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Mr. Timothy Young
Burda and Block A Properties, Ontario, Canada

Report on August 2016 Till Sampling for Gold

by
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1. EXECUTIVE SUMMARY

This report describes a surface till sampling program for gold performed for Mr. Timothy Young on the recently acquired, wholly owned Burda property and the optioned, neighbouring Block A property of Golden Harp Resources Inc. in the Shining Tree gold district of the Abitibi Greenstone Belt, northeastern Ontario. The program included the collection of 21 samples of oxidized till and sand and gravel from hand-dug shovel pits and two backhoe trenches. The objectives of the program were to: (1) determine whether two gold grain anomalies identified by Overburden Drilling Management Limited on the eastern portion of the Block A in a major till sampling program conducted in the summer of 2011 for Mineral Mountain Resources Ltd. were derived from a bedrock source to the northeast near a gold-bearing showing, the Gardner – Courageous, on the Burda property; and (2) test an area of the Burda property east of a gold-fertile syenite intrusion, the Moon Lake Stock, identified in the same program.

The properties are underlain mainly by northeast-younging Archean rocks of two volcanic cycles, the Deloro and Kidd – Munro Groups, correlative in age with cycles in the Kirkland Lake and Timmins areas. The contact between the two groups is a major, east-west trending structure compatible with the gold-fertile Cadillac – Larder Lake Fault. Both the Deloro and Kidd – Munro volcanics near this fault have been extensively intruded by syenite related to younger, Timiskaming-type alkalic volcanism of the Natal Group west of Block A. The area between the Deloro and Kidd – Munro Groups on the Burda and Block A properties, between Moon and Arthur Lakes is covered by a large esker – the Moon Lake esker.

The 2011 till sampling campaign utilized both reverse circulation drilling and hand-dug pits. The drilling yielded a significant 163-grain gold anomaly in Hole 08 which was corroborated by a similarly strong, 136-grain anomaly in a nearby reconnaissance surface sample, No. 115. Four closely spaced orientation samples around a known gold showing to the north, the Decker Zone, were also anomalous, although not as strongly despite being further up-ice glacially. The gold grains exhibited dominantly reshaped morphologies suggesting glacial transport of >1 km. The gold in Holes 08 and Sample 15 included an unusually high proportion of grains coarser than silt size suggesting possible sorting by meltwater. Glacial ice flow indicators in the vicinity of Block A are rare and range from SSW to SSE. SSW flow was favoured based primarily on the trend of the Moon Lake esker. The 2011 program established that both ascertaining the source of the gold grains and the ability to trace them to this source were complicated by: (1) uncertainty as to whether the direction of ice flow was SSW or SSE; and (2) the frequent absence of till beneath the Moon Lake esker. The RC drilling, which also sampled the underlying bedrock, discovered the previously unknown Moon Lake Stock which was found to be broadly anomalous in gold, to contain breccia zones and to be partially rimmed by infertile lamprophyre.

Mineral Mountain conducted a 23-hole diamond drilling program in 2011-2012 to follow up the gold grain anomalies identified in the 2011 program. The holes were drilled on four sections starting in the middle of the Moon Lake Stock and working 2 km northward across the komatiite-bearing Kidd – Munro supracrustal rocks. Thirty-six anomalous intercepts ranging from 0.5 to 2 g/t Au obtained with the highest concentration occurring on the second drill section on the northern edge of the Moon Lake Stock across from the Decker Zone. While no strongly mineralized zones were encountered, the high frequency of anomalous drill intercepts could indicate that the apparent gold grain dispersal train near the Decker Zone and possibly also the anomaly to the south at Hole 08 emanates from the northern contact of the stock. Alternatively, the weak Decker anomalies could reflect this mineralization and the stronger Hole 08 anomaly could have a separate, more southerly source.

During the present sampling program, it was found that till is only sporadically preserved in the area of the Gardner – Courageous showing. Instead, most of the area, including the stripped showing, is overlain by outwash sand and esker gravel deposited directly on bedrock. As a result, only three till samples were collected. Only one of the till samples, No. 07, yielded a gold grain count above background levels. This sample was weakly anomalous, yielding 51 gold grains; however, all of the grains were reshaped or strongly modified indicating glacial transport of >1 km, probably from an off-property source. Three gravel samples were also collected but only because no till was present near the Gardner – Courageous showing. The -0.063 mm fines of two of the six samples returned Au geochemical analyses above the 2 ppb detection limit but both were below the 10 ppb anomaly threshold. Arsenic and other elements of interest were subanomalous. These negative results preclude derivation of the Decker and Hole 08 gold grain anomalies from the area near the Gardner – Courageous showing on the Burda property.

Thirteen till and two sand and gravel samples were collected in the area east of the Moon Lake Stock. Although seven or 54 percent of the till samples yielded slightly elevated gold grain counts above the 30-grain anomaly threshold for the Shining Tree area, no significant anomalies were identified. Till sample No. 08 yielded the strongest concentration of gold grains with 49, but most of the grains were reshaped or strongly modified indicating >1 km of glacial transport. The elevated counts probably represent peaks in the high regional gold grain background of the till. Elevated As, Cu, Zn and Ni analyses from the -0.063 mm fines of Sample 08 and elevated As and Cu analyses for the two gravel samples, which were obtained from a backhoe pit, reflect the underlying Ni-bearing komatiites of the Kidd – Munro Group.

Two glacially striated outcrops were discovered on the Burda property, establishing a definitive 178° or directly southward ice-flow trend. This indicates that the gold grain anomalies that were obtained near the Decker Zone and at Hole 08 in 2011 originated from within the Block A claims, not from the Burda claims. It was originally proposed that the high frequency of anomalous drill intercepts in the 2011-2012 program could indicate that: (a) the apparent gold grain dispersal at Hole 08 and/or the anomaly near the Decker Zone emanates from the northern contact of the Moon Lake Stock; or (b) the weak Decker anomalies could reflect this mineralization and the stronger Hole 08 anomaly could have a separate more, southerly source. This interpretation is compatible with the observed southward direction of ice flow.

If the Hole 08 gold grain anomaly comprises part of a systematic dispersal train, as suggested by the anomaly obtained from nearby surface till sample No. 115, the subanomalous till in three 2011 RC Holes, Nos. 37, 38 and 42, drilled 1.2 km directly to the north on the Moon Lake Stock represents a maximum up-ice cut-off of the train. Approximately 900 m up-ice of Hole 08 and 300 m down-ice of the cut-off is the inferred southwestern contact of the Moon Lake Stock with komatiitic volcanics west of the Decker showing. While the RC drilling showed that the zone of lamprophyre on the western margin of the stock was infertile, the southern contact was not tested in either the RC or subsequent diamond drilling programs and may be the source of the Hole 08 and Sample 115 gold grain anomalies. This would require that: (a) gold grain wear during glacial transport was relatively rapid as most of the grains are fully reshaped; and (b) the higher than normal proportion of sand-sized grains is due to the source mineralization being coarse grained rather than to sorting by meltwater. The weaker Decker anomaly may be derived from the northern contact of the stock which is a similar distance up-ice and yielded numerous weakly mineralized diamond drill intercepts.

Follow-up till sampling up-ice from Hole 08 would probably not be effective in tracing the anomaly to source due to the sparse preservation of till. Therefore, it is recommended that: (1) an induced polarization survey be conducted along the southern contact of the Moon Lake Stock between RC Hole 42 and the Decker Zone to locate possible zones of disseminated sulphides that could host significant gold mineralization; and (2) one or more diamond core holes be drilled to further test this contact.

2. INTRODUCTION

2.1 Subject of the Report

This report by Overburden Drilling Management Limited (“ODM”) describes a till sampling program conducted on two adjoining gold properties – Burda and Block A – of Mr. Timothy Young (“Mr. Young”) in the Shining Tree area of northeastern Ontario (Fig. 1). The objectives of the program were to: (1) determine whether gold grain anomalies identified by ODM on the eastern portion of the Block A in a major till sampling program conducted in the summer of 2011 for Mineral Mountain Resources Ltd. (“Mineral Mountain”; Averill 2012) were derived from a bedrock source to the northeast on or near the Burda property; and (2) test an area of the Burda property bordering a gold-fertile syenite stock identified in the same program.

2.2 Property Location, Description and Ownership

The Burda and Block A properties are located in northeastern Ontario, ~100 km from each of the three main regional population centres, Timmins to the north, Kirkland Lake to the northeast and New Liskeard to the southeast (Fig. 1). Access is gained by following Highway 11 northward from New Liskeard for ~45 km and Highway 560 westward for ~100 km. The hamlets of Gowganda and Shining Tree lie on the latter highway ~25 km east and 20 km southwest of the properties, respectively.

The properties are located at the intersection of four townships (Knight, Tyrrell, Macmurchy and Natal) in the central part of the Shining Tree gold district. The Burda property consists of 16 claims in western Knight Township (Appendix A). Mr. Young acquired this property in May 2016 and is the sole owner. The previously tested Block A property consists of 155 claims totalling 335 units with Mr. Young holding a 70 percent interest and Golden Harp Resources Inc. retaining 30 percent.

2.3 Regional Geological Setting and Subsurface Geology and Mineralization of the Burda and Block A Properties

Geologically, the Burda and Block A properties lie on southern edge of the Archean-age Abitibi Subprovince, or Abitibi Greenstone Belt, of the Superior Province of the Canadian Shield. The properties are underlain mainly by northeast-younging Archean rocks of two volcanic cycles correlative



Figure 1 – Geographic location and regional geological setting of the Burda and Block A properties.

in age with cycles in the Kirkland Lake and Timmins areas (Ayer *et al.* 2002). Only the upper part of the first cycle, consisting of tholeiitic to calc-alkalic basalt and intermediate volcanics of the Deloro Group, and the lower part of the second cycle, consisting of komatiite and subordinate tholeiitic basalt of the Kidd – Munro Group, are represented (Figs. 2, 3). Outcrop exposure is high on much of the property and the crustal depth represented in the exposures is unusually shallow, possibly as little as 5 km, as evidenced by an absence of granitoid plutons, very limited metamorphism at lower greenschist facies, negligible foliation and brittle rather than ductile shear deformation.

Stratigraphic and structural trends are difficult to ascertain precisely due to the lack of penetrative deformation but the volcanic strata of the Deloro Group strike broadly NW whereas those of the Kidd – Munro Group strike appear to strike NNW. This divergence suggests that the two groups, which historically have been interpreted as conformable, are separated by a significant, E-W trending fault. Recognizing even a crustal-scale fault from the available outcrops would be difficult because, at such a shallow crustal level, the fault would probably be a very narrow, brittle structure rather than a broad zone of ductile shearing. Moreover, much of the fault-prospective corridor is covered by a variety of sediments. From west to east across the properties, these cover sediments are: (1) alkalic to subalkalic volcanoclastic rocks and epiclastic to clastic sedimentary rocks of the Natal Group which extend northward and westward from the Montreal River and appear to be stratigraphically equivalent to the Timiskaming Group of the Kirkland Lake area; (2) thick glaciofluvial sand and gravel related to a large esker complex; and (3) immediately east of the properties, unmetamorphosed Huronian (Paleoproterozoic) sediments of the Gowganda Formation which extend northeastward for 60 km toward Kirkland Lake. Nevertheless, the existing geological maps of the properties do suggest marked discontinuity, both lithological and structural, along the fault-prospective corridor.

The Archean volcanosedimentary rocks range in age from ~2750 to 2688 Ma (Ayer *et al.* 2002) and have been intruded by closely spaced, north trending, unmetamorphosed, Paleoproterozoic diabase dykes of the ~2454 Ma Matachewan swarm. Immediately east of the properties, the Archean rocks, Matachewan dykes and Huronian cover sediments are intruded by a 275 m thick, ~2219 Ma sill of Nipissing diabase and locally by comagmatic diabase dykes of diverse trends. While this sill was emplaced mainly into the Huronian sediments, it locally exploited their contact with the underlying Archean volcanics or was emplaced entirely within these volcanics. At Gowganda, the same sill was host to the important silver veins of this district including those of the principal Miller Lake O'Brien mine (Moore 1955). The sill extends a further 80 km southeast to the famous Cobalt silver camp but the productive veins there occurred mainly in the subjacent Archean volcanics.

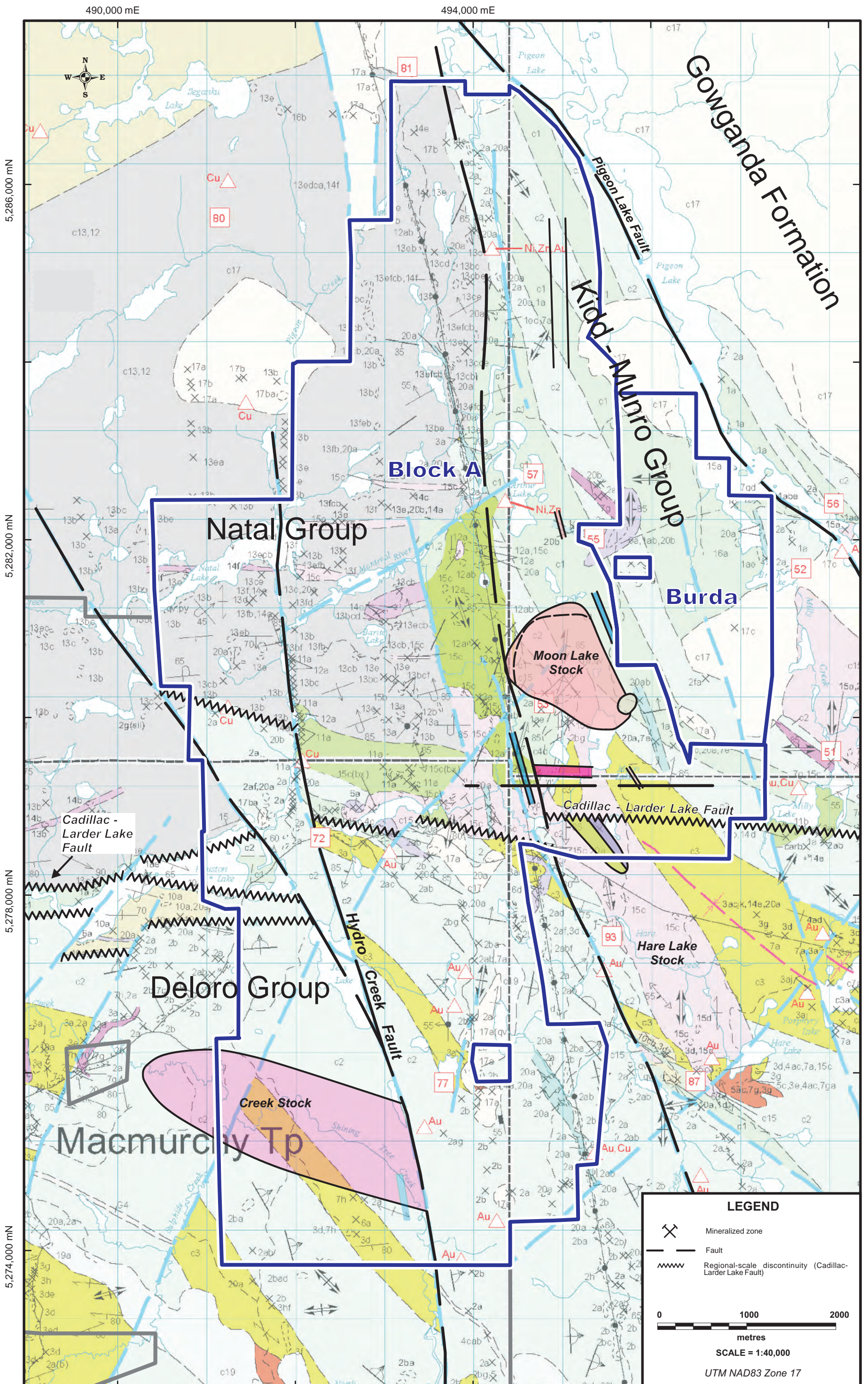


Figure 2 - Geological map of the Burda and Block A area. See Figure 2 for the detailed bedrock lithology legend.
Sources: Averill 2012, Johns 2003.

