	295949	0.018	
243497	295950	0.991	
243498	295951	0.028	
243499	295952	0.047	
243500	295953	0.033	
243501	295954	0.093	
243502	295954 Dup	0.099	
243503	295955	0.049	
243504	295956	0.029	
243505	295957	0.171	
243506	295958	0.022	
243507	295959	0.047	
243508	295960	0.068	
243509	295961	0.083	
243510	295962	0.032	
243511	295963	0.022	
243512	295964	0.009	
243513	295964 Dup	0.008	
243514	295965	0.096	
243515	295966	0.012	
243516	295967	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Jason Moore, VP Operations, Assayer

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Monday, February 6, 2017

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Email: michael.thompson@fladgateexploration.com

Date Received: 12/06/2016
Date Completed: 12/16/2016
Job #: 201642445
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243517	295968	<0.005	
243518	295969	0.006	
243519	295970	0.009	
243520	295971	<0.005	
243521	295972	0.007	
243522	295973	<0.005	
243523	295974	0.006	
243524	295974 Dup	0.005	
243525	295975	5.730	
243526	295976	0.029	
243527	295977	0.012	
243528	295978	<0.005	
243529	295979	0.028	
243530	295980	0.038	
243531	295981	0.007	
243532	295982	0.018	
243533	295983	0.018	
243534	295984	0.247	
243535	295984 Dup	0.237	
243536	295985	4.057	
243537	295986	0.047	
243538	295987	0.008	
243539	295988	0.015	
243540	295989	<0.005	
243541	295990	0.009	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Jason Moore, VP Operations, Assayer

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
243542	295991	0.008	
243543	295992	<0.005	
243544	295993	<0.005	
243545	295994	<0.005	
243546	295994 Rep	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	1.080	1.100	0.060
GS45	Au	2.727	2.920	0.180
WW06	Au	0.991	1.100	0.060
WW06	Au	0.985	1.100	0.060
WW06	Au	0.990	1.100	0.060
WW06	Au	1.095	1.100	0.060
WW06	Au	1.107	1.100	0.060
WW06	Au	1.098	1.100	0.060
WW06	Au	1.090	1.100	0.060
WW06	Au	1.095	1.100	0.060
WW06	Au	0.466	1.100	0.060
WW06	Au	1.096	1.100	0.060
WW06	Au	1.085	1.100	0.060
WW06	Au	1.146	1.100	0.060
GS37	AuG	3.665	3.220	0.210

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Date Completed: 01/16/2017
Job #: 201642473
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246382	331395	0.011	
246383	331396	<0.005	
246384	331397	0.012	
246385	331398	0.094	
246386	331399	>10.000	14.022
246387	331400	0.054	
246388	331401	0.009	
246389	331402	0.017	
246390	331403	0.015	
246391	331404	0.037	
246392	331404 Dup	0.012	
246393	331405	<0.005	
246394	331406	0.006	
246395	331407	0.010	
246396	331408	0.017	
246397	331409	0.013	
246398	331410	0.022	
246399	331411	0.022	
246400	331412	0.010	
246401	331413	0.013	
246402	331414	<0.005	
246403	331414 Dup	0.006	
246404	331415	0.006	
246405	331416	0.008	
246406	331417	0.007	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246407	331418	0.006	
246408	331419	0.050	
246409	331420	0.088	
246410	331421	<0.005	
246411	331422	0.006	
246412	331423	0.007	
246413	331424	<0.005	
246414	331424 Dup	0.006	
246415	331425	<0.005	
246416	331426	0.008	
246417	331427	0.010	
246418	331428	0.009	
246419	331429	0.011	
246420	331430	0.013	
246421	331431	0.007	
246422	331432	0.009	
246423	331433	0.008	
246424	331434	0.006	
246425	331434 Dup	0.006	
246426	331435	0.010	
246427	331436	0.006	
246428	331437	0.009	
246429	331438	0.010	
246430	331439	0.005	
246431	331440	0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Lab Manager - Thunder Bay

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Jason Moore, VP Operations, Assayer

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246432	331441	<0.005	
246433	331442	0.007	
246434	331443	0.005	
246435	331444	0.006	
246436	331444 Dup	0.006	
246437	331445	0.010	
246438	331446	0.007	
246439	331447	0.008	
246440	331448	<0.005	
246441	331449	1.063	
246442	331450	0.005	
246443	331451	<0.005	
246444	331452	<0.005	
246445	331453	<0.005	
246446	331454	<0.005	
246447	331454 Rep	<0.005	
246448	331455	<0.005	
246449	331456	<0.005	
246450	331457	<0.005	
246451	331458	0.006	
246452	331459	0.079	
246453	331460	<0.005	
246454	331461	<0.005	
246455	331462	0.005	
246456	331463	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Lab Manager - Thunder Bay

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Date Completed: 01/16/2017
Job #: 201642473
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246457	331464	0.005	
246458	331464 Dup	0.005	
246459	331465	<0.005	
246460	331466	<0.005	
246461	331467	<0.005	
246462	331468	<0.005	
246463	331469	<0.005	
246464	331470	<0.005	
246465	331471	<0.005	
246466	331472	<0.005	
246467	331473	<0.005	
246468	331474	5.871	
246469	331474	Insufficient Sample	
246470	331475	<0.005	
246471	331476	<0.005	
246472	331477	<0.005	
246473	331478	<0.005	
246474	331479	<0.005	
246475	331480	<0.005	
246476	331481	<0.005	
246477	331482	<0.005	
246478	331483	<0.005	
246479	331484	<0.005	
246480	331484 Dup	<0.005	
246481	331485	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

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Jason Moore, VP Operations, Assayer

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Date Completed: 01/16/2017
Job #: 201642473
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246482	331486	<0.005	
246483	331487	<0.005	
246484	331488	<0.005	
246485	331489	<0.005	
246486	331490	<0.005	
246487	331491	<0.005	
246488	331492	<0.005	
246489	331493	<0.005	
246490	331494	<0.005	
246491	331494 Dup	<0.005	
246492	331495	0.006	
246493	331496	0.007	
246494	331497	<0.005	
246495	331498	<0.005	
246496	331499	<0.005	
246497	331500	0.006	
246498	331501	0.007	
246499	331502	0.019	
246500	331503	0.007	
246501	331504	<0.005	
246502	331504 Dup	<0.005	
246503	331505	0.007	
246504	331506	0.009	
246505	331507	0.006	
246506	331508	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246507	331509	0.006	
246508	331510	0.006	
246509	331511	0.014	
246510	331512	0.019	
246511	331513	0.021	
246512	331514	0.019	
246513	331514 Rep	0.023	
246514	331515	0.066	
246515	331516	0.048	
246516	331517	0.028	
246517	331518	0.011	
246518	331519	<0.005	
246519	331520	<0.005	
246520	331521	<0.005	
246521	331522	<0.005	
246522	331523	<0.005	
246523	331524	0.020	
246524	331524 Dup	0.007	
246525	331525	>10.000	13.843
246526	331526	0.026	
246527	331527	0.032	
246528	331528	0.010	
246529	331529	<0.005	
246530	331530	<0.005	
246531	331531	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246532	331532	<0.005	
246533	331533	0.009	
246534	331534	0.018	
246535	331534 Dup	<0.005	
246536	331535	<0.005	
246537	331536	<0.005	
246538	331537	<0.005	
246539	331538	0.024	
246540	331539	0.015	
246541	331540	<0.005	
246542	331541	<0.005	
246543	331542	<0.005	
246544	331543	<0.005	
246545	331544	<0.005	
246546	331544 Dup	<0.005	
246547	331545	<0.005	
246548	331546	<0.005	
246549	331547	<0.005	
246550	331548	<0.005	
246551	331549	<0.005	
246552	331550	<0.005	
246553	331551	<0.005	
246554	331552	<0.005	
246555	331553	<0.005	
246556	331554	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246557	331554 Dup	<0.005	
246558	331555	<0.005	
246559	331556	<0.005	
246560	331557	<0.005	
246561	331558	<0.005	
246562	331559	<0.005	
246563	331560	<0.005	
246564	331561	<0.005	
246565	331562	<0.005	
246566	331563	<0.005	
246567	331564	<0.005	
246568	331564 Dup	<0.005	
246569	331565	<0.005	
246570	331566	<0.005	
246571	331567	0.006	
246572	331568	0.005	
246573	331569	<0.005	
246574	331570	0.006	
246575	331571	0.007	
246576	331572	<0.005	
246577	331573	0.006	
246578	331574	<0.005	
246579	331574 Rep	<0.005	
246580	331575	1.009	
246581	331576	0.007	

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Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246582	331577	<0.005	
246583	331578	<0.005	
246584	331579	<0.005	
246585	331580	<0.005	
246586	331581	<0.005	
246587	331582	<0.005	
246588	331583	<0.005	
246589	331584	<0.005	
246590	331584 Dup	<0.005	
246591	331585	<0.005	
246592	331586	<0.005	
246593	331587	<0.005	
246594	331588	<0.005	
246595	331589	<0.005	
246596	331590	<0.005	
246597	331591	<0.005	
246598	331592	<0.005	
246599	331593	<0.005	
246600	331594	<0.005	
246601	331594 Dup	<0.005	
246602	331595	<0.005	
246603	331596	<0.005	
246604	331597	<0.005	
246605	331598	<0.005	
246606	331599	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Monday, February 6, 2017

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Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 12/17/2016
Date Completed: 01/16/2017
Job #: 201642473
Reference: CWM_BAN
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246607	331600	3.544	
246608	331601	0.007	
246609	331602	<0.005	
246610	331603	<0.005	
246611	331604	0.010	
246612	331604 Dup	0.011	
246613	331605	<0.005	
246614	331606	<0.005	
246615	331607	0.010	
246616	331608	<0.005	
246617	331609	<0.005	
246618	331610	<0.005	
246619	331611	<0.005	
246620	331612	<0.005	
246621	331613	<0.005	
246622	331614	<0.005	
246623	331614 Dup	<0.005	
246624	331615	<0.005	
246625	331616	<0.005	
246626	331617	0.007	
246627	331618	<0.005	
246628	331619	<0.005	
246629	331620	<0.005	
246630	331621	<0.005	
246631	331622	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246632	331623	<0.005	
246633	331624	<0.005	
246634	331624 Dup	<0.005	
246635	331625	0.029	
246636	331626	0.019	
246637	331627	0.005	
246638	331628	<0.005	
246639	331629	<0.005	
246640	331630	<0.005	
246641	331631	<0.005	
246642	331632	<0.005	
246643	331633	<0.005	
246644	331634	0.007	
246645	331634 Rep	<0.005	
246646	331635	<0.005	
246647	331636	<0.005	
246648	331637	0.027	
246649	331638	0.006	
246650	331639	0.022	
246651	331640	0.056	
246652	331641	0.103	
246653	331642	0.269	
246654	331643	0.249	
246655	331644	0.364	
246656	331644 Dup	0.341	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246657	331645	0.219	
246658	331646	0.086	
246659	331647	0.438	
246660	331648	0.270	
246661	331649	0.223	
246662	331650	>10.000	13.959
246663	331651	0.168	
246664	331652	0.258	
246665	331653	0.022	
246666	331654	0.014	
246667	331654 Dup	0.033	
246668	331655	0.138	
246669	331656	0.319	
246670	331657	0.510	
246671	331658	0.218	
246672	331659	0.127	
246673	331660	0.097	
246674	331661	0.262	
246675	331662	0.025	
246676	331663	<0.005	
246677	331664	<0.005	
246678	331664 Dup	<0.005	
246679	331665	0.014	
246680	331666	0.076	
246681	331667	0.093	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246682	331668	0.074	
246683	331669	0.067	
246684	331670	0.134	
246685	331671	0.066	
246686	331672	0.133	
246687	331673	0.111	
246688	331674	0.659	
246689	331674 Dup	0.524	
246690	331675	<0.005	
246691	331676	0.193	
246692	331677	0.278	
246693	331678	0.585	
246694	331679	0.251	
246695	331680	0.225	
246696	331681	0.252	
246697	331682	0.589	
246698	331683	0.374	
246699	331684	0.385	
246700	331684 Dup	0.346	
246701	331685	0.170	
246702	331686	0.037	
246703	331687	0.105	
246704	331688	0.104	
246705	331689	0.006	
246706	331690	0.012	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246707	331691	<0.005	
246708	331692	0.007	
246709	331693	<0.005	
246710	331694	<0.005	
246711	331694 Rep	<0.005	

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Reference: CWM_BAN
Sample #: 300

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
GS45	Au	3.114	2.920	0.180
WW06	Au	0.933	1.100	0.060
WW06	Au	0.941	1.100	0.060
WW06	Au	1.104	1.100	0.060
WW06	Au	1.154	1.100	0.060
WW06	Au	1.242	1.100	0.060
WW06	Au	1.144	1.100	0.060
WW06	Au	1.266	1.100	0.060
WW06	Au	1.152	1.100	0.060
WW06	Au	1.112	1.100	0.060
WW06	Au	1.032	1.100	0.060
GS45	Au	2.732	2.920	0.180
WW06	Au	1.111	1.100	0.060
WW06	Au	1.085	1.100	0.060
WW06	Au	0.997	1.100	0.060
WW06	Au	1.375	1.100	0.060
GS37	AuG	3.586	3.220	0.210

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Date Received: 12/17/2016
Date Completed: 01/16/2017
Job #: 201642474
Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246712	331695	<0.005	
246713	331696	<0.005	
246714	331697	<0.005	
246715	331698	<0.005	
246716	331699	0.005	
246717	331700	1.027	
246718	331701	<0.005	
246719	331702	<0.005	
246720	331703	<0.005	
246721	331704	<0.005	
246722	331704 Dup	<0.005	
246723	331705	<0.005	
246724	331706	0.006	
246725	331707	0.006	
246726	331708	0.006	
246727	331709	<0.005	
246728	331710	0.007	
246729	331711	0.006	
246730	331712	<0.005	
246731	331713	<0.005	
246732	331714	<0.005	
246733	331714 Dup	<0.005	
246734	331715	0.007	
246735	331716	0.011	
246736	331717	0.009	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Lab Manager - Thunder Bay

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Job #: 201642474
Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246737	331718	0.009	
246738	331719	<0.005	
246739	331720	<0.005	
246740	331721	<0.005	
246741	331722	0.008	
246742	331723	0.011	
246743	331724	<0.005	
246744	331724 Dup	<0.005	
246745	331725	5.869	
246746	331726	0.012	
246747	331727	<0.005	
246748	331728	<0.005	
246749	331729	<0.005	
246750	331730	0.185	
246751	331731	0.296	
246752	331732	0.280	
246753	331733	0.142	
246754	331734	0.024	
246755	331734 Dup	0.029	
246756	331735	0.034	
246757	331736	0.012	
246758	331737	0.006	
246759	331738	0.021	
246760	331739	0.360	
246761	331740	0.071	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
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Lab Manager - Thunder Bay

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Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246762	331741	0.271	
246763	331742	0.068	
246764	331743	0.919	
246765	331744	0.283	
246766	331744 Dup	0.355	
246767	331745	0.536	
246768	331746	0.036	
246769	331747	0.041	
246770	331748	0.269	
246771	331749	0.285	
246772	331750	0.313	
246773	331751	0.938	
246774	331752	1.041	
246775	331753	0.455	
246776	331754	0.235	
246777	331754 Rep	0.254	
246778	331755	0.307	
246779	331756	0.287	
246780	331757	0.230	
246781	331758	0.312	
246782	331759	0.186	
246783	331760	0.230	
246784	331761	0.079	
246785	331762	0.016	
246786	331763	0.015	

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Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246787	331764	0.041	
246788	331764 Dup	0.039	
246789	331765	0.036	
246790	331766	0.020	
246791	331767	0.033	
246792	331768	0.047	
246793	331769	0.198	
246794	331770	0.061	
246795	331771	0.128	
246796	331772	0.026	
246797	331773	0.014	
246798	331774	0.024	
246799	331774 Dup	0.025	
246800	331775	>10.000	14.103
246801	331776	0.203	
246802	331777	0.146	
246803	331778	0.017	
246804	331779	0.009	
246805	331780	0.013	
246806	331781	0.008	
246807	331782	0.011	
246808	331783	<0.005	
246809	331784	0.007	
246810	331784 Dup	0.014	
246811	331785	0.015	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246812	331786	0.011	
246813	331787	0.041	
246814	331788	<0.005	
246815	331789	0.009	
246816	331790	<0.005	
246817	331791	0.005	
246818	331792	0.006	
246819	331793	<0.005	
246820	331794	0.010	
246821	331794 Dup	0.010	
246822	331795	0.009	
246823	331796	0.011	
246824	331797	0.006	
246825	331798	<0.005	
246826	331799	0.008	
246827	331800	<0.005	
246828	331801	0.006	
246829	331802	<0.005	
246830	331803	<0.005	
246831	331804	<0.005	
246832	331804 Dup	<0.005	
246833	331805	0.461	
246834	331806	0.006	
246835	331807	0.034	
246836	331808	<0.005	

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Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246837	331809	<0.005	
246838	331810	<0.005	
246839	331811	<0.005	
246840	331812	0.009	
246841	331813	0.162	
246842	331814	0.039	
246843	331814 Rep	0.049	
246844	331815	0.154	
246845	331816	0.006	
246846	331817	0.090	
246847	331818	0.599	
246848	331819	0.159	
246849	331820	0.076	
246850	331821	0.012	
246851	331822	0.025	
246852	331823	0.045	
246853	331824	0.019	
246854	331824 Dup	0.009	
246855	331825	1.055	
246856	331826	0.022	
246857	331827	0.006	
246858	331828	0.023	
246859	331829	0.011	
246860	331830	0.019	
246861	331831	0.009	

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Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246862	331832	0.141	
246863	331833	0.017	
246864	331834	0.006	
246865	331834 Dup	0.009	
246866	331835	0.014	
246867	331836	0.006	
246868	331837	0.007	
246869	331838	0.023	
246870	331839	0.021	
246871	331840	0.039	
246872	331841	0.005	
246873	331842	0.008	
246874	331843	0.009	
246875	331844	0.022	
246876	331844 Dup	0.023	
246877	331845	0.006	
246878	331846	0.024	
246879	331847	0.010	
246880	331848	0.020	
246881	331849	0.022	
246882	331850	5.815	
246883	331851	0.025	
246884	331852	0.009	
246885	331853	0.014	
246886	331854	0.011	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Andrew Oleski
Lab Manager - Thunder Bay