PRECAMBRIAN

PROTEROZOIC

PALEOPROTEROZOIC

Mafic Intrusive Rocks

20 Matachewan Swarm *

- 20a Diabase
- 20b Feldspar-phyric diabase

*Note: Diabase is actually pre-Huronian

INTRUSIVE CONTACT

19 Nipissing Gabbro

- 19a Gabbro
- 19b Diabase
- 19c Granophyre
- 19d Quartz diorite
- 19e Layered gabbro

INTRUSIVE CONTACT

Huronian Supergroup

18 Lorrain Formation

- 18a Arenite

17 Gowganda Formation

- 17a Conglomerate
- 17b Arenite
- 17c Siltstone, argillite
- 17d Wacke

UNCONFORMITY

ARCHEAN

NEOARCHEAN

Mafic to Felsic Intrusive Rocks

16 Lamprophyric to Gabbroic Rocks

- 16a Hornblende-phyric lamprophyre
- 16b Gabbro

INTRUSIVE CONTACT

15 Intermediate to Felsic Intrusive Rocks

- 15a Monzonite
- 15b Xenolith-bearing monzonite
- 15c Syenite
- 15d Monzodiorite

INTRUSIVE CONTACT

14 Intermediate to Felsic Intrusive Rocks

- 14a Feldspar porphyry
- 14b Quartz porphyry
- 14c Quartz-feldspar porphyry
- 14d Felsite
- 14e Hornblende porphyry
- 14f Feldspar-hornblende porphyry

INTRUSIVE CONTACT

Metavolcanic and Metasedimentary Rocks

13 Intermediate to Felsic Reworked Metavolcanic Rocks

- 13a Wacke
- 13b Tuff
- 13c Lapilli tuff
- 13d Lapillistone
- 13e Tuff breccia
- 13f Pyroclastic breccia

12 Intermediate to Felsic Metavolcanic Rocks

- 12a Tuff
- 12b Lapilli tuff
- 12c Lapillistone
- 12d Tuff breccia
- 12e Pyroclastic breccia
- 12f Flows
- 12g Autoclastic breccia

11 Alkalic Intermediate to Mafic Metavolcanic Rocks

- 11a Agglutinate flow
- 11b Xenolith-bearing flow

10 Clastic Metasedimentary Rocks

- 10a Arenite
- 10b Wacke
- 10c Slate/argillite
- 10d Conglomerate

9 Chemical Metasedimentary Rocks

- 9a Chert

UNCONFORMITY

NEO TO MESOARCHEAN

Mafic to Felsic Intrusive Rocks

8 Intermediate to Felsic Intrusive Rocks

- 8a Granodiorite
- 8b Tonalite
- 8c Granite
- 8d Monzonite
- 8e Syenite
- 8f Foliated
- 8g Xenolith bearing
- 8h Quartz diorite

INTRUSIVE CONTACT

7 Metamorphosed Intermediate to Felsic Intrusive Rocks

- 7a Feldspar porphyry
- 7b Quartz porphyry
- 7c Quartz-feldspar porphyry
- 7d Hornblende porphyry
- 7e Feldspar-hornblende porphyry
- 7g Felsite
- 7h Potassium feldspar porphyry

INTRUSIVE CONTACT

6 Metamorphosed Mafic to Ultramafic Intrusive Rocks

- 6a Gabbro
- 6b Leucogabbro
- 6c Diorite
- 6d Dunite
- 6e Melanogabbro
- 6f Peridotite
- 6g Hornblende
- 6h Pyroxenite
- 6i Amphibolite

INTRUSIVE CONTACT

Metavolcanic and Metasedimentary Rocks

5 Clastic Metasedimentary Rocks

- 5a Wacke
- 5b Arenite
- 5c Slate/argillite

4 Chemical Metasedimentary Rocks

- 4a Black chert
- 4b Red chert
- 4c Magnetite ironstone
- 4d Sulphide ironstone
- 4e Graphitic sediments

3 Intermediate to Felsic Metavolcanic Rocks

- 3a Massive flow
- 3b Porphyritic flow
- 3c Autoclastic breccia
- 3d Tuff
- 3e Lapilli tuff
- 3f Lapillistone
- 3g Tuff breccia
- 3h Pyroclastic breccia
- 3j Quartz phenocryst bearing
- 3k Feldspar phenocryst bearing
- 3m Schist
- 3n Pillowed flow

2 Mafic to Intermediate Metavolcanic Rocks

- 2a Massive lava
- 2b Pillowed flow
- 2c Amygdaloidal flow
- 2d Spherulitic flow
- 2e Porphyritic flow
- 2f Autoclastic breccia
- 2g Pillowed breccia, hyaloclastite
- 2h Coarse-grained flow
- 2j Mafic schist
- 2k Saussuritized
- 2m Silicified
- 2n Carbonatized

1 Ultramafic Metavolcanic Rocks

- 1a Massive lava
- 1b Autoclastic breccia
- 1c Dunite
- 1d Sheared flow
- 1e Spinifex
- 1f Conglomerate (ultramafic and mafic clasts)
- 1g Serpentinized and talcaceous altered flow

Figure 3 - Detailed bedrock lithology legend. Source: Johns 2003.

The area between the Deloro and Kidd – Munro Group along the boundary between the Burda and Block A properties, between Moon Lake and Arthur Lake, is covered by a large esker – the Moon Lake esker. Stratigraphic relationships in this area are further masked by numerous dykes and small stocks of syenite which are comagmatic with the alkalic volcanics of the Natal Group (Fig. 2). At Kirkland Lake, Timiskaming Group sedimentation, alkalic volcanism and syenitic magmatism are all closely linked with the gold-fertile Cadillac – Larder Lake Fault. The repetition of the same three features on the Burda and Block A properties in direct association with a zone of marked lithologic and structural discontinuity strongly suggests that the Cadillac – Larder Lake Fault extends westward beneath the Huronian cover sediments to the Shining Tree district, passes through the Block A immediately south of the Burda property and connects with the similar Ridout Fault further to the west.

Several younger N to NNW trending cross faults are known in the area (Fig. 2). One of these, the Hydro Creek Fault, follows a major northward jog in the east-flowing Montreal River and defines the western boundary of the komatiitic Kidd - Munro Group with the Natal Group. The eastern boundary of the komatiites with the Gowganda Formation is defined by a similar structure, the Pigeon Lake Fault. Thus significant uplift has occurred in the komatiitic block and the crustal section exposed in this block, while unusually shallow relative to most parts of the Abitibi Greenstone Belt, is the deepest in the area resulting in the greatest exposure of intrusive rocks.

In the 2011 till sampling program on Block A, the samples were obtained from hand-dug pits in areas where the till was exposed and from reverse circulation (“RC”) drill holes where it was covered by younger sediments, mainly sand and gravel of the Moon Lake esker. The underlying bedrock was also sampled in the RC drill holes providing the first reliable geological map of areas of the property where outcrops are scarce or absent as along the esker. Most of the RC holes along this esker were drilled in the area underlain by the Kidd – Munro Group and thus intersected komatiite and basalt. Komatiite is dominant and is entirely of the pyroxenitic rather than peridotitic type; it contains no olivine. Consequently the komatiite horizons are nonmagnetic and indistinguishable from the basalt horizons using the aeromagnetic data. They do appear to strike NNW as indicated by previous mapping but extend further south under the esker cover where they end abruptly, abutting sharply with angular discordance against NW trending andesite of the Deloro Group, thereby confirming that the contact between the two groups is a major structure compatible with the Cadillac – Larder Lake Fault (Fig. 2). Further west, in the Houston Lake area of the property where the fault is only thinly overburden covered, it coincides with the southern limit of the Timiskaming-type, alkalic volcanics and sediments of

the Natal Group such that its position is more readily recognizable. These same relationships occur along strike to the west on the Ridout Fault. Thus the esker-covered area of the Block A and Burda properties appears to hold the missing link connecting the Cadillac – Larder Lake Fault of the Kirkland Lake district to the Ridout Fault of the western Shining Tree and Swayze Districts.

The Kidd – Munro volcanics are cut by two large quartz-feldspar porphyry dykes which appear to be early, subvolcanic intrusions, and both the Kidd – Munro and Deloro volcanics near the Cadillac – Larder Lake Fault have been extensively intruded by syenite related to the younger, Timiskaming-type alkalic volcanism of the Natal Group. The syenite occurs mainly in two large stocks – the Hare Lake Stock within the Deloro Group and the previously unknown Moon Lake Stock to the north within the Kidd – Munro Group (Fig. 2) which was discovered during the RC drilling program. Four syenite dykes were also encountered in RC holes peripheral to the Moon Lake Stock and the stock itself may, in part, consist of a dyke swarm rather than a single intrusive mass. An unusual rock type, pyroxene lamprophyre, was intersected in three drill holes along the northern and western margins of the stock.

The syenite is variably porphyritic in hornblende, biotite and alkali feldspar and commonly occurs as a magmatic breccia containing small xenoliths of basalt or komatiite. Each stock is >1 km in diameter yet the groundmass of the syenite, which consists mainly of alkali feldspar, is consistently semi-aphanitic indicating emplacement of the syenite at a very high level in the crust and further attesting to the shallowness of the exposed crustal section.

Numerous historical mineralized zones on the Burda and Block A properties are described in detail in Lintner & Kleinboeck (2012) and Averill (2012). Prior to the 2011 RC drilling campaign, the most notable were:

1. Gardner – Courageous: auriferous quartz stringers hosted in a porphyry dyke on the Burda property.
2. Decker, Cook and MC: auriferous fuchsite-bearing carbonate breccia zones hosted by sheared komatiite flows of the Kidd – Munro Group and syenite related to the Natal Group volcanism, on the central part of Block A, proximal to the major geological discontinuity that may mark the western extension of the Cadillac – Larder Lake Fault.

3. Jude: an auriferous shear-hosted, brecciated quartz vein in basalt on the southern part of Block A.
4. Hydro Creek: in auriferous fragmental intermediate to felsic volcanics of the Natal Group near the Montreal River on Block A.

2.3 Surficial Geology

The Burda and Block A properties lie on the south side of the Hudson Bay/St. Lawrence River drainage divide. This area was not influenced by Glacial Lake Barlow-Ojibway which flooded the Hudson Bay drainage basin to the north during meltdown of the Laurentide ice sheet ~10,000 years ago (Dyke & Prest 1987). Consequently, the surficial sediments are generally thin and consist mainly of till, known regionally as Matheson Till, that was deposited by ice flowing southward from the Hudson Bay ice centre. Bedrock exposure is relatively high (Averill 2012).

Alcock & Miller (2001) interpreted the surficial geology of the area from stereo air photos with field confirmation in accessible areas. They categorized ~70 percent of the area as a bedrock-drift complex in which the till between outcrops is commonly <1 m thick. In the rest of the area, the till is thinly to thickly covered by glaciofluvial sand and gravel fringed by finer outwash sand. These sediments are related to a series of eskers that cross the area in a generally southward to south-southeast direction parallel to glacial ice flow including the 6 km long Moon Lake esker that extends from Arthur Lake on Block A southward into Tyrrell Township (Figs. 4, 5). Ice-flow indicators in the vicinity of the Burda and Block A properties are rare and range from SSW to SSE (Alcock & Miller 2001).

2.4 Recent Exploration History

Lintner & Kleinboeck (2012) included a summary of all historical exploration on Block A in their report on a program of diamond drilling that was undertaken in 2012 to follow up the positive gold results obtained from the 2011 till sampling program. The results of both programs are discussed in more detail below.

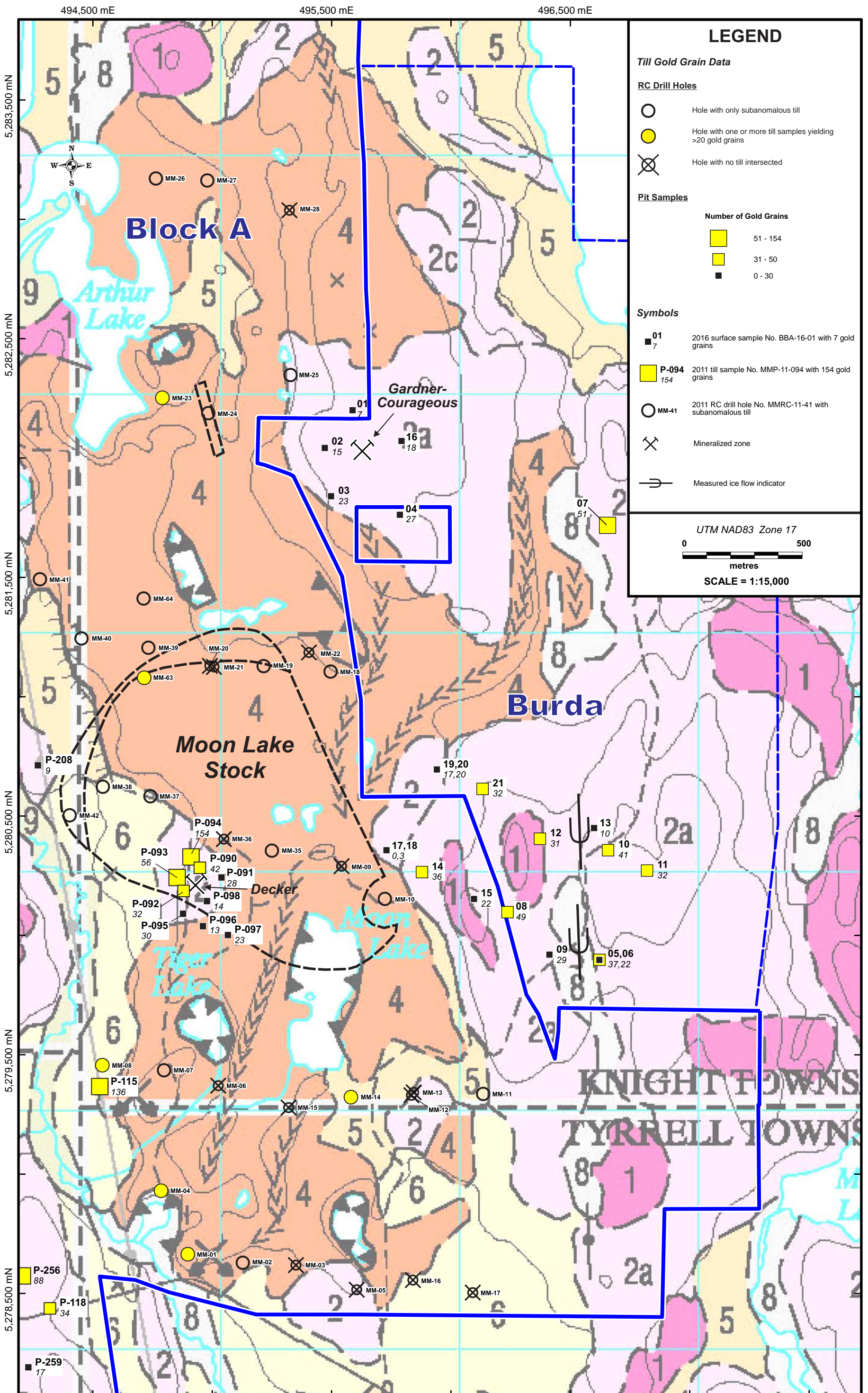


Figure 4 - Sample locations and distribution of gold grains in the till and sand and gravel samples in relation to the surficial geology. The locations of the RC drill holes and surface samples from the 2011 campaign and known gold occurrences are also shown. See Figure 5 for the detailed surficial geology legend. Sources: Averill 2012, Alcock & Miller 2001.

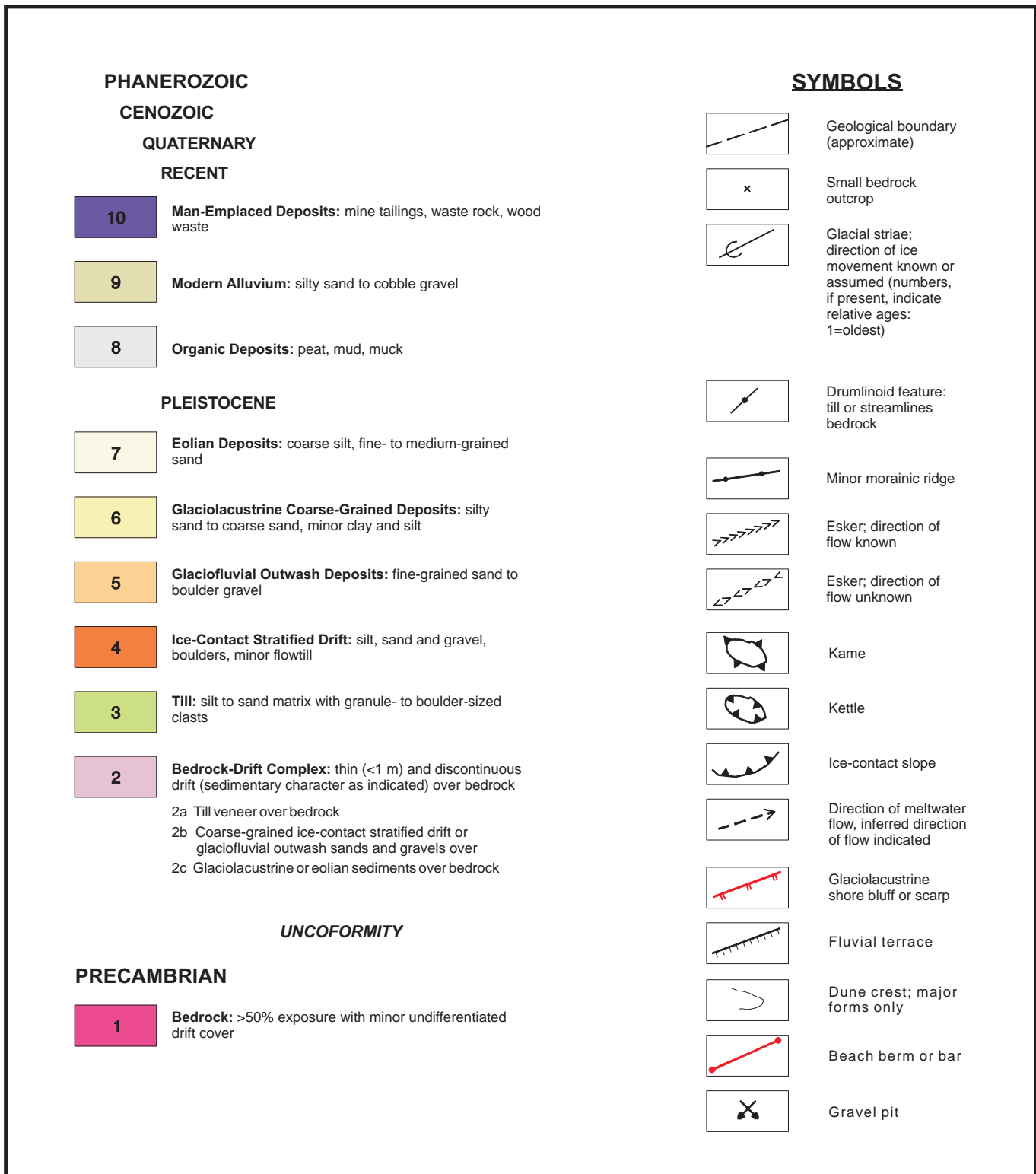


Figure 5 - Detailed surficial geology legend. Source: Alcock & Miller 2001.

2.4.1 2011 Till Sampling Program

The 2011 till sampling program included the collection of 131 samples of oxidized till from hand-dug shovel pits and 78 samples of unoxidized till from 62 RC drill holes along with bedrock intercepts (Averill 2012). An additional 25 samples of gravel and two of sand were collected from the drill holes, mainly because 21 holes did not encounter any till. The program was designed primarily to provide uniform, reconnaissance-scale exploration coverage at 300 x 1000 m sample spacing over most of the property but the pit sampling portion also included closely spaced orientation sampling at the known Decker, Jude, Cook, MC and Hydro Creek gold zones.

The till, gravel and sand samples were processed to extract their heavy mineral fraction and visually separate any gold grains. A -0.063 mm silt + clay subsample of the raw, oxidized surface till samples was analyzed for geochemically scavenged gold and other elements commonly associated with gold or base metal deposits. Heavy mineral concentrates (“HMCs”) were prepared from the unoxidized till, gravel and sand samples collected from the RC drill holes and then analyzed.

The 62 RC holes on Block A were drilled in three separate, thickly overburden-covered areas of the property including 44 holes on the Moon Lake esker. In the areas tested by surface sampling, between and adjacent to the drill areas, bedrock exposure is common, averaging ~10 percent, and the inter-outcrop areas are generally covered by either a veneer of till <1 m thick or a somewhat thicker till blanket which may be patchily overlain by fine outwash sand.

In the main Moon Lake – Arthur Lake drill area, 17 of the 44 drilled holes, or 39 percent, did not encounter till because the high-energy meltwater that transported and deposited the esker gravel eroded much of the till-bearing ice. As a result, the broad exploration coverage expected from the till samples was compromised, increasing the reliance on the bedrock samples.