Certified By:
Jason Moore, VP Operations, Assayer

Authorized By:
Derek Demianiuk, VP Quality

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Monday, February 6, 2017

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Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 12/17/2016
Date Completed: 01/16/2017
Job #: 201642474
Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246887	331854 Dup	0.024	
246888	331855	0.008	
246889	331856	<0.005	
246890	331857	<0.005	
246891	331858	<0.005	
246892	331859	<0.005	
246893	331860	<0.005	
246894	331861	0.008	
246895	331862	0.007	
246896	331863	0.008	
246897	331864	<0.005	
246898	331864 Dup	<0.005	
246899	331865	<0.005	
246900	331866	<0.005	
246901	331867	0.005	
246902	331868	0.010	
246903	331869	0.187	
246904	331870	0.013	
246905	331871	<0.005	
246906	331872	0.011	
246907	331873	0.082	
246908	331874	0.040	
246909	331874 Rep	0.057	
246910	331875	0.037	
246911	331876	0.062	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246912	331877	0.040	
246913	331878	0.030	
246914	331879	0.042	
246915	331880	<0.005	
246916	331881	<0.005	
246917	331882	0.010	
246918	331883	0.028	
246919	331884	0.024	
246920	331884 Dup	0.028	
246921	331885	0.010	
246922	331886	<0.005	
246923	331887	0.009	
246924	331888	0.033	
246925	331889	0.019	
246926	331890	0.087	
246927	331891	0.019	
246928	331892	0.026	
246929	331893	0.028	
246930	331894	0.034	
246931	331894 Dup	0.033	
246932	331895	0.040	
246933	331896	0.016	
246934	331897	0.014	
246935	331898	0.015	
246936	331899	0.012	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246937	331900	>10.000	13.523
246938	331901	0.014	
246939	331902	0.006	
246940	331903	0.015	
246941	331904	<0.005	
246942	331904 Dup	<0.005	
246943	331905	<0.005	
246944	331906	<0.005	
246945	331907	<0.005	
246946	331908	0.025	
246947	331909	0.233	
246948	331910	<0.005	
246949	331911	<0.005	
246950	331912	0.008	
246951	331913	<0.005	
246952	331914	<0.005	
246953	331914 Dup	<0.005	
246954	331915	<0.005	
246955	331916	<0.005	
246956	331917	<0.005	
246957	331918	<0.005	
246958	331919	<0.005	
246959	331920	<0.005	
246960	331921	0.010	
246961	331922	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246962	331923	<0.005	
246963	331924	<0.005	
246964	331924 Dup	<0.005	
246965	331925	0.011	
246966	331926	<0.005	
246967	331927	<0.005	
246968	331928	0.026	
246969	331929	0.068	
246970	331930	0.013	
246971	331931	0.012	
246972	331932	0.006	
246973	331933	<0.005	
246974	331934	0.021	
246975	331934 Rep	0.056	
246976	331935	<0.005	
246977	331936	<0.005	
246978	331937	<0.005	
246979	331938	0.263	
246980	331939	0.011	
246981	331940	0.075	
246982	331941	0.046	
246983	331942	0.758	
246984	331943	0.635	
246985	331944	0.319	
246986	331944 Dup	0.261	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
246987	331945	0.234	
246988	331946	0.289	
246989	331947	0.291	
246990	331948	0.140	
246991	331949	0.344	
246992	331950	0.563	
246993	331951	0.113	
246994	331952	0.052	
246995	331953	0.013	
246996	331954	<0.005	
246997	331954 Dup	<0.005	
246998	331955	0.006	
246999	331956	0.006	
247000	331957	0.011	
247001	331958	0.009	
247002	331959	<0.005	
247003	331960	<0.005	
247004	331961	<0.005	
247005	331962	<0.005	
247006	331963	<0.005	
247007	331964	0.009	
247008	331964 Dup	0.009	
247009	331965	<0.005	
247010	331966	0.035	
247011	331967	0.353	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247012	331968	0.164	
247013	331969	0.087	
247014	331970	0.130	
247015	331971	0.116	
247016	331972	0.061	
247017	331973	0.011	
247018	331974	<0.005	
247019	331974 Dup	<0.005	
247020	331975	3.316	
247021	331976	0.061	
247022	331977	<0.005	
247023	331978	0.089	
247024	331979	<0.005	
247025	331980	0.007	
247026	331981	<0.005	
247027	331982	<0.005	
247028	331983	<0.005	
247029	331984	<0.005	
247030	331984 Dup	<0.005	
247031	331985	<0.005	
247032	331986	<0.005	
247033	331987	<0.005	
247034	331988	<0.005	
247035	331989	<0.005	
247036	331990	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Job #: 201642474
Reference: CWM_BAN
Sample #: 306

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
247037	331991	<0.005	
247038	331992	<0.005	
247039	331993	<0.005	
247040	331994	<0.005	
247041	331994 Rep	<0.005	
247042	331995	<0.005	
247043	331996	<0.005	
247044	331997	<0.005	
247045	331998	0.010	
247046	331999	<0.005	
247047	332000	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Completed: 01/16/2017
Job #: 201642474
Reference: CWM_BAN
Sample #: 306

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	0.478	1.100	0.060
WW06	Au	1.146	1.100	0.060
WW06	Au	1.013	1.100	0.060
WW06	Au	1.076	1.100	0.060
WW06	Au	1.110	1.100	0.060
WW06	Au	1.072	1.100	0.060
WW06	Au	1.117	1.100	0.060
WW06	Au	1.006	1.100	0.060
WW06	Au	1.006	1.100	0.060
GS45	Au	2.673	2.920	0.180
WW06	Au	0.991	1.100	0.060
WW06	Au	0.985	1.100	0.060
WW06	Au	1.066	1.100	0.060
WW06	Au	1.041	1.100	0.060
WW06	Au	1.106	1.100	0.060
WW06	Au	1.024	1.100	0.060

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Received: 01/19/2017
Date Completed: 02/14/2017
Job #: 201740011
Reference:
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
384	332801	0.040	
385	332802	0.053	
386	332803	0.086	
387	332804	0.010	
388	332805	0.041	
389	332806	0.022	
390	332807	0.436	
391	332808	0.120	
392	332809	<0.005	
393	332810	<0.005	
394	332810 Dup	<0.005	
395	332811	0.006	
396	332812	0.025	
397	332813	0.299	
398	332814	0.132	
399	332815	0.320	
400	332816	0.180	
401	332817	0.303	
402	332818	0.165	
403	332819	0.428	
404	332820	0.128	
405	332820 Dup	0.144	
406	332821	0.298	
407	332822	0.082	
408	332823	0.059	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Completed: 02/14/2017
Job #: 201740011
Reference:
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
409	332824	1.001	
410	332825	0.036	
411	332826	0.008	
412	332827	0.007	
413	332828	0.027	
414	332829	0.017	
415	332830	0.005	
416	332830 Dup	0.005	
417	332831	0.013	
418	332832	0.024	
419	332833	0.016	
420	332834	0.008	
421	332835	0.017	
422	332836	0.011	
423	332837	0.007	
424	332838	0.006	
425	332839	0.006	
426	332840	0.135	
427	332840 Dup	0.142	
428	332841	0.254	
429	332842	0.007	
430	332843	0.006	
431	332844	<0.005	
432	332845	<0.005	
433	332846	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Completed: 02/14/2017
Job #: 201740011
Reference:
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
434	332847	<0.005	
435	332848	0.008	
436	332849	5.902	
437	332850	0.011	
438	332850 Dup	0.011	
439	332851	0.010	
440	332852	<0.005	
441	332853	0.012	
442	332854	0.008	
443	332855	0.012	
444	332856	<0.005	
445	332857	0.010	
446	332858	<0.005	
447	332859	0.166	
448	332860	0.009	
449	332860 Rep	0.008	
450	332861	<0.005	
451	332862	0.005	
452	332863	<0.005	
453	332864	1.135	
454	332865	0.032	
455	332866	0.069	
456	332867	0.873	
457	332868	0.308	
458	332869	0.182	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Job #: 201740011
Reference:
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
459	332870	0.379	
460	332870 Dup	0.418	
461	332871	0.103	
462	332872	0.032	
463	332873	0.071	
464	332874	0.048	
465	332875	0.047	
466	332876	0.538	
467	332877	0.050	
468	332878	0.713	
469	332879	0.557	
470	332880	0.384	
471	332880 Dup	0.342	
472	332881	<0.005	
473	332882	<0.005	
474	332883	0.006	
475	332884	<0.005	
476	332885	<0.005	
477	332886	<0.005	
478	332887	<0.005	
479	332888	<0.005	
480	332889	<0.005	
481	332890	0.008	
482	332890 Dup	0.007	
483	332891	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Reference:
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
484	332892	<0.005	
485	332893	<0.005	
486	332894	0.007	
487	332895	0.006	
488	332896	0.008	
489	332897	0.033	
490	332898	0.009	
491	332899	<0.005	
492	332900	>10.000	14.029
493	332900	Insufficient Sample	
494	332901	0.012	
495	332902	0.007	
496	332903	0.102	
497	332904	0.006	
498	332905	0.009	
499	332906	0.369	
500	332907	0.293	
501	332908	0.169	
502	332909	0.109	
503	332910	0.133	
504	332910 Dup	0.137	
505	332911	0.076	
506	332912	0.011	
507	332913	0.249	
508	332914	0.058	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:
Derek Demianiuk, VP Quality

Certified By:
Derek Demianiuk, VP Quality

Authorized By:
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Tuesday, February 14, 2017

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Ph#: (807) 345-5380
Email: michael.thompson@fladgateexploration.com

Date Received: 01/19/2017
Date Completed: 02/14/2017
Job #: 201740011
Reference:
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
509	332915	0.031	
510	332916	0.039	
511	332917	0.934	
512	332918	0.948	
513	332919	1.038	
514	332920	0.109	
515	332920 Rep	0.115	
516	332921	0.194	
517	332922	0.339	
518	332923	0.223	
519	332924	0.014	
520	332925	0.403	
521	332926	0.006	
522	332927	0.174	
523	332928	0.352	
524	332929	0.078	
525	332930	1.148	
526	332930 Dup	1.003	
527	332931	1.175	
528	332932	0.070	
529	332933	0.549	
530	332934	0.181	
531	332935	0.329	
532	332936	0.180	
533	332937	0.365	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Completed: 02/14/2017
Job #: 201740011
Reference:
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
534	332938	0.569	
535	332939	0.092	
536	332940	0.150	
537	332940 Dup	0.162	
538	332941	0.210	
539	332942	0.211	
540	332943	0.229	
541	332944	0.205	
542	332945	0.020	
543	332946	0.023	
544	332947	0.018	
545	332948	0.018	
546	332949	<0.005	
547	332950	0.989	
548	332950	Insufficient Sample	
549	332951	0.006	
550	332952	0.012	
551	332953	<0.005	
552	332954	<0.005	
553	332955	<0.005	
554	332956	0.045	
555	332957	0.111	
556	332958	<0.005	
557	332959	0.008	
558	332960	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Completed: 02/14/2017
Job #: 201740011
Reference:
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
559	332960 Dup	<0.005	
560	332961	0.043	
561	332962	<0.005	
562	332963	<0.005	
563	332964	<0.005	
564	332965	0.119	
565	332966	0.230	
566	332967	0.047	
567	332968	0.523	
568	332969	2.992	
569	332970	0.147	
570	332970 Dup	0.078	
571	332971	1.438	
572	332972	0.065	
573	332973	0.019	
574	332974	0.013	
575	332975	5.156	
576	332976	0.160	
577	332977	0.826	
578	332978	0.516	
579	332979	0.333	
580	332980	0.479	
581	332980 Rep	0.536	
582	332981	0.875	
583	332982	1.188	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Received: 01/19/2017
Date Completed: 02/14/2017
Job #: 201740011
Reference:
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
584	332983	0.285	
585	332984	0.081	
586	332985	0.341	
587	332986	0.322	
588	332987	0.129	
589	332988	0.219	
590	332989	0.168	
591	332990	0.225	
592	332990 Dup	0.187	
593	332991	0.238	
594	332992	0.104	
595	332993	0.062	
596	332994	0.171	
597	332995	0.171	
598	332996	0.249	
599	332997	0.068	
600	332998	0.027	
601	332999	0.114	
602	333000	0.041	
603	333000 Dup	0.068	
604	346001	<0.005	
605	346002	0.301	
606	346003	0.509	
607	346004	0.428	
608	346005	0.518	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Completed: 02/14/2017
Job #: 201740011
Reference:
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
609	346006	0.086	
610	346007	0.023	
611	346008	0.012	
612	346009	0.020	
613	346010	1.650	
614	346010 Dup	1.525	
615	346011	0.081	
616	346012	>10.000	24.814
617	346013	>10.000	24.437
618	346014	0.617	
619	346015	0.077	
620	346016	0.016	
621	346017	0.018	
622	346018	0.030	
623	346019	0.023	
624	346020	0.084	
625	346020 Dup	0.093	
626	346021	0.139	
627	346022	0.021	
628	346023	0.176	
629	346024	0.231	
630	346025	>10.000	14.008
631	346026	0.084	
632	346027	0.043	
633	346028	0.042	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Date Completed: 02/14/2017
Job #: 201740011
Reference:
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
634	346029	0.064	
635	346030	0.088	
636	346030 Dup	0.054	
637	346031	0.007	
638	346032	0.032	
639	346033	<0.005	
640	346034	<0.005	
641	346035	<0.005	
642	346036	<0.005	
643	346037	0.024	
644	346038	0.009	
645	346039	<0.005	
646	346040	<0.005	
647	346040 Rep	<0.005	
648	346041	0.014	
649	346042	<0.005	
650	346043	0.010	
651	346044	0.059	
652	346045	0.017	
653	346046	<0.005	
654	346047	0.005	
655	346048	<0.005	
656	346049	0.005	
657	346050	<0.005	
658	346050 Dup	<0.005	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

Validated By:

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Job #: 201740011
Reference:
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
659	346051	0.010	
660	346052	0.012	
661	346053	<0.005	
662	346054	<0.005	
663	346055	<0.005	
664	346056	<0.005	
665	346057	<0.005	
666	346058	<0.005	
667	346059	0.011	
668	346060	0.021	
669	346060 Dup	0.023	
670	346061	3.518	
671	346062	0.482	
672	346063	0.784	
673	346064	0.674	
674	346065	1.215	
675	346066	0.578	
676	346067	0.210	
677	346068	0.005	
678	346069	0.010	
679	346070	0.019	
680	346070 Dup	0.017	
681	346071	0.015	
682	346072	0.065	
683	346073	>10.000	11.627

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Job #: 201740011
Reference:
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
684	346074	0.055	
685	346075	1.072	
686	346076	0.116	
687	346077	0.485	
688	346078	2.680	
689	346079	0.307	
690	346080	0.267	
691	346080 Dup	0.298	
692	346081	0.100	
693	346082	0.029	
694	346083	0.686	
695	346084	0.191	
696	346085	0.012	
697	346086	0.069	
698	346087	0.138	
699	346088	0.175	
700	346089	0.140	
701	346090	0.057	
702	346090 Dup	0.045	
703	346091	0.085	
704	346092	0.115	
705	346093	0.026	
706	346094	0.012	
707	346095	0.072	
708	346096	0.025	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Job #: 201740011
Reference:
Sample #: 300

Acc #	Client ID	Au g/t (ppm)	Au Grav ppm
709	346097	0.033	
710	346098	0.183	
711	346099	1.934	
712	346100	5.935	
713	346100	Insufficient Sample	

APPLIED SCOPES: ALP1, ALFA2, ALFA7

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Job #: 201740011
Reference:
Sample #: 300

Control Standards

QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)
WW06	Au	1.188	1.100	0.060
WW06	Au	1.212	1.100	0.060
WW06	Au	1.208	1.100	0.060
WW06	Au	1.207	1.100	0.060
WW06	Au	1.170	1.100	0.060
WW06	Au	1.191	1.100	0.060
WW06	Au	1.190	1.100	0.060
WW06	Au	1.169	1.100	0.060
GS45	Au	2.207	2.920	0.180
WW06	Au	0.962	1.100	0.060
WW06	Au	1.164	1.100	0.060
WW06	Au	1.157	1.100	0.060
WW06	Au	1.111	1.100	0.060
WW06	Au	1.196	1.100	0.060
WW06	Au	1.090	1.100	0.060
WW06	Au	1.050	1.100	0.060
GS48	AuG	8.212	7.680	0.390

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Ammended Sections and Plan Map

Updated January 14th, 2019 by Orix Geoscience Inc.

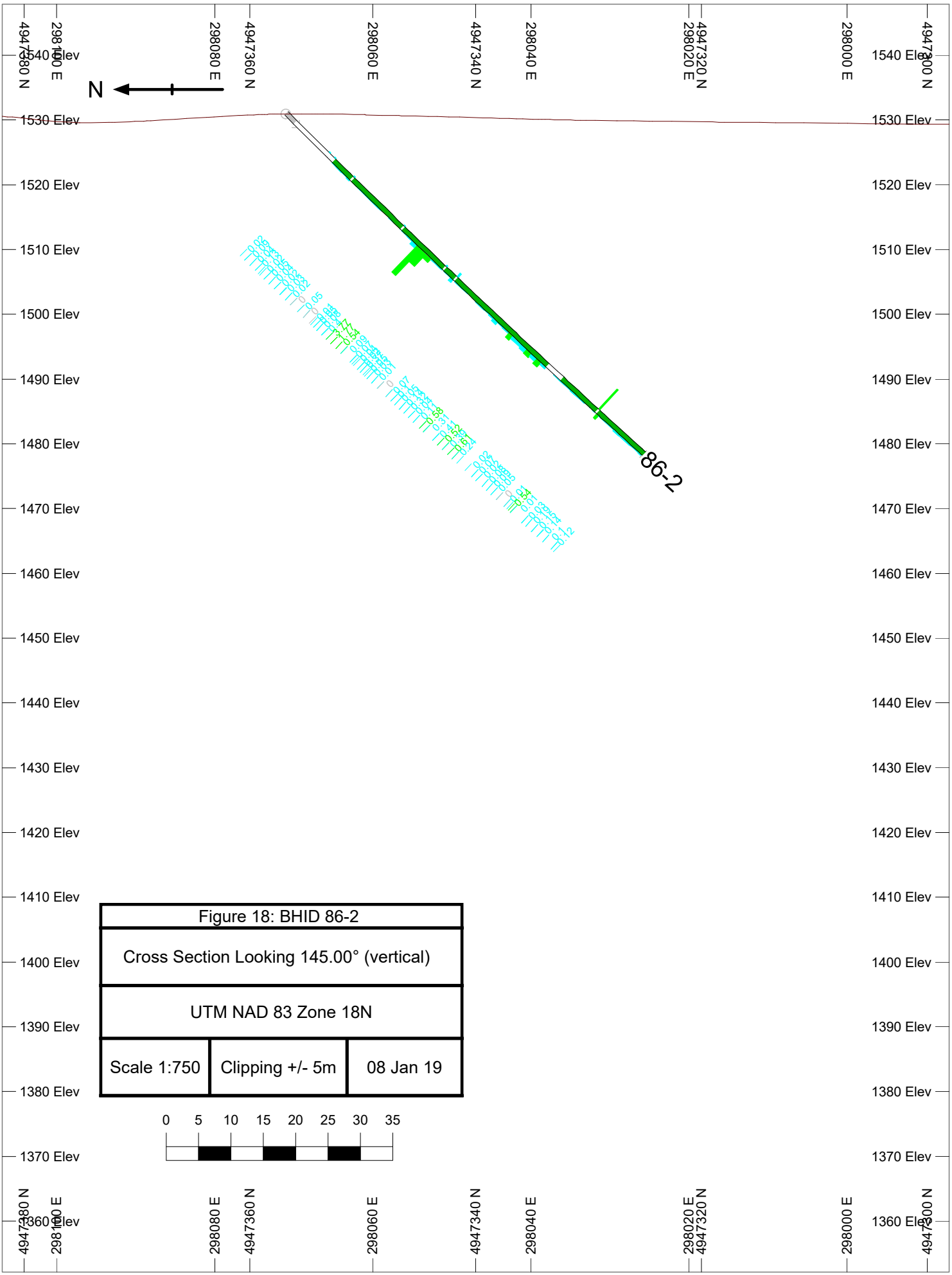
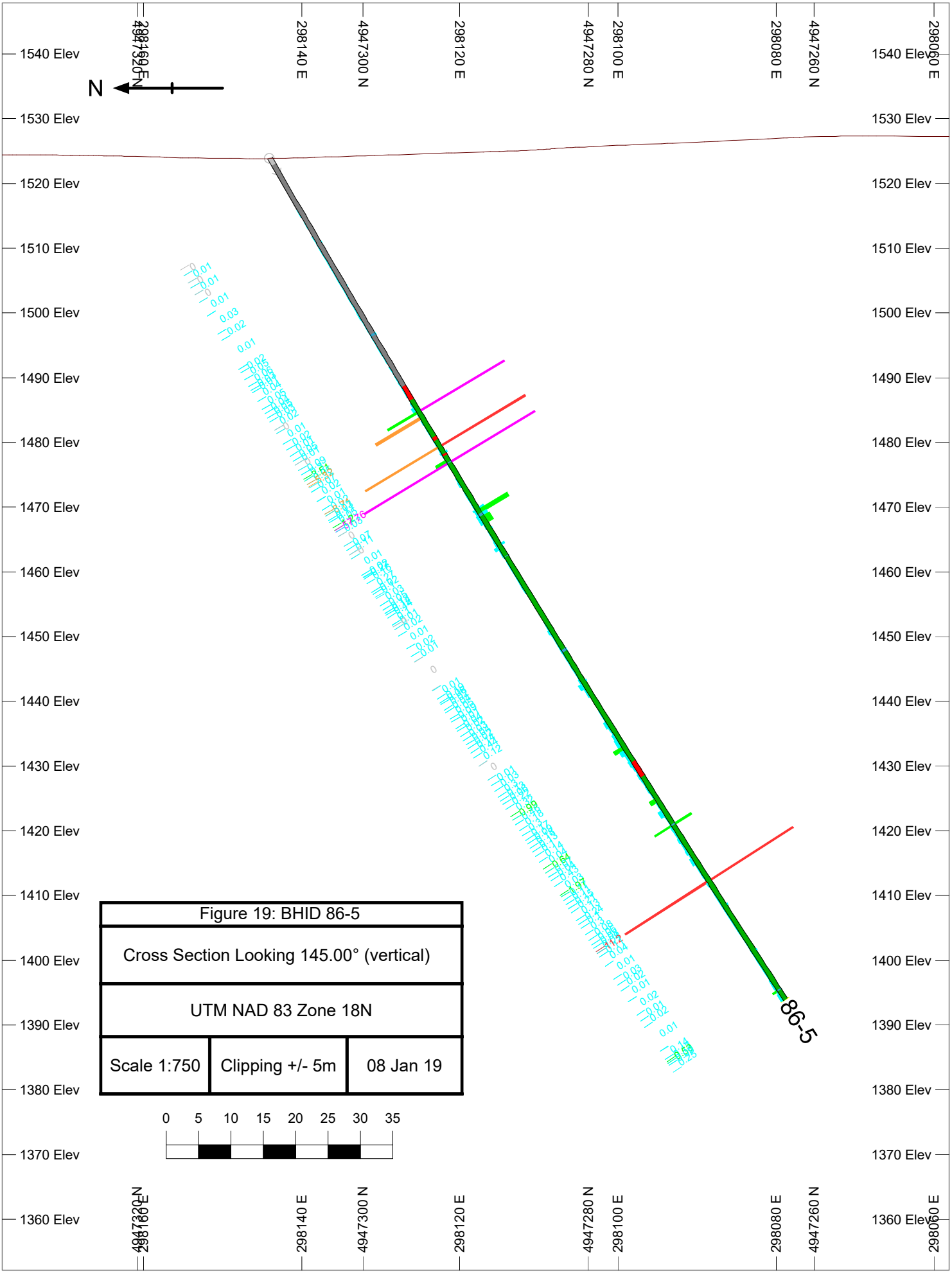