The 44 holes in the Moon Lake – Arthur Lake area were widely spaced and drilled randomly yet the bedrock intercepts from 11 of these holes – an exceptional 25 percent – returned anomalous gold values ranging from 14 to 233 ppb versus background of <5 ppb, indicating the presence of a very large mineralizing system. Eight of the anomalous intercepts consisted of syenite, indicating a direct link between gold and syenite similar to that in the Kirkland Lake area and providing further evidence that the major E-W structural zone separating the Deloro and Kidd – Munro Groups was compatible with the

Cadillac – Larder Lake Fault. The Moon Lake Stock was found to be particularly fertile as four of six syenite intercepts from this stock, or 67 percent, and three of the four peripheral dykes, or 75 percent, were anomalous. The marginal lamprophyre phase of the stock was, however, subanomalous suggesting that its emplacement may post-date the gold mineralizing event. The mineralized syenite is only weakly fractured and minimally sulphidized. In contrast, four neighbouring komatiite intercepts were pervasively brecciated and carbonate-cemented yet either contained no gold or were only minimally anomalous, including an intersection from Hole 39 that contained 20 percent fuchsite, 1 percent pyrite and 0.2 percent arsenopyrite.

The gold grain counts for six till samples collected from the Moon Lake – Arthur Lake drill holes exceeded the 20-grain anomaly threshold for unoxidized till along the southern edge of the Abitibi Greenstone Belt where the gold grain background is unusually high due to the cumulative contributions of the many major and minor gold occurrences in the 150 to 200 km wide belt. In five of these anomalous samples, up to 80 gold grains were observed and >30 percent of these grains were of a pristine to partly modified morphology rather than being fully reshaped from long glacial transport, suggesting that they are locally sourced, probably from the broadly gold-fertile syenite. However the corresponding HMC gold analyses were not sufficiently strong to suggest economic mineralization. The sixth till sample was the sole sample from Hole 08 and returned the strongest HMC analysis because more gold – 163 grains – was observed and an unusually high proportion of these grains – 53 percent versus the normal 10 percent – were sand-sized rather than silt sized. However, almost all of the grains were reshaped. Together these features indicated either: (a) a distal source; or (b) transport and sorting of the gold grains in glacial meltwater even though they were recovered from a sample of ice-transported till. The various esker gravel and sand samples collected from the drill holes consistently yielded only low numbers of gold grains with no bias to sand-sized grains, arguing against transport of the Hole 08 grains by meltwater. However, both ascertaining the source of the gold grains and the ability to trace them to this source were complicated by: (1) uncertainty as to whether the direction of ice flow was SSW or SSE; and (2) the frequent absence of till beneath the esker complex.

The gold grain background of the weathered, oxidized till sampled in the shovel pits was higher than that of the unoxidized till sampled in the RC drill holes – up to 30 rather than 20 grains per sample – because weathering involves leaching and removal of the soluble constituents of the till, reducing its volume and thereby concentrating the insoluble gold grains. Of the 131 collected pit samples, 31 or 24 percent yielded >30 gold grains. Predictably, the anomaly frequency was much higher – 53 versus 13

percent – in the 36 orientation samples collected at the Decker, Jude, Cook, MC, and Hydro Creek gold zones than in the 95 reconnaissance samples. While HMCs were not prepared from the pit samples, HMC gold values were calculated based on the normal 250:1 laboratory concentration factor. Such gold values are useful because the laboratory concentration procedure effectively offsets glacial dilution of the gold grains within the till as they are dispersed from source such that the HMC gold analyses roughly mirror the grade of the bedrock source mineralization.

At the Decker Zone, anomalous gold grain counts were obtained from a tight cluster of four samples which, if ice flow was SSW, lie 1 km directly up ice from the very strong gold grain Au anomaly of RC drill hole No. 08. Lending support to a SSW ice-flow direction are three RC holes, Nos. 37, 38 and 42, drilled 1.2 km due north of Hole 08 each yielding a single sample from a thin till horizon that was subanomalous in gold. As in Hole 08, the gold grains from the Decker till samples were biased toward sand size, effectively increasing the strength of the corresponding HMC Au anomaly, and were mostly reshaped, indicating that they were derived not from the Decker Zone but rather from a distal source which would be difficult to locate due to frequent interruption of the till by esker sand and gravel. A similar gold grain response was obtained from the Hydro Creek samples, again suggesting a distal source, possibly in the esker-covered area under and west of Arthur Lake.

The most significant anomaly encountered in the reconnaissance pits was a 136-grain response from Sample 115 which was collected from a small till exposure beside Hole 08, corroborating the strong, 163-grain anomaly obtained from this drill hole. The gold grains in Sample 115 were reshaped to the same degree as those in Hole 08 but a lesser percentage were sand sized, resulting in a calculated HMC gold value of just 1252 ppb versus the 12,826 ppb (normalized) analysis obtained from the HMC in Hole 08.

The geochemical analyses obtained from the -0.063 mm fraction of the oxidized surface till samples on Block A were expected only to identify possible broad-scale associations between gold and other elements that are commonly associated with gold or base metal mineralization. Without the aid of heavy mineral concentration, such analyses are too insensitive to directly detect individual mineralized zones covered by till unless, either serendipitously or purposefully, as in the case of the Jude, Cook, MC, Decker and Hydro Creek orientation surveys, samples are collected within 100 m of these zones.

Till geochemical analyses >10 ppb are normally considered anomalous but most such analyses indicate the presence of a gold grain in the analytical aliquot rather than of geochemically scavenged gold. Therefore, anomaly frequency is sympathetic to the gold grain content of the till. A high anomaly frequency of 14 percent, representing 18 of the 131 collected samples, was obtained from the Block A survey because: (1) the gold grain background on the property is high; and (2) 36 samples, or 27 percent of the program total of 131 samples, were orientation samples collected close to known gold zones and many of these samples were significantly anomalous in gold grains. Indeed, 72 percent of the gold geochemical anomalies, including the strongest and most significant anomalies, were obtained from the orientation samples. All but four of the anomalies were weak responses below 50 ppb that could be explained simply by the statistical probability of one or two silt-sized gold grains entering the small, 40 g analyzed aliquots of the -0.063 mm fraction of the till.

The gold-fertile Moon Lake and Hare Lake syenite stocks in the Moon Lake – Arthur Lake sector of Block A, together with a similar stock east of Block A that hosts the past-producing Tyrinite Mine (Carter 1987), are probably cupolas of a much larger, underlying syenite intrusion (Averill 2012). These three cupolas have been unroofed only because they occur in the uplifted block of Kidd – Munro volcanics between the Hydro Creek and Pigeon Lake Faults. While the subcropping portions of the Moon Lake and Hare Lake stocks appear to have limited gold potential based on the modest gold grain responses obtained from the till samples, other, undiscovered, gold-fertile cupolas could be expected at shallow depth in the surrounding area, especially beneath areas where syenite dykes are exposed. Averill (2012) recommended that future exploration be focussed on discovering new, gold-fertile syenite cupolas at shallow depth in the Moon Lake – Arthur Lake area and that diamond drilling be conducted to locate these cupolas.

2.2 2011-2012 Diamond Drilling Program

A 23-hole diamond drilling program totalling 6,040.2 m was conducted in late 2011 and early 2012 (Lintner & Kleinboeck 2012) to follow up the strong gold-in-till anomaly identified in RC Hole 08 and surface till sample No. 115 south of the Decker occurrence in the 2011 sampling program. The 23 holes were drilled to the east-northeast on four 0.5 to 1 km long sections ~0.5 km apart, starting in the middle of the Moon Lake Stock and working 2 km northward across the SSE-trending, komatiite-bearing Kidd – Munro Group of supracrustal rocks (Fig. 6). These drill holes yielded 36 anomalous intercepts ranging

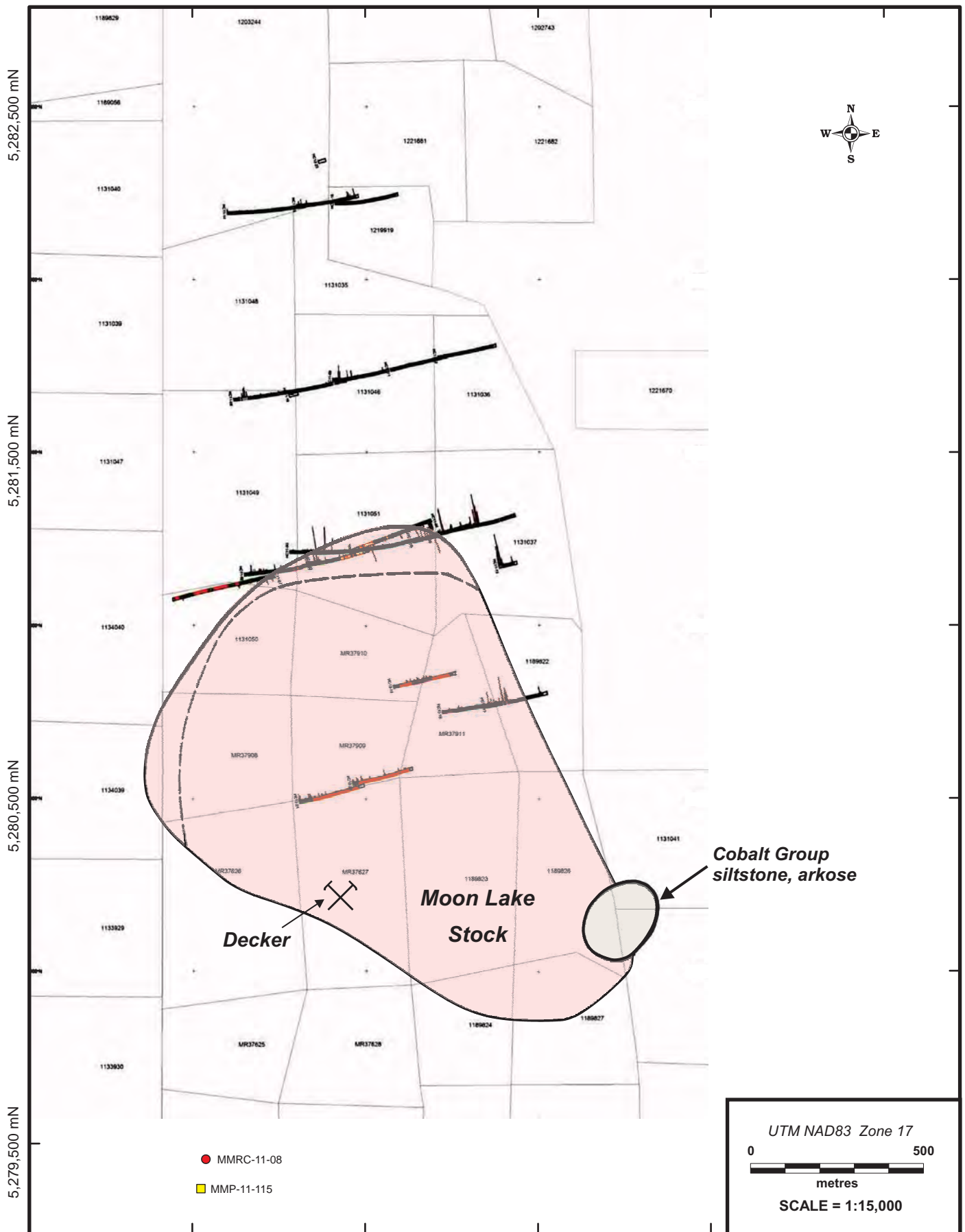


Figure 6 - Plan of the 2011-2012 diamond drill holes in relation to the Moon Lake Stock. The locations of the Decker Zone, 2011RC hole No. 08 and 2011 till sample No. 115 are also shown. Modified from Lintner & Kleinboeck 2012.

in length from ~1 to 10 m and in Au content from 0.5 to 2 g/t. The anomalous intercepts were concentrated along the second drill section on the northern edge of the Moon Lake Stock. While strongly mineralized zones were encountered, the high frequency of anomalous drill intercepts could indicate that the apparent gold grain dispersal at Hole 08 and/or the nearby Decker Zone emanates from the northern contact of the stock. Alternatively, the weak Decker anomalies could reflect this mineralization and the stronger Hole 08 anomaly could have a separate more proximal source.

3. METHODS AND COSTS

3.1 Program Description and Contractors

After the recent acquisition of the Burda claims, Mr. Young's representative Joerg Kleinboeck, P.Geo., commissioned ODM Chairman, Stuart Averill, P.Geo., to review the 2011 till sampling program and assess the merits and practicality of performing additional till sampling on the Burda property and eastern edge of the Block A property to resolve the source of the strong gold-grain-in-till anomalies in Hole 08, nearby surface till sample No. 115 and at the Decker Zone on the assumption that the direction of ice flow was SSW (Averill 2016). A total of 26 sample sites were proposed: (a) 14 in the area of the Gardner – Courageous showing to test for evidence of a bedrock source compatible with the gold grain anomalies; and (b) 12 east of the gold-fertile Moon Lake Stock to test for evidence of additional gold mineralization. The proposed sites were spaced at ~200 m along traverses ~400 m apart. The traverses were oriented NW-SE, roughly orthogonal to the suspected SSW transport direction of the till. An excavator was budgeted to dig trenches at two sites to reach buried till along the eastern margin of the esker.

Mr. Young contracted ODM to plan and execute the program and also to process the collected samples for gold. The sampling was conducted from August 16 to 21, 2016. Twenty-one samples were collected during the program including two duplicate, quality control samples. Fifteen samples were collected on the Burda property and six on Block A. The geographic co-ordinates of the sample sites are listed in Table 1. The sample locations are shown in relation to surficial geology in Figure 4 and in relation to bedrock geology in Figure 7. A log of each site is attached in Appendix B.

| Sample Number | UTM (NAD 83, Zone 17) | |
|---------------|-----------------------|----------|
| | Easting | Northing |
| BBA-16-01 | 495588 | 5282203 |
| BBA-16-02 | 495472 | 5282045 |
| BBA-16-03 | 495498 | 5281843 |
| BBA-16-04 | 495786 | 5281765 |
| BBA-16-05 | 496622 | 5279901 |
| BBA-16-06 | 496622 | 5279901 |
| BBA-16-07 | 496656 | 5281720 |
| BBA-16-08 | 496237 | 5280100 |
| BBA-16-09 | 496413 | 5279923 |
| BBA-16-10 | 496658 | 5280360 |
| BBA-16-11 | 496822 | 5280274 |
| BBA-16-12 | 496373 | 5280407 |
| BBA-16-13 | 496600 | 5280453 |
| BBA-16-14 | 495879 | 5280268 |
| BBA-16-15 | 496097 | 5280156 |
| BBA-16-16 | 495793 | 5282074 |
| BBA-16-17 | 495730 | 5280360 |
| BBA-16-19 | 495941 | 5280698 |
| BBA-16-20 | 495941 | 5280698 |
| BBA-16-21 | 496133 | 5280616 |

Table 1 – Geographic co-ordinates of the till samples.

ODM chose the sample sites and dug and sampled the till pits. ODM's field personnel for the program were Michael Michaud, P.Geo. and geotechnician Shawn Hargadon. Al Tulpin of Elk Lake, Ontario, supplied and operated a JD 120 excavator to dig two trenches. ODM coordinated the program with Joerg Kleinboeck.

At its Ottawa laboratory, ODM: (a) tabled the till samples to extract a primary (impure) heavy mineral concentrate; (b) micropanned this concentrate to extract, count, measure and classify any contained gold grains; (c) sieved the fine, -0.063 mm silt + clay fraction from a subsample of each till sample and forwarded it to Actlabs Limited ("Actlabs") in Ancaster, Ontario, for geochemical analysis to check for possible chemically scavenged gold and elements that are not recoverable in heavy mineral concentrates due to the oxidized condition of the till and the high susceptibility of most sulphides to oxidation; and (d) interpreted the indicator mineral and geochemical data. Remy Huneault, P.Geo., supervised the sample processing. Michael Michaud and Stuart Averill interpreted the data and wrote the final report. David Hozjan, P.Geo. drafted the illustrations.

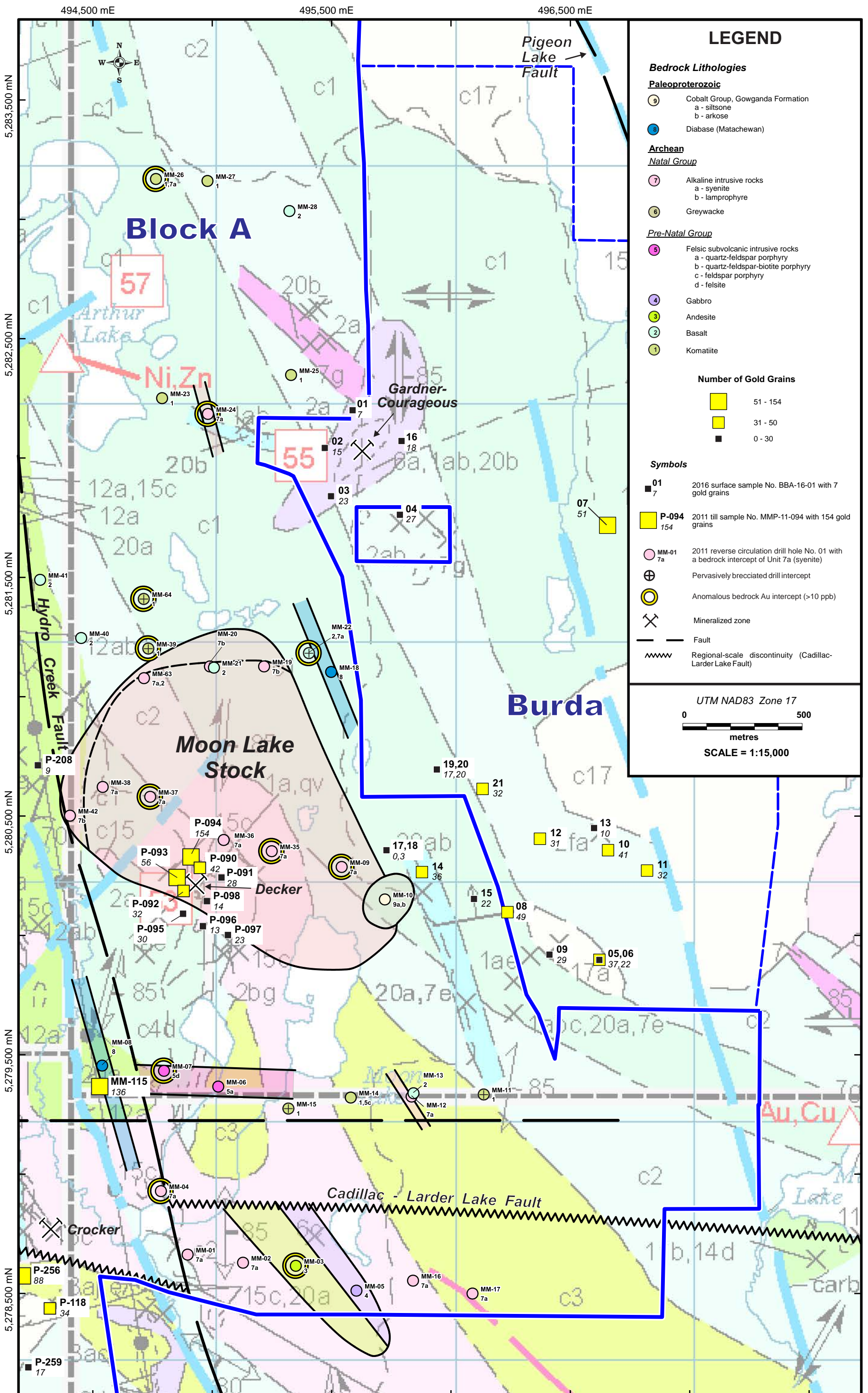


Figure 7 - Sample locations and distribution of gold grains in the till and sand and gravel samples in relation to the lithology of the underlying bedrock. The locations of the RC drill holes and surface samples from the 2011 campaign and known gold occurrences are also shown. See Figure 3 for the detailed bedrock lithology legend. Sources: Averill 2012, Johns 2003.