Figure 18: BHID 86-2		
Cross Section Looking 145.00° (vertical)		
UTM NAD 83 Zone 18N		
Scale 1:750	Clipping +/- 5m	08 Jan 19


N
1540 Elev
1530 Elev
1520 Elev
1510 Elev
1500 Elev
1490 Elev
1480 Elev
1470 Elev
1460 Elev
1450 Elev
1440 Elev
1430 Elev
1420 Elev
1410 Elev
1400 Elev
1390 Elev
1380 Elev
1370 Elev
1360 Elev
298160 E
4947320 N
298140 E
4947300 N
298120 E
4947280 N
298100 E
298080 E
4947260 N
298060 E
86-5
Figure 19: BHID 86-5
Cross Section Looking 145.00° (vertical)
UTM NAD 83 Zone 18N
Scale 1:750
Clipping +/- 5m
08 Jan 19
0 5 10 15 20 25 30 35

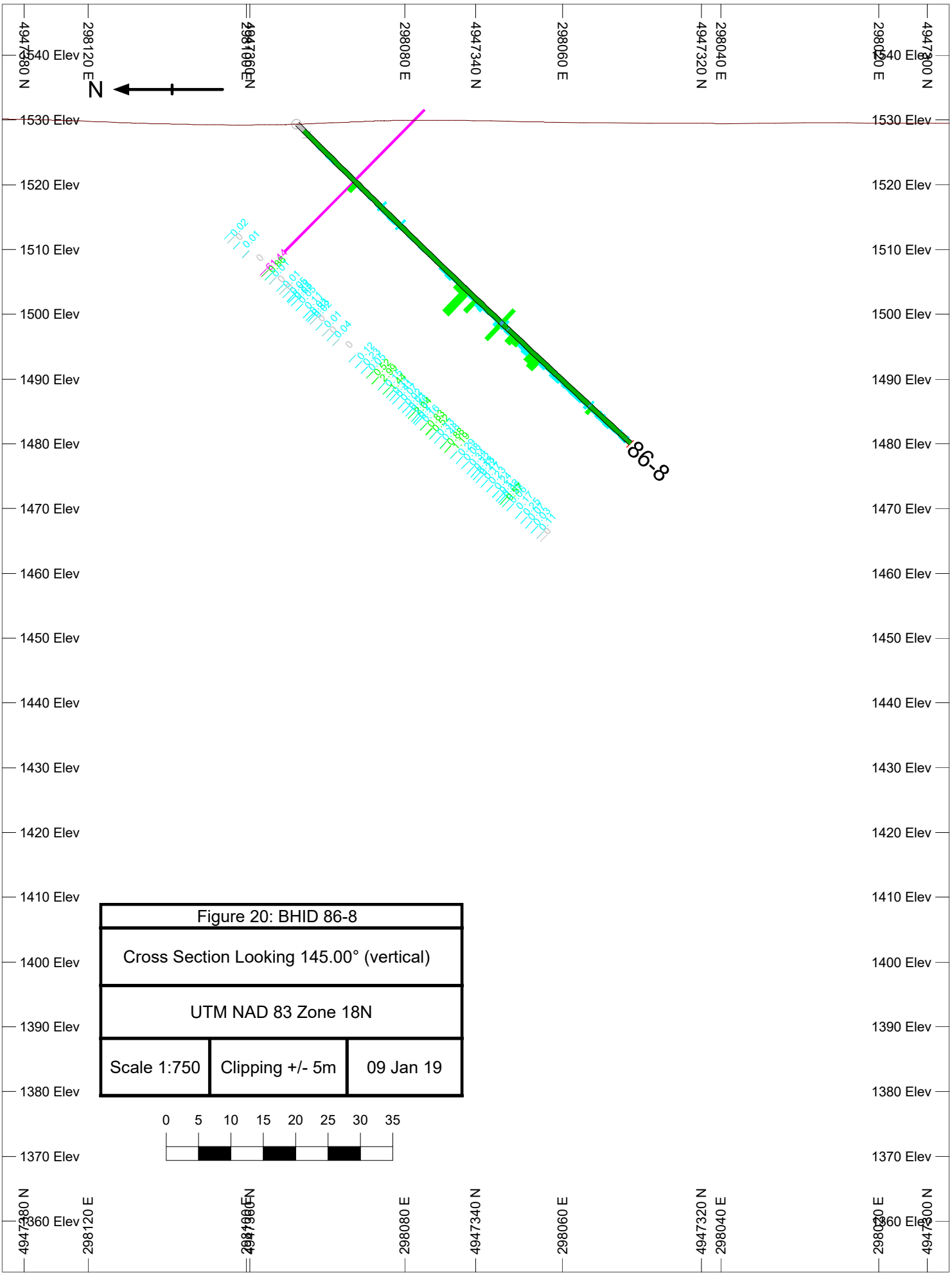
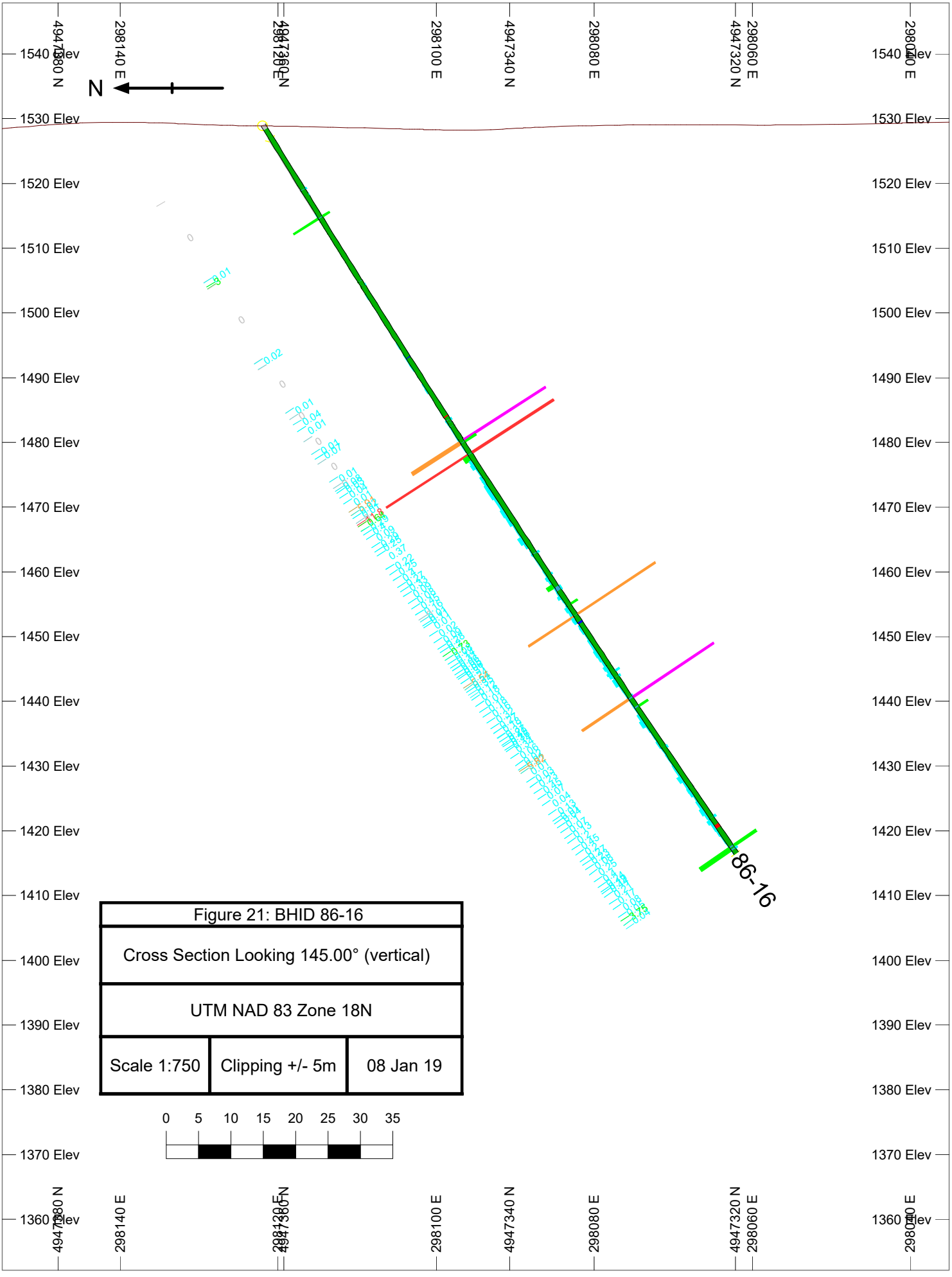


Figure 20: BHID 86-8

Cross Section Looking 145.00° (vertical)		
UTM NAD 83 Zone 18N		
Scale 1:750	Clipping +/- 5m	09 Jan 19


4947380 N
298140 E
4947360 N
298120 E
298100 E
4947340 N
298080 E
4947320 N
298060 E
298040 E
N
1540 Elev
1530 Elev
1520 Elev
1510 Elev
1500 Elev
1490 Elev
1480 Elev
1470 Elev
1460 Elev
1450 Elev
1440 Elev
1430 Elev
1420 Elev
1410 Elev
1400 Elev
1390 Elev
1380 Elev
1370 Elev
1360 Elev
86-16
Figure 21: BHID 86-16
Cross Section Looking 145.00° (vertical)
UTM NAD 83 Zone 18N
Scale 1:750
Clipping +/- 5m
08 Jan 19
0 5 10 15 20 25 30 35

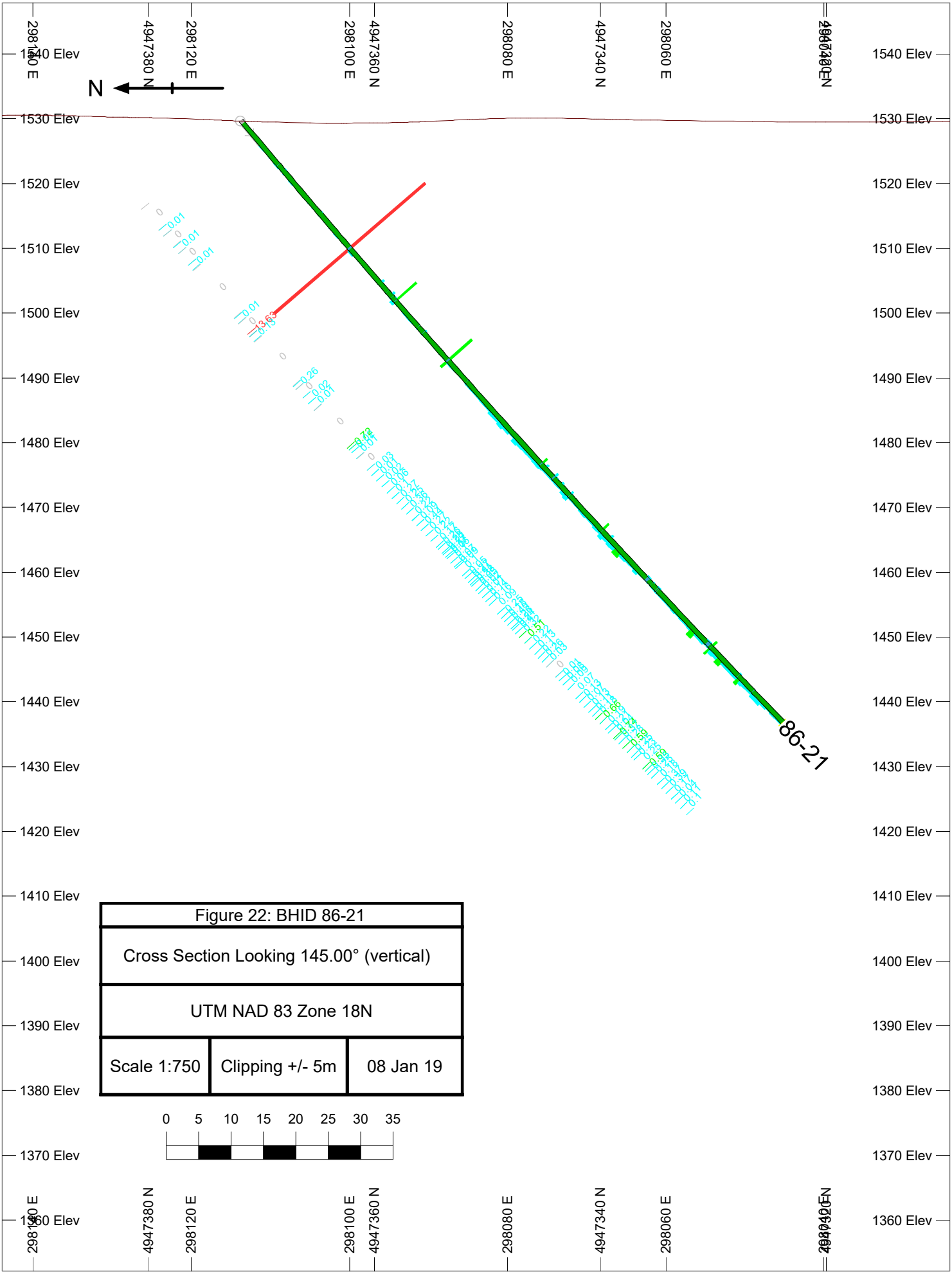
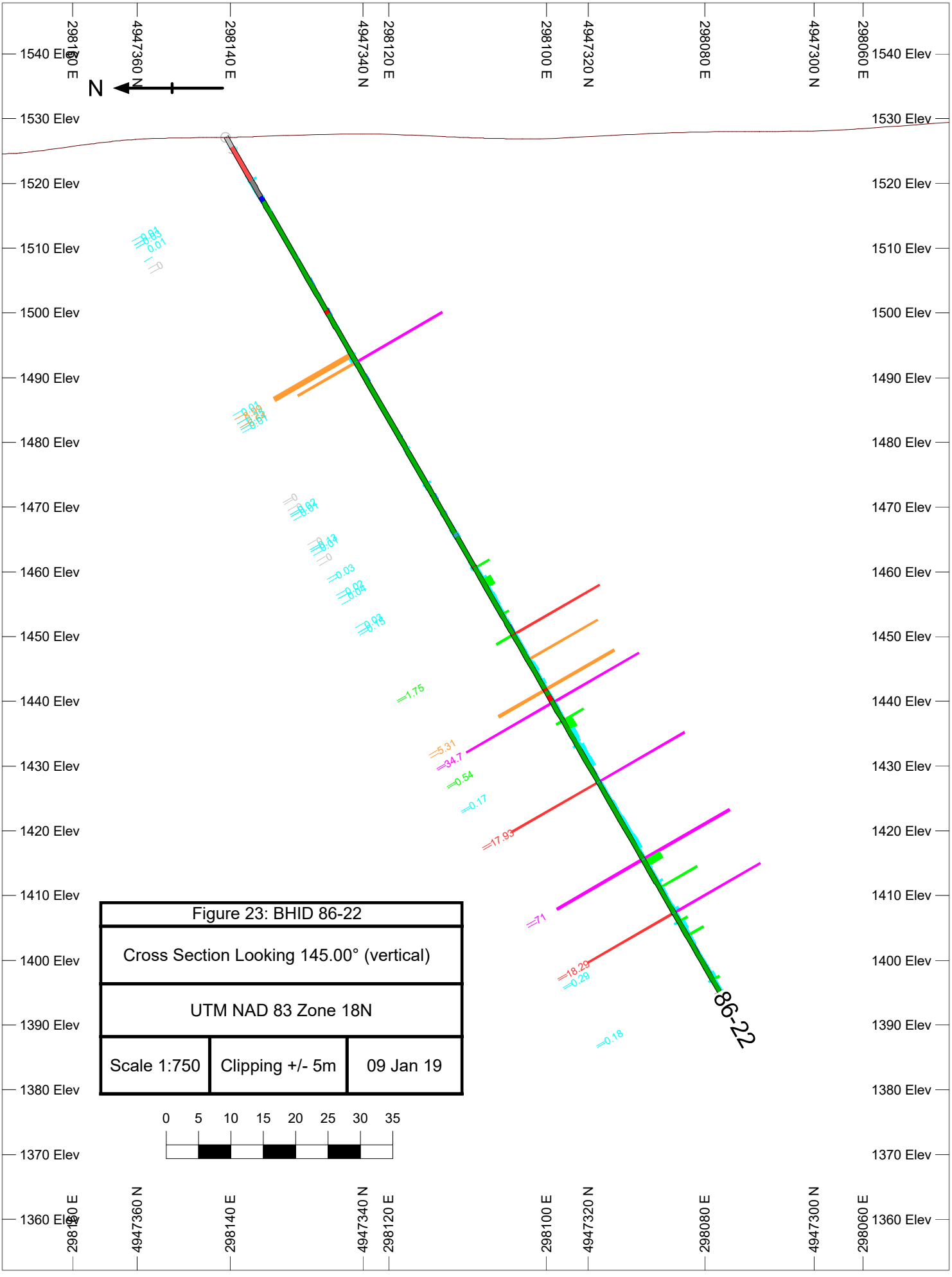


Figure 22: BHID 86-21

Cross Section Looking 145.00° (vertical)		
UTM NAD 83 Zone 18N		
Scale 1:750	Clipping +/- 5m	08 Jan 19


298160 E
4947360 N
298140 E
4947340 N
298120 E
298100 E
4947320 N
298080 E
4947300 N
298060 E
N
1540 Elev
1530 Elev
1520 Elev
1510 Elev
1500 Elev
1490 Elev
1480 Elev
1470 Elev
1460 Elev
1450 Elev
1440 Elev
1430 Elev
1420 Elev
1410 Elev
1400 Elev
1390 Elev
1380 Elev
1370 Elev
1360 Elev
0.01
0.03
0.02
0.04
0.03
1.75
5.31
34.7
0.54
0.17
17.93
71
18.29
0.29
0.18
86-22
Figure 23: BHID 86-22
Cross Section Looking 145.00° (vertical)
UTM NAD 83 Zone 18N
Scale 1:750
Clipping +/- 5m
09 Jan 19
0 5 10 15 20 25 30 35