3.2

Field Procedures

The surface till sampling sites were preselected using topographic and geology maps, stereo air photos and satellite imagery, with the UTM coordinates digitized and loaded into GPS receivers. Actual pit locations were subject to adjustment in the field to ensure that high-quality subglacial till was sampled, if available, and new UTM coordinates were recorded for every site (Table 1). Where possible, pits were dug to a depth of approximately 1 m, using a hand shovel and grub-hoe, to reach the minimally oxidized C-horizon of the subglacial till.

All sample pits were logged, describing the sediment and soil type and character, sample interval, topography and the geology of the nearest rock outcrop (Appendix B). The same information was recorded on a modified logging form for the samples excavated from the trenches. The till excavated from the lower part of the pit was roughly hand screened on site at 8 mm to remove most of the large clasts. Approximately 12 kg of -8 mm material, along with a representative handful of the larger clasts, was packed in a heavy-duty, 30 x 50 cm plastic bag. The 12 kg sample size was based on ~10 kg of -2 mm matrix being required for indicator mineral processing and ~15 percent or 2 kg of the collected material being granules and small pebbles between 2 and 8 mm. The sample bag was labeled on both sides with the sample number and sealed with a cable tie. Two such samples were packed in a protective 20-litre plastic shipping pail with a secure lid. ODM transported the samples directly to its Ottawa processing laboratory.

The till samples were prefixed BBA-16 (for Burda/Block A, 2016) and were numbered consecutively from 01 to 21 in the sequence collected irrespective of whether they were collected on the Burda or Block A claims. All samples were placed in protective 20-litre shipping pails, capped with lids and delivered by the ODM field crew to ODM's laboratory in Nepean.

3.3

Sample Processing Procedures

The till samples were processed by ODM using the procedures shown in Figure 8 which are designed specifically for extracting gold grains and a suitable analytical fraction from samples of oxidized till collected at surface.

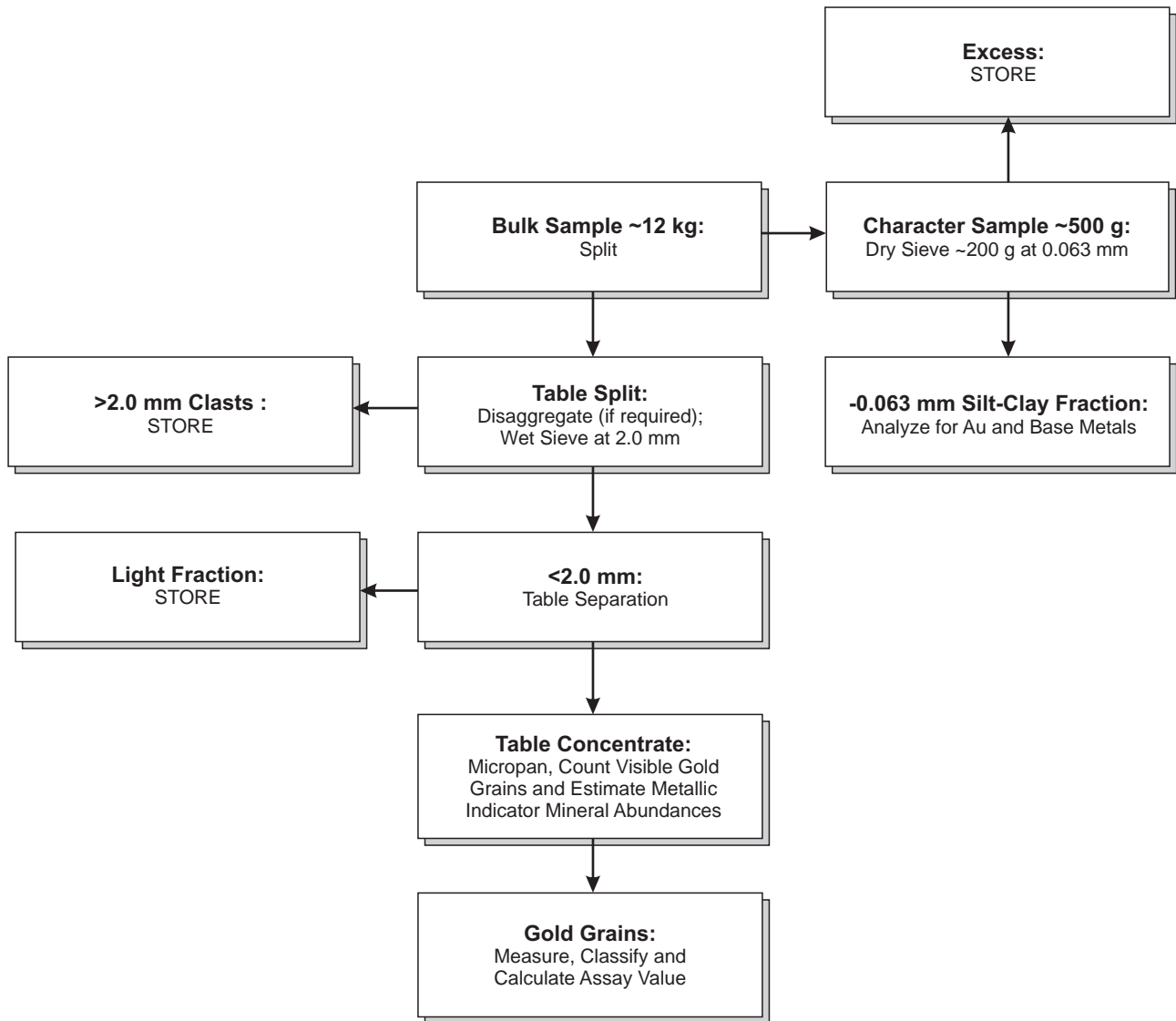


Figure 8 - Sample processing flow sheet for oxidized surface samples.

First, a representative 500 g split is removed from the sample and reserved for geochemical analysis. The remaining bulk sample material is wet screened at 2.0 mm and a -2.0 mm table concentrate is prepared. Geological observations on the character of the sample are made during both the screening and tabling operations (Appendix C). The table concentrate is purposely large (typically 300-400 g) and of low grade (10-25% heavy minerals) in order to achieve a high, 80 to 90 percent recovery rate for all desired heavy minerals irrespective of their grain size or relative specific gravity. The gold grains, which by nature are mostly silt-sized, are observed at this stage with the aid of micropanning and are counted, measured and classified (Appendix C) as to degree of wear (i.e. distance of glacial transport; Fig. 9). The relative abundances of any sulphides or similar indicator minerals or metallic contaminants are also estimated and the expected gold assay value of the contained gold grains is calculated (Appendix C).

3.4 Analytical Procedures

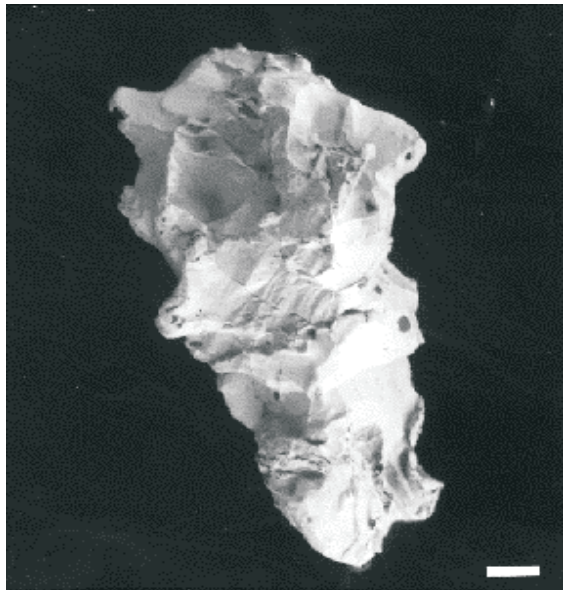
The sieved fines from the till samples were placed in two containers, a large vial and a small plastic bag, and submitted to Actlabs for geochemical analysis. The large vial, containing ~30 g of fines, was analyzed for a package of 35 elements by the instrumental neutron activation (“INA”) method with no milling or acid digestion. Of these 35 elements, Au and As are quantitative with suitable detection limits of 2 ppb and 0.5 ppm, respectively, but most of the others are either too qualitative to be useful or of limited exploration interest. A 1 g split from the plastic bag, which generally contained <30 g of fines, was analyzed quantitatively for a suite of elements other than Au and As that are commonly associated with gold and base metal deposits – namely Ag, Cu, Zn, Pb, Cd, Ni, Mo, Mn and S – by inductively coupled plasma/optical emission spectrometry (“ICP/OES”) following aqua regia acid digestion (“AR”). No milling was required prior to acid digestion due to the very fine particle size. Complete analyses for the till samples are presented in Appendix D.

3.5 Quality Control and Quality Assurance Measures

The two duplicate samples were used to check the consistency and robustness of both the mineral processing and analytical data. To ensure homogeneity, the parent and duplicate samples were collected from a single till pit by screening sufficient material for two samples into a pail and then placing alternate scoops into two consecutively numbered sample bags. The duplicate samples were processed and analyzed blindly in sequence with the parent samples.

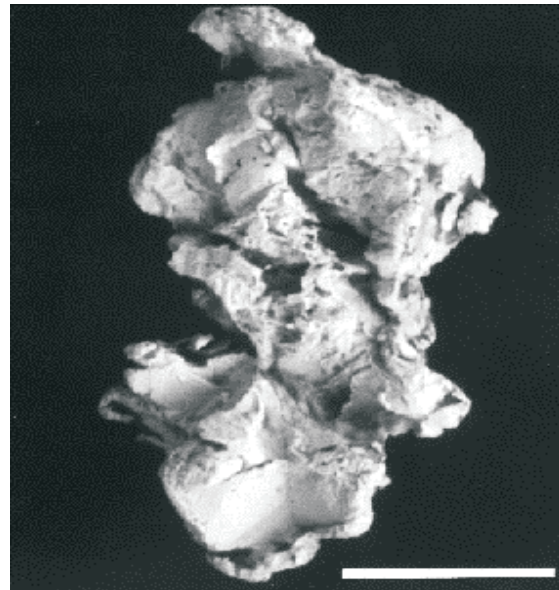
Till Gold Grain Morphology

Pristine



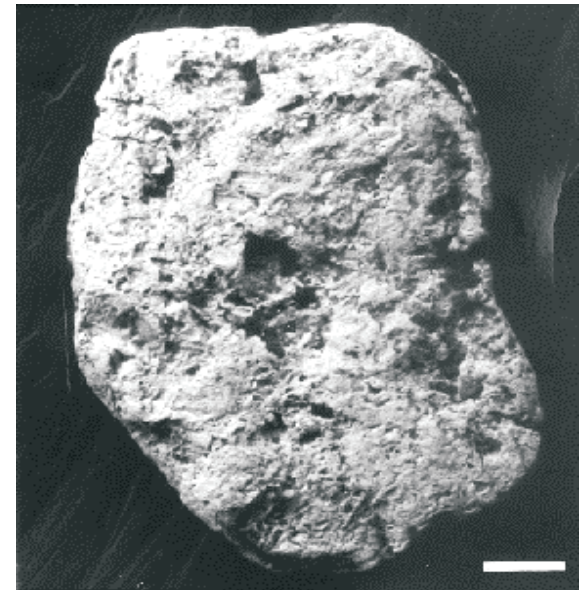
100 m

Modified



500 m

Reshaped



>1,000 to >10,000 m

Distance of Transport

Figure 9 - Backscatter electron images of gold grains from till illustrating the relationship between grain wear and distance of transport. The wear processes are compressional (infolding and compaction) and do not reduce the mass of the gold grain. Scale bars = 50 μm . Source: Averill (2001).

The gold grain counts obtained from both parent and duplicate sample pairs were very similar (Table 2), confirming that the mineral separations were consistent. Actlabs' INA analyses for Au and As and ICP analyses for Ag, Cu, Zn, Pb, Cd, Ni, Mo, Mn and S show negligible variability between the parent and duplicate samples (Table 2).

To further check Actlabs' analytical precision, two 30 g splits of the -0.063 mm fraction of a till standard was inserted in the analytical stream as Samples 01B and 12B (Appendix D). This standard is proprietary. It is ideal because: (a) being comprised of till, it is completely natural in appearance and thus impossible to distinguish from the actual project samples; (b) it contains significantly elevated but subanomalous levels of Au and most other elements of exploration interest; and (c) it is devoid of gold grains that could cause erratic spikes in the Au analyses. The gold analyses for the two ODM standards, <2 and 7 ppb, are within the acceptable range for the standard and the analyses for the other analyzed elements show little deviation and very good reproducibility giving a high degree of confidence in the analyses. Actlabs also used 3 internal standards and 1 blank sample in the INA analyses and 4 standards and 2 blanks in the ICP analyses (Appendix D).

In addition to using field duplicates and a till standard to monitor the quality of the indicator mineral data obtained from specific projects, ODM frequently performs blind tests to ensure that the recovery rates for all targeted minerals are consistently in the 80 to 90 percent range. Furthermore, both the quality of each heavy mineral separation and the overall mineralogy of the concentrate are visible at every stage of the concentration process, minimizing the potential for sample mix-ups, indicator mineral carryover between samples and other potential contamination issues. For example gold grains, which are the most important indicator mineral on many surveys, are more susceptible to inter-sample carryover than any other indicator mineral due to their very small size, but these grains are physically observed during the first stage of mineral concentration – tabling – and, if anomalous concentrations are present, blank samples are tabled and carefully inspected for gold grains before the next project sample is processed.

3.6

Costs

The cost of the 21-sample program, excluding charges associated with the excavator, was \$21,813.87 or \$1,038.76 per sample which is approximately 10 percent less than the budgeted costs of \$24,144.00. The program was cheaper than budgeted due to collecting and analyzing fewer samples.

| Sample Category | Sample Number | Weight (kg wet) | | | | No. of Gold Grains Recovered | Geochemical Analyses for the -0.063 mm Fraction | | | | | | | | | | |
|-----------------|---------------|-----------------|-------------|----------------|------------|------------------------------|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|
| | | Bulk Received | Table Split | +2.0 mm Clasts | Table Feed | | INA | | | ICP | | | | | | | |
| | | | | | | | Au (ppb) | As (ppm) | Ag (ppm) | Cu (ppm) | Zn (ppm) | Pb (ppm) | Cd (ppm) | Mo (ppm) | Ni (ppm) | Mn (ppm) | S (%) |
| Parent | BBA-16-05 | 11.8 | 11.3 | 3.0 | 8.3 | 37 | < 2 | 4.8 | < 0.2 | 27 | 15 | 5 | < 0.5 | < 2 | 43 | 140 | 0.013 |
| Duplicate | BBA-16-06 | 12.1 | 11.6 | 3.6 | 8.0 | 22 | < 2 | 5.3 | < 0.2 | 24 | 14 | 4 | < 0.5 | < 2 | 40 | 134 | 0.012 |
| Parent | BBA-16-19 | 12.4 | 11.9 | 4.7 | 7.2 | 17 | 6 | 8.8 | < 0.2 | 58 | 23 | 12 | < 0.5 | < 2 | 44 | 305 | 0.024 |
| Duplicate | BBA-16-20 | 12.2 | 11.7 | 4.2 | 7.5 | 20 | < 2 | 7.4 | < 0.2 | 49 | 21 | 11 | < 0.5 | < 2 | 41 | 274 | 0.021 |

Table 2 – Comparative weights, gold grain counts and geochemical analyses for the duplicate samples.



4.

RESULTS

4.1

Gardner – Courageous Area

As previously noted, the sample sites were spotted near outcrops that were expected to have a till veneer on bedrock as depicted by Alcock & Miller (2001; Fig. 4). However, field investigations revealed that till is only sporadically preserved in the Gardner – Courageous area. Instead: (a) the central and eastern parts of this area are mostly overlain with glaciolacustrine fine sand deposited directly on bedrock; and (b) the western part, including the stripped Gardner – Courageous showing, is overlain with high-energy, glaciofluvial sand and gravel (Fig. 10).

Six samples were collected in the Gardner – Courageous area; three of till, Nos. 04, 07 and 16, and three of sand and gravel, Nos. 01 to 03 (Fig. 4, Table 3). As demonstrated in the earlier RC drilling program (Averill 2012) sand and gravel are not a suitable sampling medium for gold exploration because they are coarse grained and approximately 90 percent of gold grains are silt sized (Averill 2001). The three gravel samples were collected only because no till was present near the Gardner – Courageous showing.

Till sample No. 07, collected ~1 km ESE of the Gardner – Courageous showing, yielded a moderately anomalous 51 gold grains which is the strongest gold grain response of the program (Table 3). However, all of the gold grains were reshaped or strongly modified indicating glacial transport of >1 km. A high proportion of the grains, 88 percent, are silt sized resulting in a low calculated HMC gold value of 490 ppb. Samples 04 and 16 were collected ~350 m southeast and ~100 m east of the Gardner – Courageous showing, respectively. These samples yielded only background levels of gold grain, 27 and 18 respectively, with most of the grains being reshaped.

Sand and gravel samples Nos. 01 to 03 yielded subanomalous concentrations of gold grains, 7, 15 and 23 grains, respectively (Table 3). As expected for sand and gravel, >87 percent of the grains were reshaped or modified indicating a long transport distance. The calculated HMC gold value for Sample 02 was the strongest reported for the program at 3988 ppb, however, 85 percent of the value comprises just three 0.15 to 0.3 mm gold grains reflecting the coarsely sorted texture of the gravel (Appendix C).



Figure 10 – High-energy, bouldery gravel from the stripped Gardner – Courageous showing.

| Sample Number | Classification | Number of Recovered Gold Grains | | | | Calculated Au Value of the Gold Grains (ppb) | Selected Geochemical Analyses | | | | | | | | | | | | |
|---------------|----------------|---------------------------------|----------|----------|----------|--|-------------------------------|------|-----------|-----|-----|-----|-----|------|-----|-----|------|-------|---|
| | | Total | Reshaped | Modified | Pristine | | Au-As Split | | ICP Split | | | | | | | | | | |
| | | | | | | | Au | As | Ag | Hg | Cu | Pb | Zn | Cd | Mo | Ni | Mn | S | |
| | | | | | | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| BBA-16-01 | Sand + Gravel | 7 | 5 | 2 | 0 | 84 | <2 | 8.5 | 0.2 | <1 | 46 | 10 | 49 | <0.5 | 2 | 15 | 307 | 0.038 | |
| BBA-16-02 | Sand + Gravel | 15 | 13 | 2 | 0 | 3988 | <2 | 10.9 | <0.2 | <1 | 21 | 6 | 25 | <0.5 | <2 | 29 | 219 | 0.02 | |
| BBA-16-03 | Sand + Gravel | 23 | 16 | 3 | 4 | 711 | 7 | 9.5 | <0.2 | <1 | 15 | 5 | 24 | <0.5 | <2 | 36 | 211 | 0.026 | |
| BBA-16-04 | Till | 27 | 19 | 3 | 5 | 83 | 9 | 11.3 | <0.2 | <1 | 49 | 8 | 19 | <0.5 | <2 | 48 | 249 | 0.015 | |
| BBA-16-05 | Till | 37 | 25 | 6 | 6 | 149 | <2 | 4.8 | <0.2 | <1 | 27 | 5 | 15 | <0.5 | <2 | 43 | 140 | 0.013 | |
| BBA-16-06 | Till | 22 | 17 | 4 | 1 | 116 | <2 | 5.3 | <0.2 | <1 | 24 | 4 | 14 | <0.5 | <2 | 40 | 134 | 0.012 | |
| BBA-16-07 | Till | 51 | 43 | 8 | 0 | 490 | <2 | 6.1 | <0.2 | <1 | 10 | 3 | 15 | <0.5 | <2 | 55 | 193 | 0.008 | |
| BBA-16-08 | Till | 49 | 31 | 16 | 2 | 82 | <2 | 15.5 | <0.2 | <1 | 81 | 5 | 504 | <0.5 | <2 | 417 | 186 | 0.015 | |
| BBA-16-09 | Till | 29 | 21 | 6 | 2 | 127 | <2 | 3.1 | <0.2 | <1 | 10 | 5 | 21 | <0.5 | <2 | 55 | 270 | 0.013 | |
| BBA-16-10 | Till | 41 | 29 | 11 | 1 | 245 | 9 | 4.8 | <0.2 | <1 | 17 | 5 | 17 | <0.5 | <2 | 48 | 147 | 0.012 | |
| BBA-16-11 | Till | 32 | 29 | 2 | 1 | 297 | <2 | 4.7 | <0.2 | <1 | 10 | 3 | 17 | <0.5 | <2 | 27 | 142 | 0.014 | |
| BBA-16-12 | Till | 31 | 29 | 2 | 0 | 103 | <2 | 4.5 | <0.2 | <1 | 13 | 4 | 16 | <0.5 | <2 | 55 | 190 | 0.007 | |
| BBA-16-13 | Till | 10 | 10 | 0 | 0 | 18 | <2 | 5.6 | <0.2 | <1 | 25 | 6 | 41 | <0.5 | <2 | 39 | 184 | 0.026 | |
| BBA-16-14 | Till | 36 | 25 | 9 | 2 | 413 | <2 | 4.7 | <0.2 | <1 | 8 | 3 | 14 | <0.5 | <2 | 28 | 182 | 0.007 | |
| BBA-16-15 | Till | 22 | 18 | 4 | 0 | 49 | <2 | 6.4 | <0.2 | <1 | 18 | 4 | 16 | <0.5 | <2 | 49 | 165 | 0.01 | |
| BBA-16-16 | Till | 18 | 17 | 1 | 0 | 276 | <2 | 5.9 | <0.2 | <1 | 13 | 4 | 19 | <0.5 | <2 | 44 | 183 | 0.011 | |
| BBA-16-17 | Sand + Gravel | 0 | 0 | 0 | 0 | 0 | <2 | 30.3 | <0.2 | <1 | 180 | 23 | 36 | <0.5 | 2 | 69 | 1040 | 0.015 | |
| BBA-16-18 | Sand + Gravel | 3 | 3 | 0 | 0 | 7 | <2 | 21.3 | <0.2 | <1 | 79 | 14 | 31 | <0.5 | <2 | 51 | 721 | 0.016 | |
| BBA-16-19 | Till | 17 | 16 | 1 | 0 | 208 | 6 | 8.8 | <0.2 | <1 | 58 | 12 | 23 | <0.5 | <2 | 44 | 305 | 0.024 | |
| BBA-16-20 | Till | 20 | 17 | 3 | 0 | 157 | <2 | 7.4 | <0.2 | <1 | 49 | 11 | 21 | <0.5 | <2 | 41 | 274 | 0.021 | |
| BBA-16-21 | Till | 32 | 31 | 0 | 1 | 65 | <2 | 6.3 | <0.2 | <1 | 14 | 6 | 15 | <0.5 | <2 | 29 | 154 | 0.015 | |

Table 3 – Summary of gold grain and geochemical data obtained from the till and gravel samples.

The Au analyses for the -0.063 mm fines from the six samples are mostly subanomalous with only two, Nos. 03 and 04, returning values above the 2 ppb detection limit – 7 and 9 ppb, respectively (Table 3). Both values are below the normal 10 ppb Au anomaly threshold and may simply reflect the statistical probability of one or two silt-sized grains from the normal background population reporting to the small -0.063 mm analytical aliquots when the samples were sieved. Arsenic and other elements of interest are subanomalous.

4.2 Area East of the Moon Lake Stock

Thirteen till – Nos. 05, 06, 08, 09, 10, 11, 12, 13, 14, 15, 19, 20, 21 – and two sand and gravel samples – Nos. 17 and 18 – were collected in the area east of the Moon Lake Stock (Figs. 4, 7). As previously noted, four of these samples were from two duplicate pairs – Nos. 05/06 and 19/20. The excavator was used to dig two trenches close to the Moon Lake esker with the objective of reaching till. The first trench only encountered gravel but the second trench exposed a thin till horizon in direct contact with bedrock. Samples 17 and 18 were collected successively downward through the gravel section in the first trench and duplicate till samples Nos. 19 and 20 were collected from the second trench.

Seven of the thirteen till samples, or 54 percent, yielded marginally anomalous gold grain counts. Sample 08 yielded the strongest concentration of gold grains in the area with 49 grains but 96 percent were reshaped and modified (Table 3). All of the gold grains in this sample are silt sized, consequently, the calculated HMC gold value is very low – just 82 ppb.

The -0.063 mm fines from only two of the till samples, Nos. 10 and 19, returned gold geochemical analyses above the detection limit – 9 and 6 ppb, respectively (Table 3) – but are not considered anomalous. Elevated As, Cu, Zn and Ni – 15.5, 81, 504 and 417 ppm, respectively – were reported for Sample 08 where the underlying bedrock consists of Ni-bearing komatiites (Fig. 7). The arsenic and copper analyses for the two esker gravel samples from the first backhoe trench, Nos. 17 and 18, which is underlain by the same komatiite horizon, are also elevated. Arsenic and other elements of interest in the other samples are subanomalous.

As previously explained, prior to the present program no definitive ice-flow indicators were available in the vicinity of the Burda and Block A properties. Due to recent logging and bush-road construction however, two tillite and mafic volcanic outcrops with unambiguous glacial striae have been exposed (Fig. 11). All striae on both outcrops trend 178°, establishing a definitive southward ice-flow direction.



Figure 11 – Glacial striae on tillite (a) and mafic volcanic (b) outcrops in the East Moon Lake survey area. Both sets of striae were measured at 178°.

5. CONCLUSIONS AND RECOMMENDATIONS

The objectives of the till sampling program were to: (1) determine whether two gold grain anomalies identified in the 2011 till sampling program on the adjoining Block A property to the west were derived from a bedrock source to the northeast near the Gardner – Courageous showing on the Burda property based on the suspected SSW ice-flow direction; and (2) test for new sources of gold in the area east of the gold-fertile Moon Lake Stock. Locating the source of the 2011 gold grain anomalies had previously been complicated by: (1) uncertainty as to whether the direction of ice flow was SSW or SSE; and (2) the frequent absence of till beneath the Moon Lake esker.

Till was also found to be only sporadically preserved in the Gardner – Courageous area. Instead, most of the area including the stripped Gardner – Courageous showing is overlain by fine outwash sand and esker gravel deposited directly on bedrock. As a result, only three till samples were collected. Sample 07 was moderately anomalous, yielding 51 gold grains, however, all the grains were reshaped or strongly modified indicating glacial transport of >1 km probably from an off-property source. The other two samples yielded subanomalous concentrations of gold grains. Three gravel samples were also collected but only because no till was present near the Gardner – Courageous showing. The -0.063 mm fines of two of the six samples returned gold geochemical analyses above the 2 ppb detection limit but both were below the 10 ppb anomaly threshold. Arsenic and other elements of interest were subanomalous. These negative results preclude derivation of the 2011 gold grain anomalies from the area of the Gardner – Courageous showing on the Burda property.

Of the thirteen till samples collected in the area east of the Moon Lake Stock, seven or 54 percent yielded gold grain counts slightly above the regional background of up to 30 grains but no significant gold grain anomalies were identified. Sample 08 yielded the most gold with 49 grains, but as in the Gardner – Courageous area most of the grains were reshaped and strongly modified indicating >1 km of glacial transport. The elevated counts probably reflect peaks in the high overall gold grain background of the Shining Tree district. Elevated As, Cu, Zn and Ni analyses in the -0.063 mm fines of Sample 08 and elevated As and Cu in the two gravel samples that were collected from one of the backhoe pits reflect the underlying Ni-bearing komatiites.

The two glacially striated outcrops that were discovered establish a definitive 178° or directly southward ice-flow trend. This indicates that the gold grains in the 2011 anomalies originated from within the Block A claims, not from the Burda claims. Averill (2016) proposed that the high frequency of anomalous drill intercepts in the earlier RC and diamond drill holes could indicate that: (a) the apparent gold grain dispersal at Hole 08 and/or the anomaly near the Decker Zone emanates from the northern contact of the Moon Lake Stock; or (b) the weak Decker anomalies could reflect this mineralization and the stronger Hole 08 anomaly could have a separate, more southerly source. This interpretation is compatible with the observed southward direction of ice flow.

If the 163-grain Hole 08 gold grain anomaly comprises part of a systematic dispersal train, as suggested by the 136-grain anomaly obtained nearby from surface till sample No. 115 (Fig. 4), the subanomalous till in three 2011 RC Holes, Nos. 37, 38 and 42, drilled 1.2 km directly to the north on the Moon Lake Stock represents a maximum up-ice cut-off of the train. Approximately 900 m up-ice of Hole 08 and 300 m down-ice of the cut-off is the inferred southwestern contact of the Moon Lake Stock with komatiitic volcanics (Fig. 7) west of the Decker showing. While the RC drilling showed that the zone of lamprophyre on the western margin of the stock is infertile, the southern contact was not tested in either the RC or subsequent diamond drilling programs and may be the source of the Hole 08 and Sample 115 gold grain anomalies. This would require that: (a) gold grain wear during glacial transport was relatively rapid as most of the grains are fully reshaped; and (b) the higher than normal proportion of sand-sized grains is due to the source mineralization being coarse grained, rather than to sorting by meltwater as proposed by Averill (2012). The weaker Decker anomaly may be derived from the northern contact of the stock which is a similar distance up-ice and yielded numerous weakly mineralized diamond drill intercepts.

Follow-up till sampling up-ice from Hole 08 would probably not be effective in tracing the anomaly to source due to the sparse preservation of till. Therefore, it is recommended that: (1) an induced polarization survey be conducted along the southern contact of the Moon Lake Stock between RC Hole 42 and the Decker Zone to locate possible zones of disseminated sulphides that could host significant gold mineralization; and (2) one or more diamond core holes be drilled to further test this contact.

* * * * *

6. CERTIFICATE –Michael D.J. Michaud

I, Michael D.J. Michaud, residing at 515 Pennycross Lane, Carp, Ontario hereby certify as follows:

That I attended the University of New Brunswick, at Fredericton, New Brunswick and graduated with a B.Sc. in Geology in 1994;

That I have worked continuously in the field of mineral exploration geology since 1995;

That I am a co-owner and consulting geologist of Overburden Drilling Management Limited, 107-15 Capella Court, Ottawa, Ontario;

That I am a Member of the Association of Professional Geoscientists of Ontario;

That this technical report is based on data gathered on the subject property by me and employees of Overburden Drilling Management Limited;

That I was personally involved in interpreting the data;

That I have no beneficial interest in the subject properties.

Michael D.J. Michaud, B.Sc., P.Geol.

Dated at Ottawa, Ontario this 28th day of November, 2016

7.

REFERENCES

- ALCOCK, P.W. & MILLER, M.J. 2001. *Quaternary geology, Shining Tree area*. Ontario Geological Survey, Map **M2654**.
- AVERILL, S.A. 2016. *Proposed follow-up till sampling on expanded Shining Tree property*. Unpublished proposal (email) prepared for Tim Young.
- AVERILL, S.A. 2012. *Reconnaissance till geochemistry and gold grain survey using surface sampling and reverse circulation drilling*. Unpublished report prepared for Mineral Mountain Resources Ltd.
- AVERILL, S.A. 2001. The application of heavy indicator mineralogy in mineral exploration with emphasis on base metal indicators in glaciated metamorphic and plutonic terrains. *In: McCLENAGHAN, M.B., BOBROWSKY, P.T., HALL, G.E.M. & COOK, S.J. (eds) Drift Exploration in Glaciated Terrains*. Geological Society, London, Special Publications, **185**, 69-81.
- AYER, J., AMELIN, Y., CORFU, F., KAMO, S., KETCHUM, J., KWOK, K. & TROWELL, N. 2002. Evolution of the southern Abitibi greenstone belt based on U-Pb geochronology: autochthonous volcanic construction followed by plutonism, regional deformation and sedimentation. *Precambrian Research*, **115**, 63-95.
- CARTER, M.W. 1987. *Geology of the Shining Tree area, districts of Sudbury and Timiskaming*. Ontario Geological Survey, Report **240**.
- DYKE, A.S. & PREST, V.K. 1987. *Paleogeography of northern North America, 18,000-5,000 years ago*. Geological Survey of Canada, Map **1703A**.
- JOHNS, G.W. 2003. *Precambrian geology, Shining Tree area*. Ontario Geological Survey, Preliminary Map **P.3521**.
- LINTNER, N. & KLEINBOECK, J. 2012. *Phase 5 diamond drilling program: Block A property – Hydro Creek, MacMurchy Township, Larder Lake Mining Division, Ontario, Canada*. Unpublished report prepared for Mineral Mountain Resources Ltd.
- MOORE, E.S. 1955. *Geology of the Miller Lake Portion of the Gowganda Silver Area*. Ontario Department of Mines, **64**.

Appendix A

Mineral Claims of the Burda and Block A Properties

| Property | Township / Area | Claim Number | Recording Date | Claim Due Date | Status | Percent Option |
|----------|-----------------|-------------------------|----------------|----------------|--------|----------------|
| Block A | KNIGHT | 1131021 | 1991-Jan-08 | 2018-Jan-08 | A | 70% |
| Block A | KNIGHT | 1131022 | 1991-Jan-08 | 2018-Jan-08 | A | 70% |
| Block A | KNIGHT | 1131035 | 1990-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | KNIGHT | 1131036 | 1990-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | KNIGHT | 1131037 | 1990-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | KNIGHT | 1131038 | 1990-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | KNIGHT | 1131041 | 1991-Jan-08 | 2018-Jan-08 | A | 70% |
| Block A | KNIGHT | 1131042 | 1991-Jan-08 | 2018-Jan-08 | A | 70% |
| Block A | KNIGHT | 1131043 | 1991-Jan-08 | 2018-Jan-08 | A | 70% |
| Block A | KNIGHT | 1131044 | 1991-Jan-08 | 2018-Jan-08 | A | 70% |
| Block A | KNIGHT | 1131046 | 1990-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | KNIGHT | 1131048 | 1990-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | KNIGHT | 1131049 | 1990-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | KNIGHT | 1131050 | 1990-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | KNIGHT | 1131051 | 1990-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | KNIGHT | 1131052 | 1990-Apr-05 | 2018-Apr-05 | A | 70% |
| Block A | KNIGHT | 1131053 | 1990-Apr-05 | 2018-Apr-05 | A | 70% |
| Block A | KNIGHT | 1131054 | 1990-Apr-05 | 2018-Apr-05 | A | 70% |
| Block A | KNIGHT | 1131055 | 1990-Apr-05 | 2018-Apr-05 | A | 70% |
| Block A | KNIGHT | 1131056 | 1990-Apr-05 | 2018-Apr-05 | A | 70% |
| Block A | KNIGHT | 1131057 | 1990-Apr-05 | 2018-Apr-05 | A | 70% |
| Block A | KNIGHT | 1131059 | 1990-Apr-05 | 2018-Apr-05 | A | 70% |
| Block A | KNIGHT | 1131070 | 1990-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | KNIGHT | 1131071 | 1990-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | KNIGHT | 1131073 | 1990-Apr-05 | 2018-Apr-05 | A | 70% |
| Block A | KNIGHT | 1131074 | 1990-Apr-05 | 2018-Apr-05 | A | 70% |
| Block A | KNIGHT | 1131075 | 1990-Apr-05 | 2018-Apr-05 | A | 70% |
| Block A | KNIGHT | 1131076 | 1990-Apr-05 | 2018-Apr-05 | A | 70% |
| Block A | KNIGHT | 1131077 | 1990-Apr-05 | 2018-Apr-05 | A | 70% |
| Block A | KNIGHT | 1131078 | 1990-Apr-05 | 2018-Apr-05 | A | 70% |
| Block A | KNIGHT | 1189822 | 1992-Jun-15 | 2018-Jun-15 | A | 70% |
| Block A | KNIGHT | 1189823 | 1992-Jun-15 | 2018-Jun-15 | A | 70% |
| Block A | KNIGHT | 1189824 | 1992-Jun-15 | 2018-Jun-15 | A | 70% |
| Block A | KNIGHT | 1189825 | 1992-Jun-15 | 2018-Jun-15 | A | 70% |
| Block A | KNIGHT | 1189826 | 1992-Jun-15 | 2018-Jun-15 | A | 70% |
| Block A | KNIGHT | 1189827 | 1992-Jun-15 | 2018-Jun-15 | A | 70% |
| Block A | KNIGHT | 1189828 | 1992-Jun-15 | 2018-Jun-15 | A | 70% |
| Block A | KNIGHT | 1193325 | 1994-Jan-25 | 2018-Jan-25 | A | 70% |
| Block A | KNIGHT | 1202743 | 1995-Mar-14 | 2018-Mar-14 | A | 70% |
| Block A | KNIGHT | 1203244 | 1995-Mar-14 | 2018-Mar-14 | A | 70% |
| Block A | KNIGHT | 1204629 | 1996-Sep-18 | 2018-Sep-18 | A | 70% |
| Block A | KNIGHT | 1219919 | 1996-Sep-23 | 2018-Jan-09 | A | 70% |
| Block A | KNIGHT | 1220378 | 1996-Sep-18 | 2018-Sep-18 | A | 70% |
| Block A | KNIGHT | 1221670 | 1996-Oct-23 | 2018-Jan-23 | A | 70% |
| Block A | KNIGHT | 1221681 | 1996-Oct-25 | 2018-Oct-25 | A | 70% |