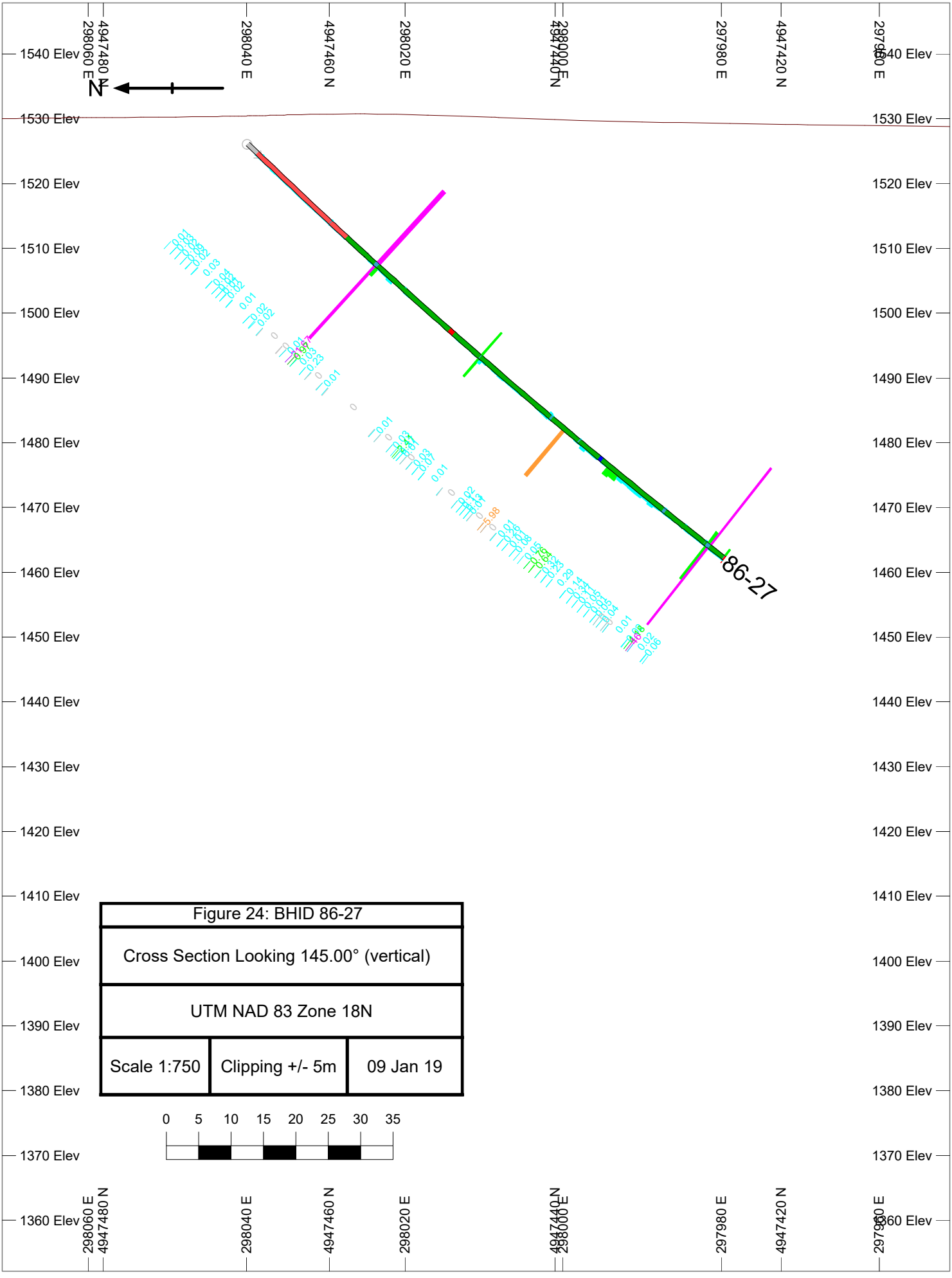
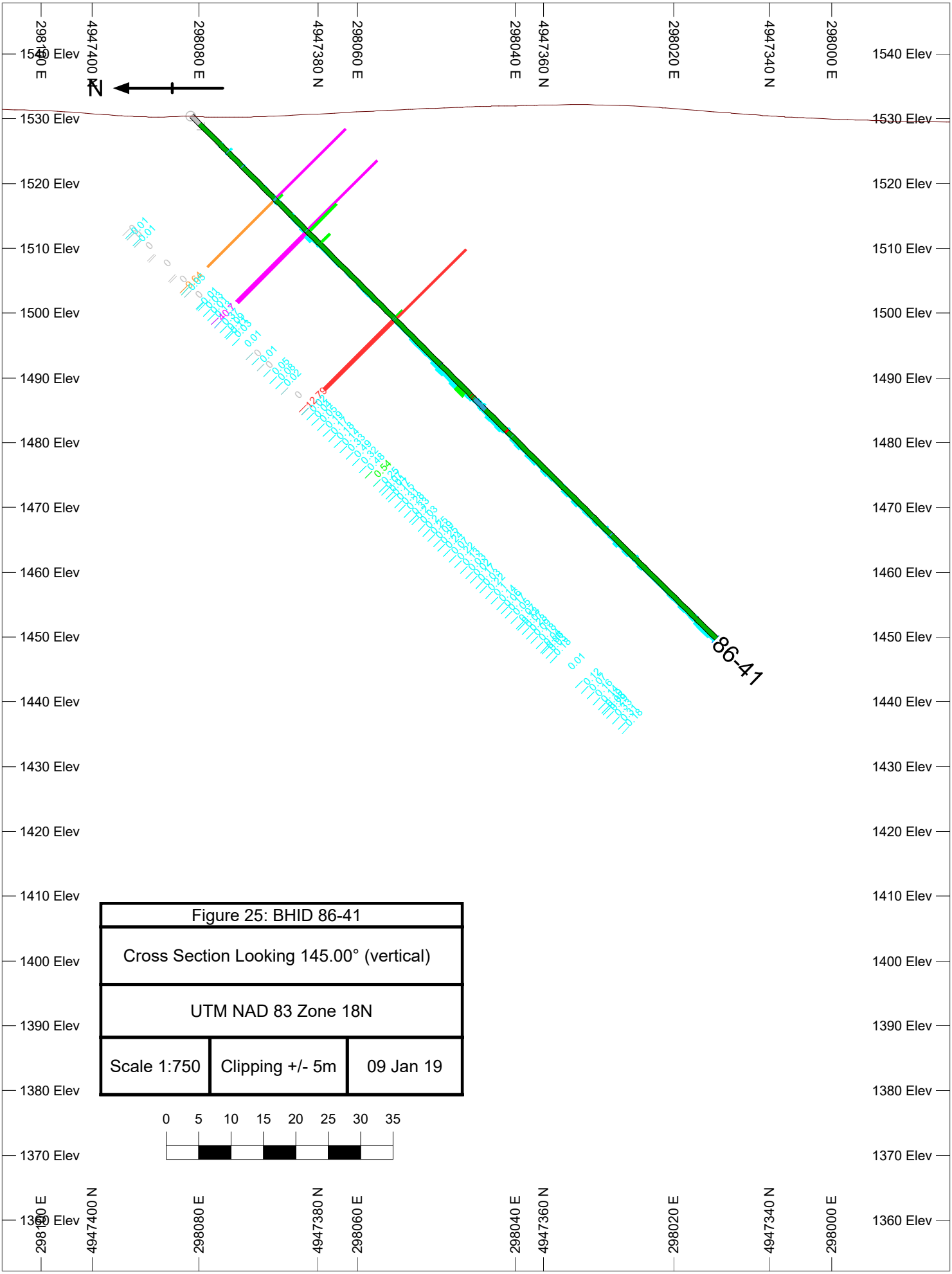


Figure 24: BHID 86-27		
Cross Section Looking 145.00° (vertical)		
UTM NAD 83 Zone 18N		
Scale 1:750	Clipping +/- 5m	09 Jan 19


298100 E
4947400 N
298080 E
4947380 N
298060 E
298040 E
4947360 N
298020 E
4947340 N
298000 E
1540 Elev
1530 Elev
1520 Elev
1510 Elev
1500 Elev
1490 Elev
1480 Elev
1470 Elev
1460 Elev
1450 Elev
1440 Elev
1430 Elev
1420 Elev
1410 Elev
1400 Elev
1390 Elev
1380 Elev
1370 Elev
1360 Elev
N
86-41
Figure 25: BHID 86-41
Cross Section Looking 145.00° (vertical)
UTM NAD 83 Zone 18N
Scale 1:750
Clipping +/- 5m
09 Jan 19
0 5 10 15 20 25 30 35