| Property | Township / Area | Claim Number | Recording Date | Claim Due Date | Status | Percent Option |
|----------|-----------------|-------------------------|----------------|----------------|--------|----------------|
| Block A | KNIGHT | 1221682 | 1996-Oct-25 | 2018-Oct-25 | A | 70% |
| Block A | MACMURCHY | 1131940 | 1990-Apr-03 | 2018-Apr-03 | A | 70% |
| Block A | MACMURCHY | 1131941 | 1990-Apr-03 | 2018-Apr-03 | A | 70% |
| Block A | MACMURCHY | 1131942 | 1990-Apr-03 | 2018-Apr-03 | A | 70% |
| Block A | MACMURCHY | 1145897 | 1990-Apr-09 | 2018-Apr-09 | A | 70% |
| Block A | MACMURCHY | 1146533 | 1990-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | MACMURCHY | 1185697 | 1991-Dec-04 | 2018-Dec-04 | A | 70% |
| Block A | MACMURCHY | 1185723 | 1991-Dec-04 | 2018-Dec-04 | A | 70% |
| Block A | MACMURCHY | 1185816 | 1991-Dec-04 | 2018-Dec-04 | A | 70% |
| Block A | MACMURCHY | 1190912 | 1992-Sep-08 | 2018-Sep-08 | A | 70% |
| Block A | MACMURCHY | 1190916 | 1993-Jun-15 | 2018-Jun-15 | A | 70% |
| Block A | MACMURCHY | 1200167 | 1993-Dec-08 | 2018-Dec-08 | A | 70% |
| Block A | MACMURCHY | 1200824 | 1993-Dec-08 | 2018-Dec-08 | A | 70% |
| Block A | MACMURCHY | 1200825 | 1993-Dec-08 | 2018-Dec-08 | A | 70% |
| Block A | MACMURCHY | 1201534 | 1995-Feb-06 | 2018-Feb-06 | A | 70% |
| Block A | MACMURCHY | 1202537 | 1994-Mar-29 | 2018-Mar-29 | A | 70% |
| Block A | MACMURCHY | 1202562 | 1994-Apr-15 | 2018-Apr-15 | A | 70% |
| Block A | MACMURCHY | 1204265 | 1994-Nov-22 | 2018-Nov-22 | A | 70% |
| Block A | MACMURCHY | 1204266 | 1994-Nov-22 | 2018-Nov-22 | A | 70% |
| Block A | MACMURCHY | 1204267 | 1994-Nov-22 | 2018-Nov-22 | A | 70% |
| Block A | MACMURCHY | 1229049 | 1997-Sep-08 | 2018-Sep-08 | A | 70% |
| Block A | MACMURCHY | 1236486 | 1999-Jun-04 | 2018-Jun-04 | A | 70% |
| Block A | MACMURCHY | 1239106 | 2000-Mar-29 | 2018-Mar-29 | A | 70% |
| Block A | MACMURCHY | 1239330 | 2000-Mar-06 | 2018-Mar-06 | A | 70% |
| Block A | MACMURCHY | 1239331 | 2000-Mar-06 | 2018-Mar-06 | A | 70% |
| Block A | MACMURCHY | 1239332 | 2000-Mar-29 | 2018-Mar-29 | A | 70% |
| Block A | MACMURCHY | 1239333 | 2000-Mar-29 | 2018-Mar-29 | A | 70% |
| Block A | MACMURCHY | 1240182 | 2000-Apr-17 | 2018-Apr-17 | A | 70% |
| Block A | MACMURCHY | 1242397 | 2001-Feb-05 | 2018-Feb-05 | A | 70% |
| Block A | MACMURCHY | 3014503 | 2004-Aug-30 | 2018-Aug-30 | A | 70% |
| Block A | MACMURCHY | 4206254 | 2005-Mar-31 | 2018-Mar-31 | A | 70% |
| Block A | MACMURCHY | 4206255 | 2005-Mar-31 | 2018-Mar-31 | A | 70% |
| Block A | MACMURCHY | 4206256 | 2005-Mar-31 | 2018-Mar-31 | A | 70% |
| Block A | MACMURCHY | 4206258 | 2005-Mar-31 | 2018-Mar-31 | A | 70% |
| Block A | MACMURCHY | 4208278 | 2006-Sep-26 | 2018-Sep-26 | A | 70% |
| Block A | MACMURCHY | 4208300 | 2006-Apr-13 | 2018-Apr-13 | A | 70% |
| Block A | MACMURCHY | 4209657 | 2006-Feb-23 | 2018-Feb-23 | A | 70% |
| Block A | MACMURCHY | 4209658 | 2006-Feb-23 | 2018-Feb-23 | A | 70% |
| Block A | NATAL | 1094977 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1094978 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1094979 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1094980 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1094981 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1094982 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1094983 | 1990-Oct-12 | 2018-Oct-12 | A | 70% |

| Property | Township / Area | Claim Number | Recording Date | Claim Due Date | Status | Percent Option |
|----------|-----------------|-------------------------|----------------|----------------|--------|----------------|
| Block A | NATAL | 1094984 | 1990-Oct-12 | 2018-Oct-12 | A | 70% |
| Block A | NATAL | 1094985 | 1990-Oct-12 | 2018-Oct-12 | A | 70% |
| Block A | NATAL | 1094986 | 1990-Oct-12 | 2018-Oct-12 | A | 70% |
| Block A | NATAL | 1131023 | 1991-Jan-08 | 2018-Jan-08 | A | 70% |
| Block A | NATAL | 1131024 | 1991-Jan-08 | 2018-Jan-08 | A | 70% |
| Block A | NATAL | 1131025 | 1991-Jan-08 | 2018-Jan-08 | A | 70% |
| Block A | NATAL | 1131026 | 1991-Jan-08 | 2018-Jan-08 | A | 70% |
| Block A | NATAL | 1131027 | 1991-Jan-08 | 2018-Jan-08 | A | 70% |
| Block A | NATAL | 1131028 | 1991-Jan-08 | 2018-Jan-08 | A | 70% |
| Block A | NATAL | 1131029 | 1991-Jan-08 | 2018-Jan-08 | A | 70% |
| Block A | NATAL | 1131033 | 1991-Jan-08 | 2018-Jan-08 | A | 70% |
| Block A | NATAL | 1131039 | 1990-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | NATAL | 1131040 | 1990-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | NATAL | 1131047 | 1990-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | NATAL | 1131072 | 1990-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | NATAL | 1131079 | 1990-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | NATAL | 1133929 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1133930 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1133931 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1133932 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1133933 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1133934 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1133935 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1133936 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1133937 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1133938 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1134039 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1134040 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1134041 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1134042 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1134043 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1134044 | 1990-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | NATAL | 1134045 | 1990-Aug-31 | 2018-Aug-31 | A | 70% |
| Block A | NATAL | 1134046 | 1990-Aug-31 | 2018-Aug-31 | A | 70% |
| Block A | NATAL | 1134047 | 1990-Oct-12 | 2018-Oct-12 | A | 70% |
| Block A | NATAL | 1134048 | 1990-Oct-12 | 2018-Oct-12 | A | 70% |
| Block A | NATAL | 1189056 | 1992-Mar-27 | 2018-Mar-27 | A | 70% |
| Block A | NATAL | 1189829 | 1992-Jun-26 | 2018-Jun-26 | A | 70% |
| Block A | NATAL | 1189830 | 1992-Jun-26 | 2018-Jun-26 | A | 70% |
| Block A | NATAL | 1193300 | 1993-Dec-21 | 2018-Dec-21 | A | 70% |
| Block A | NATAL | 1193301 | 1994-Jan-17 | 2018-Jan-17 | A | 70% |
| Block A | NATAL | 1193302 | 1994-Jan-17 | 2018-Jan-17 | A | 70% |
| Block A | NATAL | 1193304 | 1994-Jan-17 | 2018-Jan-17 | A | 70% |
| Block A | NATAL | 1193322 | 1994-Jan-25 | 2018-Jan-25 | A | 70% |
| Block A | NATAL | 1193323 | 1994-Jan-25 | 2018-Jan-25 | A | 70% |

| Property | Township / Area | Claim Number | Recording Date | Claim Due Date | Status | Percent Option |
|--------------|-----------------|-------------------------|----------------|----------------|--------|----------------|
| Block A | NATAL | 1193324 | 1994-Jan-25 | 2018-Jan-25 | A | 70% |
| Block A | NATAL | 1202484 | 1994-Feb-21 | 2018-Feb-21 | A | 70% |
| Block A | NATAL | 4216699 | 2007-Oct-19 | 2018-Oct-19 | A | 70% |
| Block A | NATAL | 4248232 | 2010-Apr-26 | 2018-Apr-26 | A | 70% |
| Block A | NATAL | 496696 | 1978-Jan-31 | 2018-Jun-01 | A | 70% |
| Block A | TYRRELL | 1145916 | 1990-Apr-03 | 2018-Apr-03 | A | 70% |
| Block A | TYRRELL | 1146422 | 1990-Apr-04 | 2018-Apr-04 | A | 70% |
| Block A | TYRRELL | 1179361 | 1992-Sep-08 | 2018-Sep-08 | A | 70% |
| Block A | TYRRELL | 1190913 | 1992-Sep-08 | 2018-Sep-08 | A | 70% |
| Block A | TYRRELL | 1190914 | 1992-Sep-08 | 2018-Sep-08 | A | 70% |
| Block A | TYRRELL | 1193848 | 1996-Sep-18 | 2018-Sep-18 | A | 70% |
| Block A | TYRRELL | 1202771 | 1998-Apr-06 | 2018-Apr-06 | A | 70% |
| Block A | TYRRELL | 1219994 | 1996-Sep-18 | 2018-Sep-18 | A | 70% |
| Block A | TYRRELL | 1219995 | 1996-Sep-18 | 2018-Sep-18 | A | 70% |
| Block A | TYRRELL | 1239334 | 2000-Mar-29 | 2018-Mar-29 | A | 70% |
| Block A | TYRRELL | 1239335 | 2000-Apr-10 | 2018-Apr-10 | A | 70% |
| Block A | TYRRELL | 4208286 | 2006-Apr-13 | 2018-Apr-13 | A | 70% |
| Block A | TYRRELL | 4208287 | 2006-Apr-13 | 2018-Apr-13 | A | 70% |
| Block A | TYRRELL | 4208289 | 2006-May-10 | 2018-May-10 | A | 70% |
| Block A | TYRRELL | 4210476 | 2007-May-18 | 2018-May-18 | A | 70% |
| Tyrell | TYRRELL | 1076738 | 2001-Jul-16 | 2017-Jul-16 | A | 100% |
| Tyrell | TYRRELL | 1076741 | 2001-Aug-03 | 2017-Aug-03 | A | 100% |
| Tyrell | TYRRELL | 1156484 | 2001-Jun-13 | 2017-Jun-13 | A | 100% |
| Tyrell | TYRRELL | 1227282 | 2001-Apr-05 | 2018-Apr-05 | A | 100% |
| Tyrell | TYRRELL | 3008986 | 2004-Mar-22 | 2019-Mar-22 | A | 100% |
| Tyrell | TYRRELL | 4245722 | 2008-Oct-06 | 2017-Oct-06 | A | 100% |
| Burda Option | KNIGHT | 1220092 | 1996-Sep-17 | 2017-Sep-17 | A | 100% |
| Burda Option | KNIGHT | 1220094 | 1996-Sep-17 | 2017-Sep-17 | A | 100% |
| Burda Option | KNIGHT | 1220095 | 1996-Sep-17 | 2018-Oct-24 | A | 100% |
| Burda Option | KNIGHT | 1220372 | 1996-Sep-18 | 2018-Sep-18 | A | 100% |
| Burda Option | KNIGHT | 1220373 | 1996-Sep-18 | 2017-Sep-18 | A | 100% |
| Burda Option | KNIGHT | 1220374 | 1996-Sep-18 | 2017-Sep-18 | A | 100% |
| Burda Option | KNIGHT | 1220375 | 1996-Sep-18 | 2017-Sep-18 | A | 100% |
| Burda Option | KNIGHT | 1220376 | 1996-Sep-18 | 2018-Sep-18 | A | 100% |
| Burda Option | KNIGHT | 1220377 | 1996-Sep-18 | 2017-Sep-18 | A | 100% |
| Burda Option | KNIGHT | 1221717 | 1996-Sep-17 | 2018-Sep-17 | A | 100% |
| Burda Option | KNIGHT | 1221718 | 1996-Sep-17 | 2018-Sep-17 | A | 100% |
| Burda Option | KNIGHT | 1221719 | 1996-Sep-17 | 2018-Oct-24 | A | 100% |
| Burda Option | KNIGHT | 1221720 | 1996-Sep-17 | 2018-Sep-17 | A | 100% |
| Burda Option | KNIGHT | 4247571 | 2009-Apr-03 | 2019-Apr-03 | A | 100% |
| Burda Option | KNIGHT | 4251937 | 2009-Oct-27 | 2018-Oct-27 | A | 100% |
| Burda Option | KNIGHT | 4257829 | 2010-Nov-26 | 2017-Nov-26 | A | 100% |
| Burda Option | KNIGHT | 4258963 | 2010-Oct-29 | 2017-Oct-29 | A | 100% |
| Burda Option | KNIGHT | 4270959 | 2012-Jul-13 | 2017-Jul-13 | A | 100% |
| Burda Option | KNIGHT | 4283642 | 2015-Mar-18 | 2018-Mar-18 | A | 100% |

Appendix B

Field Descriptions of the Till Sample Sites

OVERBURDEN DRILLING MANAGEMENT LIMITED

FIELD PIT SAMPLING LOG

PROJECT: Barda Option / Block A SAMPLE NO.: BBA-16-001 COLLECTED BY: M. MICHAUD DATE: August 17/2016

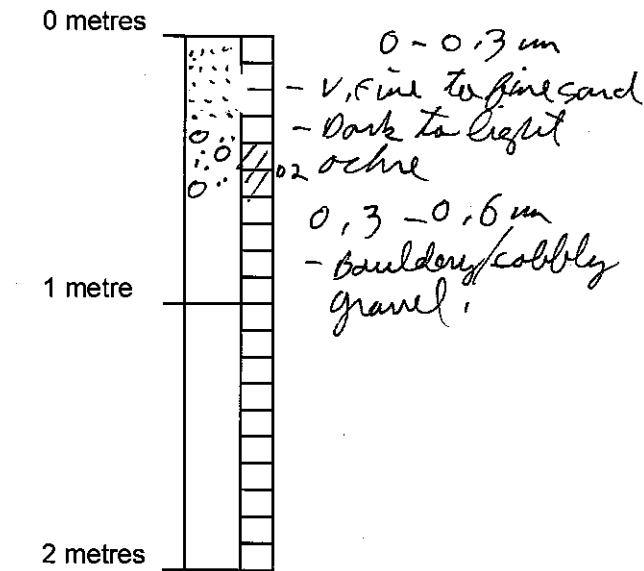
| LOCATION | SURFICIAL GEOLOGY | SAMPLE MATERIAL |
|--|---|---|
| NTS map no. _____ | Topography <u>Flat lying.</u> | Classification <u>Gravel</u> |
| Geology map no. _____ | _____ | Structure <u>Loose sandy gravel lodged between boulders</u> |
| Airphoto no. _____ | Surficial material <u>Bouldery gravel</u> | _____ |
| UTM co-ord. <u>0495588</u> E | _____ | _____ |
| (zone <u>17</u>) <u>5282203</u> N | _____ | _____ |
| Ice distance to outcrop _____ | Section/Sample Interval | Clasts: Size range <u>2 - 30 cm</u> |
| Outcrop geology _____ | <u>Boulders at surface.</u> | % of sample <u>80%</u> |
| Shovel pit <input checked="" type="checkbox"/> | <u>0 - 0.1 m - organics</u> | Shape <u>Rounded.</u> |
| Road cut _____ | <u>0 - 0.2</u> | Lithology <u>80% Vol. 20% granitoids</u> |
| Other exposure _____ | <u>V. Fine sand + A-horizon soil.</u> | Matrix: % of sample <u>20%</u> |
| Est. OB thickness <u>41 m</u> | <u>ochre.</u> | Colour <u>Ochre</u> |
| Additional notes <u>Very difficult digging due to numerous boulders.</u> | <u>0.2 - 0.4</u> | Grain size class <u>Medium to coarse sand.</u> |
| <u>Site 504</u> | | |



**OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG**

PROJECT: BURNA OPTION/BLOCK A SAMPLE NO.: BBA-16-02 COLLECTED BY: M. MICHAUD DATE: Aug 17/2016

| LOCATION | | SURFICIAL GEOLOGY | | SAMPLE MATERIAL | |
|----------------------------------|--------------------------------------|-------------------------|--|------------------------|---|
| NTS map no. | _____ | Topography | <u>GENERALLY FLAT Lying</u> | Classification | <u>Gravel</u> |
| Geology map no. | _____ | | _____ | Structure | <u>Cobbly to bouldery gravel. Loose Matrix between cobbles & Boulders</u> |
| Airphoto no. | _____ | Surficial material | <u>V. Fine to fine glaciofluvial sand.</u> | | _____ |
| UTM co-ord. (zone <u>17</u>) | <u>0495472 E</u> <u>5282045 N</u> | Section/Sample Interval | | Clasts: Size range | <u>2 - 20 cm</u> |
| Ice distance to outcrop | _____ | | | % of sample | <u>30%</u> |
| Outcrop geology | _____ | | | Shape | <u>Rounded</u> |
| Shovel pit | <input checked="" type="checkbox"/> | | | Lithology | <u>80% Vol 20% Gravels</u> |
| Road cut | _____ | | | Matrix: % of sample | <u>70%</u> |
| Other exposure | _____ | | | Colour | <u>ochre</u> |
| Est. OB thickness | <u>1 m</u> | | | Grain size class | <u>Med-coarse sand</u> |
| Additional notes | <u>UNDER OVERTURNED TREE</u> | | | | |
| | <u>Site 510</u> | | | | |
| | _____ | | | | |
| | _____ | | | | |
| | _____ | | | | |

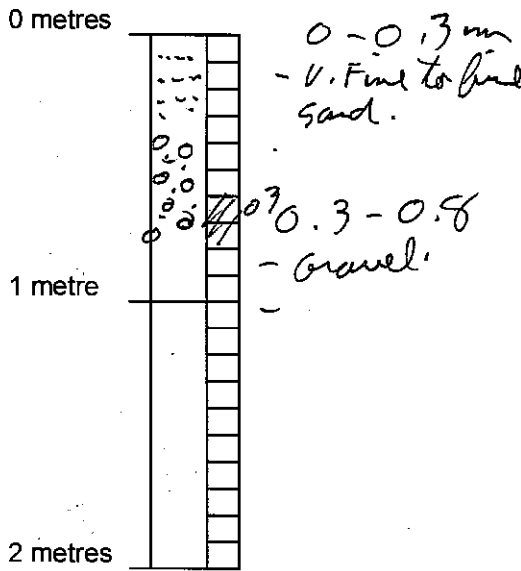




OVERBURDEN DRILLING MANAGEMENT LIMITED

FIELD PIT SAMPLING LOG

PROJECT: BURDA OPTION/BLOCK A SAMPLE NO.: BBA-16-03 COLLECTED BY: M. MICHAUD DATE: Aug 17/2016

| LOCATION | SURFICIAL GEOLOGY | SAMPLE MATERIAL |
|--|---|--|
| NTS map no. _____ | Topography _____ <u>North facing slope.</u> | Classification <u>Sand & gravel.</u> |
| Geology map no. _____ | _____ | Structure <u>Loose matrix</u> <u>between cobbles.</u> |
| Airphoto no. _____ | _____ | _____ |
| UTM co-ord. <u>0495 496</u> E | Surficial material <u>blaciopluvial</u> <u>V. fine to fine sand.</u> | _____ |
| (zone <u>528 184</u>) N | _____ | _____ |
| Ice distance to outcrop _____ | Section/Sample Interval | Clasts: Size range <u>2 cm -> 30 cm.</u> |
| Outcrop geology _____ | _____ | % of sample <u>20%</u> |
| Shovel pit _____ | 0 metres _____ | Shape <u>rounded.</u> |
| Road cut <input checked="" type="checkbox"/> |  | Lithology <u>80% Vol.</u> <u>20% boulders</u> |
| Other exposure _____ | 1 metre _____ | Matrix: % of sample <u>80%</u> |
| Est. OB thickness <u>1 m.</u> | _____ | Colour <u>Light olive.</u> |
| Additional notes <u>Road cut south</u> <u>of site 11.</u> | 2 metres _____ | Grain size class <u>Med-coarse sand.</u> |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |



**OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG**

PROJECT: Bunder Option / Block A SAMPLE NO.: BQA-16-04 COLLECTED BY: M. MICHAUD DATE: Aug 18 / 2016

| LOCATION | | SURFICIAL GEOLOGY | | SAMPLE MATERIAL | |
|----------------------------------|---|-------------------------|---|------------------------|---|
| NTS map no. | | Topography | <u>bottom east-facing outcrop slope</u> | Classification | <u>Till</u> |
| Geology map no. | | | | Structure | <u>compact clast supported, cobbly.</u> |
| Airphoto no. | | Surficial material | <u>Fine sand</u> | | |
| UTM co-ord. (zone <u>17</u>) | <u>0495 786</u> E <u>528 1765</u> N | Section/Sample Interval | | Clasts: Size range | <u>2 - 10 cm</u> |
| Ice distance to outcrop | <u>site 20-30m east.</u> | | | % of sample | <u>10</u> |
| Outcrop geology | | | | Shape | <u>angular</u> |
| Shovel pit | <input checked="" type="checkbox"/> | | | Lithology | <u>90% vol. 10% granitoid.</u> |
| Road cut | | | | Matrix: % of sample | <u>90</u> |
| Other exposure | | | | Colour | <u>light ochre</u> |
| Est. OB thickness | <u>41 m</u> | | | Grain size class | <u>silt + fine sand.</u> |
| Additional notes | <u>Under over-turned tree between sites 12 & 13</u> | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

0 metres

1 metre

2 metres

0-0.2
- A horizon soil + fine sand

0.2-0.6m
Till
- unsorted
- classic till



OVERBURDEN DRILLING MANAGEMENT LIMITED

FIELD PIT SAMPLING LOG

PROJECT: Boulder Option/Block A SAMPLE NO.: BBA-16-05,06 COLLECTED BY: M. MICHAUD DATE: Aug 18/2016

| LOCATION | SURFICIAL GEOLOGY | SAMPLE MATERIAL |
|--|---|---|
| NTS map no. _____ | Topography <u>Top of south-facing slope</u> | Classification <u>Till</u> |
| Geology map no. _____ | | Structure <u>Matrix supported compact till</u> |
| Airphoto no. _____ | | |
| UTM co-ord. <u>0496622</u> E | Surficial material <u>Very fine sand</u> | |
| (zone <u>17</u>) <u>5279901</u> N | | |
| Ice distance to outcrop _____ | Section/Sample Interval | Clasts: Size range <u>2-10cm</u> |
| Outcrop geology _____ | | % of sample <u>10%</u> |
| Shovel pit <input checked="" type="checkbox"/> | 0 metres | Shape <u>Angular</u> |
| Road cut _____ | | Lithology <u>95% Vol. - 5% granitoids</u> |
| Other exposure _____ | | <u>0-0.4 m</u> <u>- v. fine - fine sand</u> <u>- org. to 0.2 m</u> <u>- med. ochre.</u> <u>0.4-0.6 m</u> <u>- Till -</u> <u>- matrix supported.</u> |
| Est. OB thickness <u>42 m</u> | 1 metre | Colour <u>light ochre.</u> |
| Additional notes <u>Duplicate sample</u> | 2 metres | Grain size class <u>silt & fine sand.</u> |
| <u>BBA-16-06 collected</u> | | |
| <u>at this site.</u> | | |



**OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG**

PROJECT:

Bandu Option / Block A . SAMPLE NO.: BBA16-07 COLLECTED BY: M. MICHAUD DATE: Aug 19/2016

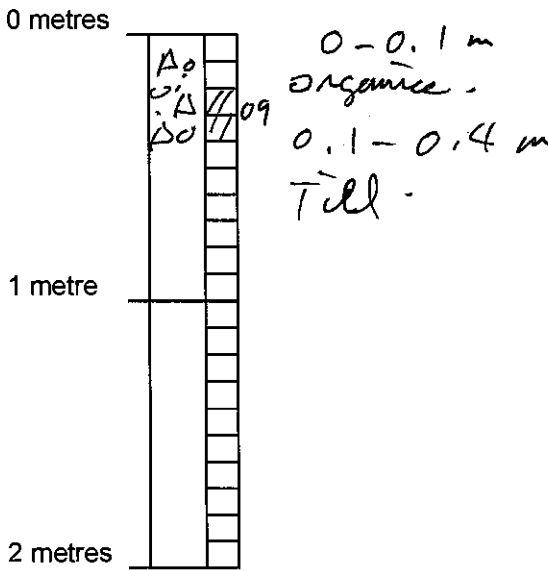
| LOCATION | SURFICIAL GEOLOGY | SAMPLE MATERIAL |
|---|---|--|
| NTS map no. _____ | Topography <u>Very shallow, south-facing slope.</u> | Classification <u>Till</u> |
| Geology map no. _____ | _____ | Structure <u>Compact, matrix supported till.</u> |
| Airphoto no. _____ | _____ | _____ |
| UTM co-ord. <u>0496656</u> E | Surficial material <u>V. Fine - Fine sand</u> | _____ |
| (zone <u>17</u>) <u>5281720</u> N | _____ | Clasts: Size range <u>2-10cm.</u> |
| Ice distance to outcrop <u>UNKNOWN.</u> | Section/Sample Interval | % of sample <u>15%</u> |
| Outcrop geology _____ | 0 metres | Shape <u>Angular</u> |
| Shovel pit <u>✓</u> | | Lithology <u>100% Vol.</u> |
| Road cut _____ | 1 metre | Matrix: % of sample <u>85%</u> |
| Other exposure _____ | 2 metres | Colour <u>Light ochre.</u> |
| Est. OB thickness <u>~2m</u> | _____ | Grain size class <u>silt + fine sand.</u> |
| Additional notes <u>Site #19</u> | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |



OVERBURDEN DRILLING MANAGEMENT LIMITED

FIELD PIT SAMPLING LOG

PROJECT: Burda Option/Block A SAMPLE NO.: BBA-16-09 COLLECTED BY: M. MICHAUD DATE: Aug 19/2016

| LOCATION | SURFICIAL GEOLOGY | SAMPLE MATERIAL |
|--|---|---|
| NTS map no. _____ | Topography <u>Generally flat lying</u> | Classification <u>Till</u> |
| Geology map no. _____ | _____ | Structure <u>Compact, matrix supported, cobbly.</u> |
| Airphoto no. _____ | Surficial material <u>Till</u> | _____ |
| UTM co-ord. <u>0496413</u> E | _____ | Clasts: Size range <u>2-20%</u> |
| (zone <u>17</u>) <u>5279923</u> N | Section/Sample Interval | % of sample <u>10%</u> |
| Ice distance to outcrop <u>Site 30m SW</u> | 0 metres | Shape <u>Sub-angular.</u> |
| Outcrop geology <u>Tillite</u> |  | Lithology <u>100% Vol.</u> |
| Shovel pit <input checked="" type="checkbox"/> | 1 metre | Matrix: % of sample <u>90%</u> |
| Road cut <input checked="" type="checkbox"/> | _____ | Colour <u>Light ochre.</u> |
| Other exposure _____ | _____ | Grain size class <u>silt & fine sand.</u> |
| Est. OB thickness _____ | _____ | _____ |
| Additional notes <u>Site 25</u> | 2 metres | _____ |
| <u>Pit is on North side of road.</u> | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

**OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG**

PROJECT: Bunder Option/Block A SAMPLE NO.: BBA-16-10 COLLECTED BY: M. MICHAUD DATE: Aug 19/2016

| LOCATION | | SURFICIAL GEOLOGY | | SAMPLE MATERIAL | |
|----------------------------------|--------------------------------------|-------------------------|---|------------------------|----------------------------------|
| NTS map no. | _____ | Topography | <u>Half way down a gentle East-Facing slope</u> | Classification | <u>Till</u> |
| Geology map no. | _____ | | _____ | Structure | <u>Compact, Matrix supported</u> |
| Airphoto no. | _____ | Surficial material | <u>Till.</u> | | _____ |
| UTM co-ord. (zone <u>17</u>) | <u>0496658</u> E <u>5280360</u> N | Section/Sample Interval | | Clasts: Size range | <u>2 - 50 cm</u> |
| Ice distance to outcrop | <u>NA.</u> | | | % of sample | <u>15%</u> |
| Outcrop geology | <u>Volcanic</u> | | | Shape | <u>Angular</u> |
| Shovel pit | <input checked="" type="checkbox"/> | | | Lithology | <u>100% Volcanic.</u> |
| Road cut | _____ | | | Matrix: % of sample | <u>85%</u> |
| Other exposure | _____ | | | Colour | <u>Light ochre.</u> |
| Est. OB thickness | <u>0.6 m</u> | | | Grain size class | <u>silt + fine sand</u> |
| Additional notes | <u>Site # 19</u> | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

0 metres

1 metre

2 metres

0-0.1
Organics

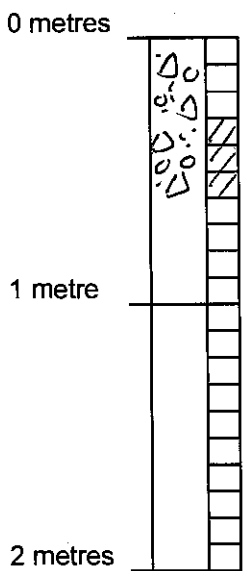
0.1-0.6
Till.

0.6 m - Volcanic
Bedrock.



**OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG**

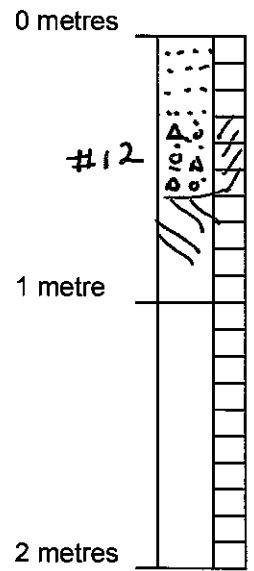
PROJECT: Banda Optron / Block A SAMPLE NO.: BBA-16-11 COLLECTED BY: M. Michaud DATE: Aug 19 / 2016

| LOCATION | SURFICIAL GEOLOGY | SAMPLE MATERIAL |
|--|---|---|
| NTS map no. _____ | Topography <u>Half way down</u> <u>west facing slope</u> | Classification <u>Till</u> |
| Geology map no. _____ | _____ | Structure <u>Compact, matrix supported,</u> |
| Airphoto no. _____ | _____ | _____ |
| UTM co-ord. <u>0496821</u> E | Surficial material <u>Till</u> | _____ |
| (zone <u>17</u>) <u>5280274</u> N | _____ | Clasts: Size range <u>2 - 10 cm.</u> |
| Ice distance to outcrop <u>SITE 20m EAST</u> | Section/Sample Interval | % of sample <u>5%</u> |
| Outcrop geology <u>VOLCANICS</u> | 0 metres | Shape <u>Angular</u> |
| Shovel pit <u>✓</u> |  | Lithology <u>100% Volcanics</u> |
| Road cut _____ | 1 metre | Matrix: % of sample <u>95%</u> |
| Other exposure _____ | 2 metres | Colour <u>Light ochre.</u> |
| Est. OB thickness <u>< 1m</u> | _____ | Grain size class <u>silt & fine sand.</u> |
| Additional notes <u>Site #20</u> | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |



**OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG**

PROJECT: Burda Option / Block A SAMPLE NO.: BBA-16-12 COLLECTED BY: M. MICHAUD DATE: Aug 20/2016

| LOCATION | SURFICIAL GEOLOGY | SAMPLE MATERIAL |
|--|---|--|
| NTS map no. _____ | Topography <u>Top of 3m high bedrock knob.</u> | Classification <u>Till</u> |
| Geology map no. _____ | _____ | Structure <u>Massive Matrix supported, cobbly.</u> |
| Airphoto no. _____ | _____ | _____ |
| UTM co-ord. (zone <u>17</u>) <u>0496373</u> E <u>5280407</u> N | Surficial material <u>Very fine sand.</u> | _____ |
| Ice distance to outcrop _____ | Section/Sample Interval | Clasts: Size range <u>2-20cm</u> |
| Outcrop geology <u>Volcanics</u> |  | % of sample <u>5</u> Shape <u>Angular</u> |
| Shovel pit <u>✓</u> | <p>0-0.1m <u>organics</u></p> <p>0.1-0.3m <u>very fine - fine sand</u> <u>- minor pebbles.</u></p> <p>0.3-0.6m <u>Till</u></p> <p>0.6m <u>- Volcanic Bedrock.</u></p> | Lithology <u>100% volcanics</u> |
| Road cut _____ | _____ | Matrix: % of sample <u>95</u> |
| Other exposure _____ | _____ | Colour <u>Light-ochre</u> |
| Est. OB thickness <u>0.6m</u> | _____ | Grain size class <u>Silt & fine sand.</u> |
| Additional notes <u>Site 17.</u> | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |



OVERBURDEN DRILLING MANAGEMENT LIMITED FIELD PIT SAMPLING LOG

PROJECT: Burda Option / Block A SAMPLE NO.: BBA-16-13 COLLECTED BY: M. M. ICHAMUD DATE: Aug 24/2016

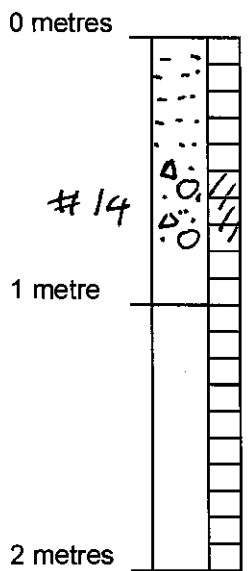
| LOCATION | SURFICIAL GEOLOGY | SAMPLE MATERIAL | |
|---|--|---|--|
| NTS map no. _____ | Topography <u>Top of North facing slope.</u> | Classification <u>Till</u> | |
| Geology map no. _____ | _____ | Structure <u>Massive, matrix supported, cobbly.</u> | |
| Airphoto no. _____ | Surficial material <u>Very fine & fine sand.</u> | _____ | |
| UTM co-ord. <u>0496600</u> E | Section/Sample Interval | Clasts: Size range <u>2-20 cm</u> | |
| (zone <u>17</u>) <u>5280453</u> N | | % of sample <u>15%</u> | |
| Ice distance to outcrop <u>Site is 30 m North of road-side outcrop.</u> | | Shape <u>Angular</u> | |
| Outcrop geology <u>Volcanics</u> | | Lithology <u>100% Volcanics</u> | |
| Shovel pit <input checked="" type="checkbox"/> | 0 metres | Matrix: % of sample <u>85%</u> | |
| Road cut _____ | | Colour <u>Medium - ochre.</u> | |
| Other exposure _____ | | 1 metre | Grain size class <u>Silt & fine sand</u> |
| Est. OB thickness <u>~1 m</u> | | 2 metres | |
| Additional notes <u>Site #18</u> | | | |