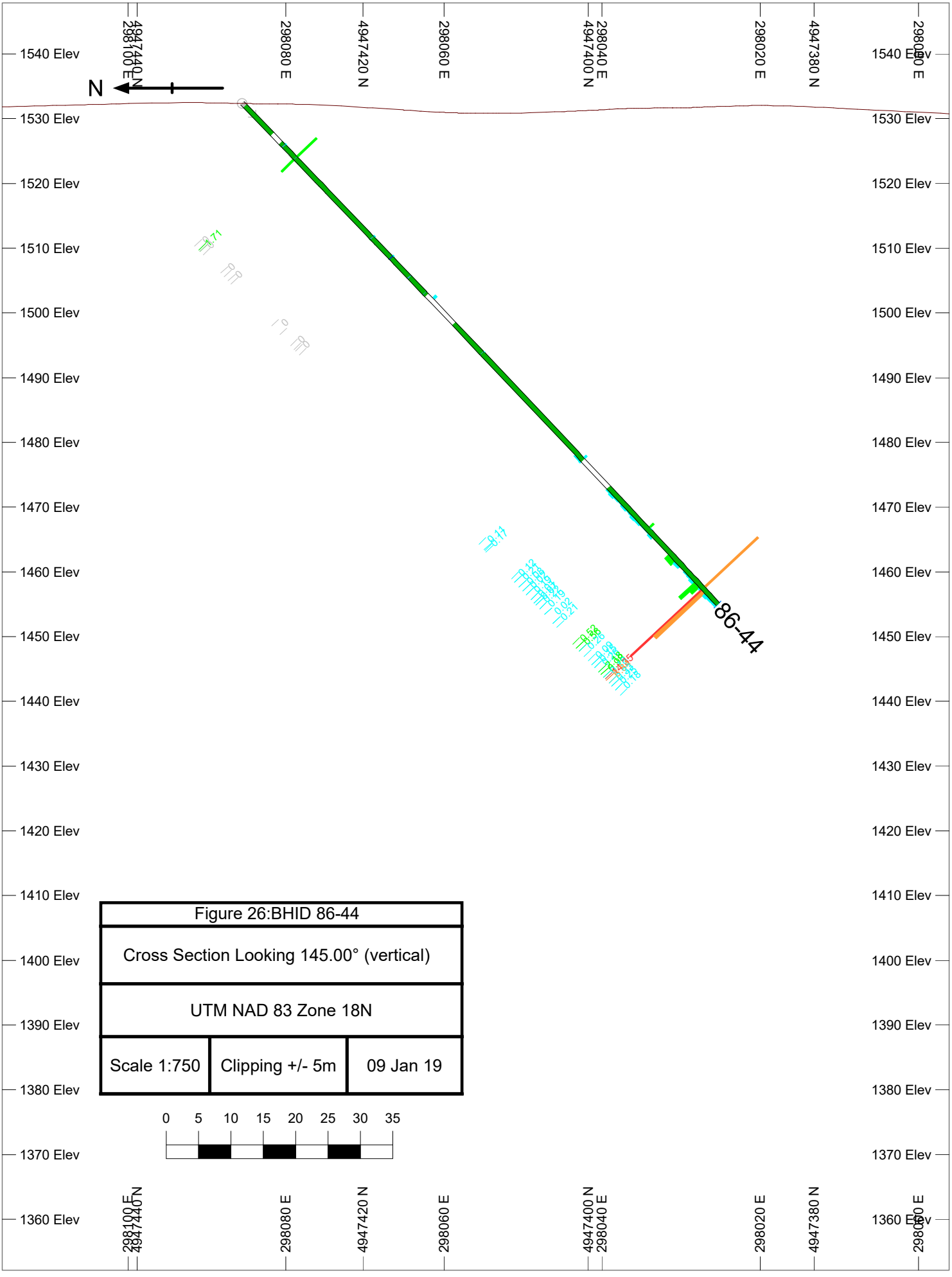


Figure 26:BHID 86-44		
Cross Section Looking 145.00° (vertical)		
UTM NAD 83 Zone 18N		
Scale 1:750	Clipping +/- 5m	09 Jan 19

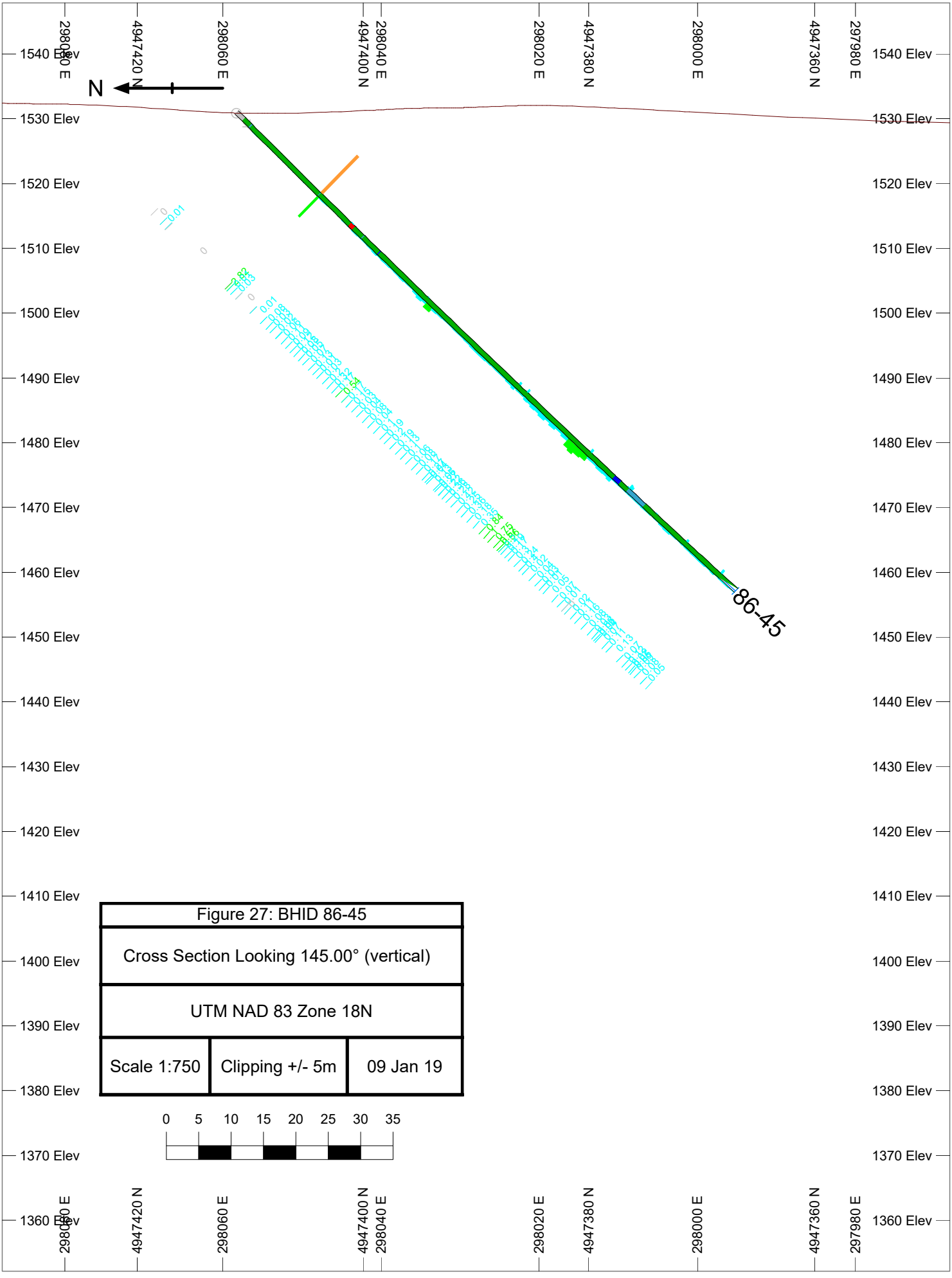


Figure 27: BHID 86-45		
Cross Section Looking 145.00° (vertical)		
UTM NAD 83 Zone 18N		
Scale 1:750	Clipping +/- 5m	09 Jan 19

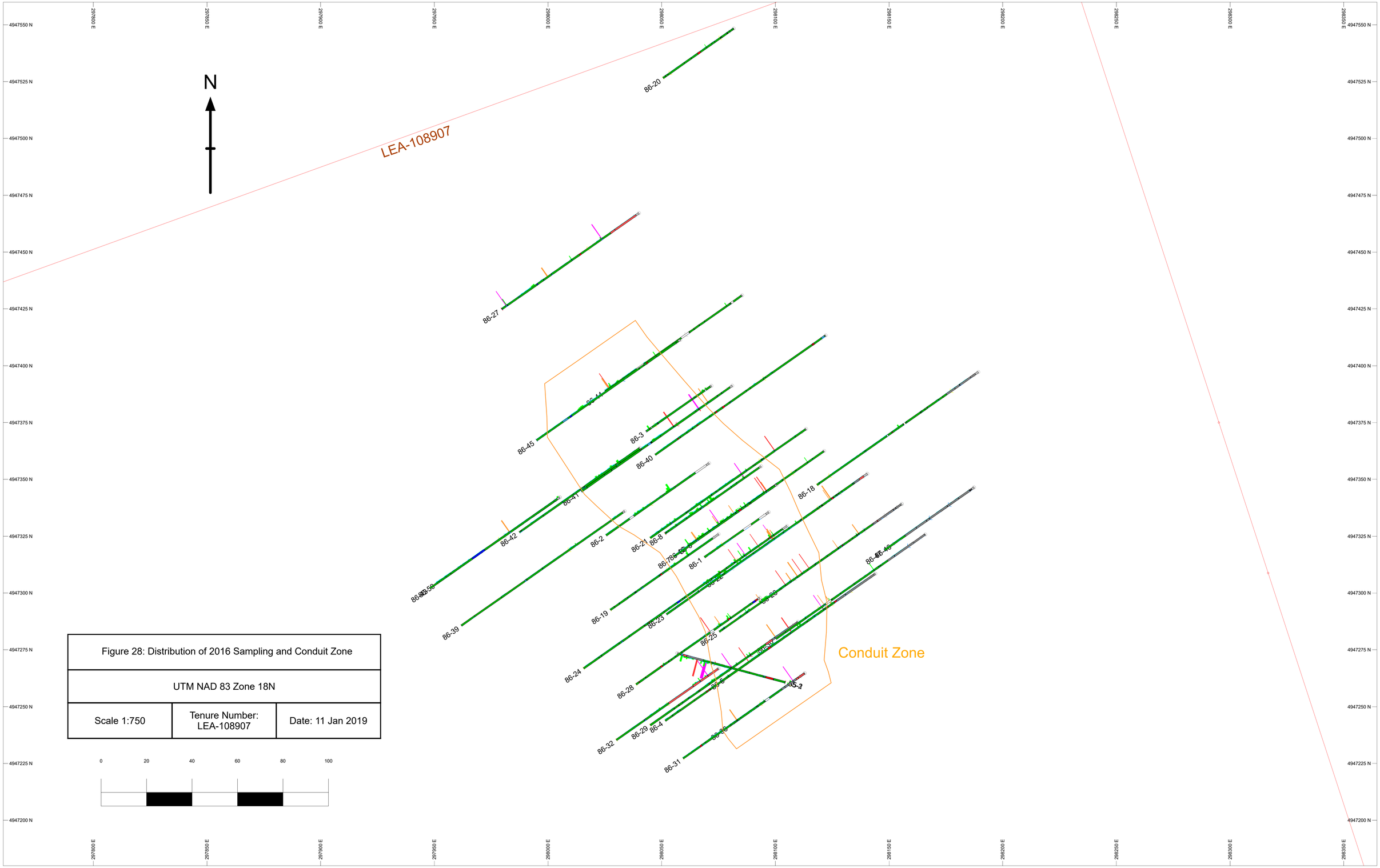


Figure 28: Distribution of 2016 Sampling and Conduit Zone		
UTM NAD 83 Zone 18N		
Scale 1:750	Tenure Number: LEA-108907	Date: 11 Jan 2019