OVERBURDEN DRILLING MANAGEMENT LIMITED

FIELD PIT SAMPLING LOG

PROJECT: Burda Option/Block A SAMPLE NO.: BBA-16-14 COLLECTED BY: M. MICHAUD DATE: Aug 29/2016

| LOCATION | SURFICIAL GEOLOGY | SAMPLE MATERIAL |
|--|---|---|
| NTS map no. _____ | Topography <u>Base of west-facing slope (outcrop ridge). Boog to the west.</u> | Classification <u>Sandy till (possible gravel)</u> |
| Geology map no. _____ | | Structure <u>compact but loosens easily; cobbly, matrix supported, unsorted</u> |
| Airphoto no. _____ | Surficial material <u>Very fine to fine sand.</u> | |
| UTM co-ord. <u>0495879</u> E (zone <u>17</u>) <u>5280268</u> N | Section/Sample Interval | Clasts: Size range <u>2 - 20 cm</u> |
| Ice distance to outcrop <u>Site 10m west.</u> | | % of sample <u>15%</u> |
| Outcrop geology <u>Probable Volcanics (perched boulders).</u> | 0 metres | Shape <u>Subrounded</u> |
| Shovel pit <input checked="" type="checkbox"/> |  | Lithology <u>95% Volcanics 5% Granitic</u> |
| Road cut _____ | 1 metre | Matrix: % of sample <u>85%</u> |
| Other exposure _____ | | Colour <u>Light ochre</u> |
| Est. OB thickness <u>~2m</u> | 2 metres | Grain size class <u>Silt, fine to coarse sand.</u> |
| Additional notes <u>Site #22</u> | | |



OVERBURDEN DRILLING MANAGEMENT LIMITED

FIELD PIT SAMPLING LOG

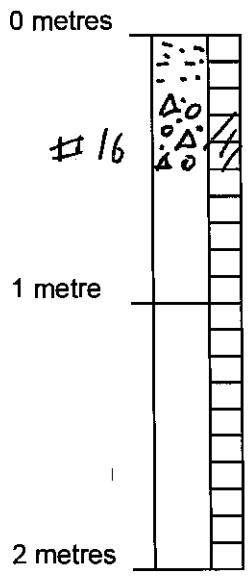
PROJECT: Burda Option / Block A SAMPLE NO.: BBA-16-15 COLLECTED BY: M. MICHAUD DATE: Aug 20/2016

| LOCATION | SURFICIAL GEOLOGY | SAMPLE MATERIAL | |
|--|--|---|-----------------------------------|
| NTS map no. _____ | Topography <u>Gentle North - facing slope.</u> | Classification <u>Till.</u> | |
| Geology map no. _____ | _____ | Structure <u>Compact, Matrix supported, cobbly.</u> | |
| Airphoto no. _____ | Surficial material <u>Very fine - Fine sand.</u> | _____ | |
| UTM co-ord. (zone <u>17</u>) <u>0496097</u> E <u>5280156</u> N | Section/Sample Interval | Clasts: Size range <u>2-20cm</u> | |
| Ice distance to outcrop <u>UNKNOWN.</u> | 0 metres | % of sample <u>15%</u> | |
| Outcrop geology _____ | | Shape <u>Angular</u> | |
| Shovel pit <input checked="" type="checkbox"/> | | 0-0.1 m <u>Organics</u> | Lithology <u>100% Volcanics</u> |
| Road cut _____ | | 0.1-0.3 m <u>Very fine - fine sand.</u> | Matrix: % of sample <u>85%</u> |
| Other exposure _____ | | 0.3-0.6 m <u>Till.</u> | Colour <u>Light ochre.</u> |
| Est. OB thickness <u>41m</u> | 1 metre | Grain size class <u>silt & fine sand.</u> | |
| Additional notes <u>Site #23</u> | 2 metres | _____ | |
| _____ | _____ | _____ | |
| _____ | _____ | _____ | |
| _____ | _____ | _____ | |



**OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG**

PROJECT: Burda Option/Block A SAMPLE NO.: BBA-16-16 COLLECTED BY: M. MICHAUD DATE: Aug 20/2016

| LOCATION | SURFICIAL GEOLOGY | SAMPLE MATERIAL |
|--|---|---|
| NTS map no. _____ | Topography <u>Flat lying.</u> | Classification <u>Till</u> |
| Geology map no. _____ | _____ | Structure <u>massive matrix supported, cobbly</u> |
| Airphoto no. _____ | _____ | _____ |
| UTM co-ord. <u>0495793</u> E | Surficial material <u>Very fine - fine sand.</u> | _____ |
| (zone <u>17</u>) <u>5282074</u> N | _____ | Clasts: Size range <u>2-10 cm</u> |
| Ice distance to outcrop <u>30m west of outcrop</u> | Section/Sample Interval | % of sample <u>10%</u> |
| Outcrop geology <u>Volcanics</u> | _____ | Shape <u>Angular</u> |
| Shovel pit <u>✓</u> | 0 metres | Lithology <u>100% Volcanics</u> |
| Road cut _____ |  | Matrix: % of sample <u>90%</u> |
| Other exposure _____ | 0-0.1m <u>Organics</u> | Colour <u>Light ochre</u> |
| Est. OB thickness <u>1 m</u> | 0.1-0.2m <u>Very fine to fine sand</u> | Grain size class <u>Silt & fine sand.</u> |
| Additional notes <u>South of site #5</u> | 0.2-0.5m <u>Till.</u> | _____ |
| _____ | 1 metre | _____ |
| _____ | _____ | _____ |
| _____ | 2 metres | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |



OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD TRENCH SAMPLING LOG

PROJECT: Bunder Option / Block A TRENCH: #1 SAMPLE NOS.: BBA-16-17, 18 GEOLOGIST: M. MICHAHA DATE: Aug 21 / 2016

| LOCATION/TOPOGRAPHY | Depth (Metres) | Graphic Log and Interval | Sample No. | Descriptive Log |
|---|----------------------------|--------------------------|------------|--|
| NTS Map No.: _____ UTM Coord: <u>0495731</u> E <u>5280360</u> N Grid Coord: _____ Airphoto Nos.: _____ | 1 2 | | #17 #18 | <ul style="list-style-type: none"> - glaciofluvial sand & gravel. - Bouldery, cobbly & unsorted. - coarse sand matrix - clasts are rounded. - 0 - 3.2 m |
| Topography/Site Description: <u>CREST of Esker ridge.</u> <u>- gradual slope to the east to edge of bog.</u> Additional Notes: <u>Site #21</u> <u>A second trench was dug ~100m east on the edge of the bog. Trench dug to +3m in glaciofluvial S & G.</u> <u>IN 3 year old clear cut.</u> | 3 4 5 6 7 8 | | | <ul style="list-style-type: none"> * Sand & gravel sampled. May not be processed. |



Bunder Option 1

OVERBURDEN DRILLING MANAGEMENT LIMITED

FIELD TRENCH SAMPLING LOG


PROJECT: Block A

TRENCH: #2

SAMPLE NOS.: BBA-16-19, 20

GEOLOGIST: M. M. CHAUD

DATE: Aug. 21/2016

| LOCATION/TOPOGRAPHY | Depth (Metres) | Graphic Log and Interval | Sample No. | Descriptive Log |
|--|----------------|--|-----------------------------|---|
| NTS Map No.: _____ UTM Coord: <u>0495941</u> E <u>5260698</u> N Grid Coord: _____ Airphoto Nos.: _____ | 1 |  | #19 & #20 (duplicate) | 0-0.1 organics 0.1-0.7 laciofluvial - Sand & gravel - Cobble/boulders (rounded) - Medium-loose sand matrix |
| Topography/Site Description: _____ <u>Generally flat lying.</u> <u>~ 75 m west of bog.</u> | 2 | | | |
| Additional Notes: <u>Site # 15</u> <u>in 3-year old clear cut.</u> <u>Sample # 20 is a duplicate</u> | 3 | | | 0.7-0.8 - Till. - Unsorted, matrix supported. - 20% clasts - 90% volcanics / 10% granitoids - subangular - silt & fine sand matrix. - light ochre. 0.8 m - Bedrock - unmineralized volcanic. - possible 139°? |
| | 4 | | | |
| | 5 | | | |
| | 6 | | | |
| | 7 | | | |
| | 8 | | | |



OVERBURDEN DRILLING MANAGEMENT LIMITED

FIELD PIT SAMPLING LOG

PROJECT: BURDA OPTION / BLOCK A SAMPLE NO.: BDA-16-21 COLLECTED BY: M. MICHAUD DATE: Aug 21 / 2016

| LOCATION | SURFICIAL GEOLOGY | SAMPLE MATERIAL |
|--|---|--|
| NTS map no. _____ | Topography <u>West Facing slope.</u> | Classification <u>Sandy Till</u> |
| Geology map no. _____ | _____ | Structure <u>Boulders / cobbles</u> <u>unsorted, loose matrix</u> |
| Airphoto no. _____ | Surficial material <u>Very fine - fine sand</u> | _____ |
| UTM co-ord. <u>0496133</u> E | Section/Sample Interval | Clasts: Size range <u>2 - 30 cm</u> |
| (zone <u>17</u>) <u>5280616</u> N | | % of sample <u>20%</u> |
| Ice distance to outcrop <u>Unknown</u> | | Shape <u>Subangular</u> |
| Outcrop geology _____ | | Lithology <u>100% Volcanics.</u> |
| Shovel pit <input checked="" type="checkbox"/> | 0 metres | Matrix: % of sample <u>80%</u> |
| Road cut _____ | | Colour <u>Light ochre</u> |
| Other exposure _____ | | 1 metre |
| Est. OB thickness <u>41 m</u> | 2 metres | |
| Additional notes <u>Site 16</u> | | |
| _____ | | |
| _____ | | |
| _____ | | |
| _____ | | |

Appendix C

Heavy Mineral Processing Weights, Physical Characteristics of the Till Samples, Gold Grain Summaries and Descriptions, and Calculated Visible Gold Values for the Till Samples



Overburden Drilling Management Limited
Unit 107, 15 Capella Court
Nepean, Ontario, Canada, K2E 7X1
Tel: (613) 226-1771 Fax: (613) 226-8753
odm@storm.ca www.odm.ca

Laboratory Data Report

Client Information

Mr. T. A. Young
Suite 3123, 595 Burrard Street
PO Box 49139, Three Bentall Centre
Vancouver, BC
V7X 1J1

timothy_a_young@yahoo.ca

jkleinboeck@gmail.com

Attention: Mr. Tim Young

Data-File Information

Date: September 30, 2016
Project name: Burda Project

ODM batch number: 7281
Sample numbers: BBA-16-01 to 21
Data file: 20167281 - Young - Burda - (BBA-16) - September 2016

Number of samples in this report: 21
Number of samples processed to date: 21
Total number of samples in project: 21

Preliminary data:

Final data:

Revised data:

| |
|---|
| |
| X |
| |

Sample Processing Specifications

1. Submitted by client: Glacial till and alluvial sand and gravel samples prescreened to -8.0 mm in the field.
2. One ±500 g archival split taken, ± 200 g of each sieved to -0.063 mm.
3. All samples panned for gold, PGMs and fine-grained metallic indicator minerals.

Notes

Remy Huneault, P.Geo.
President

Primary Processing Sample Weights and Descriptions

Client: Mr. T. A. Young
 File Name: 20167281 - Young - Burda - (BBA-16) - September 2016
 Total Number of Samples in this Report: 21
 ODM Batch Number(s): 7281

| Sample Number | Weight (kg wet) | | | | | | Screening and Shaking Table Sample Descriptions | | | | | | | | | | | Class |
|---------------|-----------------|----------------|-------------|-----------------|------------|------|---|----|----|----|------------------|----|----|----|--------|-----|----|---------------|
| | | | | | | | Clasts (+2.0 mm)* | | | | Matrix (-2.0 mm) | | | | | | | |
| | Bulk Rec'd | Archived Split | Table Split | +2.0 mm Clasts* | Table Feed | Size | Percentage | | | | Distribution | | | | Colour | | | |
| | | | | | | | V/S | GR | LS | OT | S/U | SD | ST | CY | ORG | SD | CY | |
| BBA-16-01 | 10.2 | 0.5 | 9.7 | 5.1 | 4.6 | P | 95 | 5 | 0 | 0 | S | MC | - | N | Y | DOC | OC | SAND + GRAVEL |
| BBA-16-02 | 12.0 | 0.5 | 11.5 | 6.8 | 4.7 | P | 90 | 10 | 0 | 0 | S | MC | - | N | Y | DOC | OC | SAND + GRAVEL |
| BBA-16-03 | 12.3 | 0.5 | 11.8 | 5.0 | 6.8 | P | 80 | 20 | 0 | 0 | S | MC | - | N | Y | DOC | OC | SAND + GRAVEL |
| BBA-16-04 | 11.2 | 0.5 | 10.7 | 4.3 | 6.4 | P | 90 | 10 | 0 | 0 | U | + | Y | N | Y | OC | OC | TILL |
| BBA-16-05 | 11.8 | 0.5 | 11.3 | 3.0 | 8.3 | P | 95 | 5 | 0 | 0 | U | + | Y | N | Y | OC | OC | TILL |
| BBA-16-06 | 12.1 | 0.5 | 11.6 | 3.6 | 8.0 | P | 90 | 10 | 0 | 0 | U | + | Y | N | Y | OC | OC | TILL |
| BBA-16-07 | 12.1 | 0.5 | 11.6 | 2.8 | 8.8 | P | 90 | 10 | 0 | 0 | U | + | Y | - | Y | OC | OC | TILL |
| BBA-16-08 | 11.9 | 0.5 | 11.4 | 2.4 | 9.0 | P | 95 | 5 | 0 | 0 | U | Y | + | N | Y | OC | OC | TILL |
| BBA-16-09 | 11.2 | 0.5 | 10.7 | 1.5 | 9.2 | P | 95 | 5 | 0 | 0 | U | + | Y | N | Y | OC | OC | TILL |
| BBA-16-10 | 11.5 | 0.5 | 11.0 | 1.4 | 9.6 | P | 100 | 0 | 0 | 0 | U | + | Y | N | Y | OC | OC | TILL |
| BBA-16-11 | 12.0 | 0.5 | 11.5 | 2.4 | 9.1 | P | 100 | 0 | 0 | 0 | U | + | Y | N | Y | OC | OC | TILL |
| BBA-16-12 | 12.5 | 0.5 | 12.0 | 1.4 | 10.6 | P | 100 | 0 | 0 | 0 | U | + | Y | N | Y | LOC | OC | TILL |
| BBA-16-13 | 12.1 | 0.5 | 11.6 | 3.5 | 8.1 | P | 100 | 0 | 0 | 0 | U | + | Y | N | Y | DOC | OC | TILL |
| BBA-16-14 | 11.5 | 0.5 | 11.0 | 2.4 | 8.6 | P | 90 | 10 | 0 | 0 | U | + | Y | N | Y | OC | OC | TILL |
| BBA-16-15 | 12.1 | 0.5 | 11.6 | 2.4 | 9.2 | P | 95 | 5 | 0 | 0 | U | + | Y | N | Y | OC | OC | TILL |
| BBA-16-16 | 11.5 | 0.5 | 11.0 | 2.3 | 8.7 | P | 95 | 5 | 0 | 0 | U | + | Y | N | Y | LOC | OC | TILL |
| BBA-16-17 | 11.8 | 0.5 | 11.3 | 4.9 | 6.4 | P | 90 | 10 | 0 | 0 | S | MC | - | N | Y | LOC | OC | SAND + GRAVEL |
| BBA-16-18 | 12.0 | 0.5 | 11.5 | 3.6 | 7.9 | P | 90 | 10 | 0 | 0 | S | MC | - | N | Y | LOC | OC | SAND + GRAVEL |
| BBA-16-19 | 12.4 | 0.5 | 11.9 | 4.7 | 7.2 | P | 95 | 5 | 0 | 0 | U | + | Y | N | Y | LOC | OC | TILL |
| BBA-16-20 | 12.2 | 0.5 | 11.7 | 4.2 | 7.5 | P | 95 | 5 | 0 | 0 | U | + | Y | N | Y | LOC | OC | TILL |
| BBA-16-21 | 12.4 | 0.5 | 11.9 | 3.4 | 8.5 | P | 95 | 5 | 0 | 0 | U | + | Y | N | Y | OC | OC | TILL |

*Samples prescreened to -8.0 mm in the field.

Gold Grain Summary

Client: Mr. T. A. Young

File Name: 20167281 - Young - Burda - (BBA-16) - September 2016

Total Number of Samples in this Report: 21

ODM Batch Number(s): 7281

| Sample Number | Number of Visible Gold Grains | | | | Nonmag HMC Weight (g)* | Calculated PPB Visible Gold in HMC | | | |
|---------------|-------------------------------|----------|----------|----------|---------------------------------|------------------------------------|----------|----------|----------|
| | Total | Reshaped | Modified | Pristine | | Total | Reshaped | Modified | Pristine |
| BBA-16-01 | 7 | 5 | 2 | 0 | 18.4 | 84 | 83 | 2 | 0 |
| BBA-16-02 | 15 | 13 | 2 | 0 | 18.8 | 3988 | 3983 | 5 | 0 |
| BBA-16-03 | 23 | 16 | 3 | 4 | 27.2 | 711 | 676 | 10 | 26 |
| BBA-16-04 | 27 | 19 | 3 | 5 | 25.6 | 83 | 72 | 1 | 11 |
| BBA-16-05 | 37 | 25 | 6 | 6 | 33.2 | 149 | 122 | 18 | 8 |
| BBA-16-06 | 22 | 17 | 4 | 1 | 32.0 | 116 | 105 | 5 | 6 |
| BBA-16-07 | 51 | 43 | 8 | 0 | 35.2 | 490 | 452 | 38 | 0 |
| BBA-16-08 | 49 | 31 | 16 | 2 | 36.0 | 82 | 67 | 15 | 1 |
| BBA-16-09 | 29 | 21 | 6 | 2 | 36.8 | 127 | 114 | 7 | 5 |
| BBA-16-10 | 41 | 29 | 11 | 1 | 38.4 | 245 | 240 | 6 | <1 |
| BBA-16-11 | 32 | 29 | 2 | 1 | 36.4 | 297 | 296 | 1 | <1 |
| BBA-16-12 | 31 | 29 | 2 | 0 | 42.4 | 103 | 101 | 2 | 0 |
| BBA-16-13 | 10 | 10 | 0 | 0 | 32.4 | 18 | 18 | 0 | 0 |
| BBA-16-14 | 36 | 25 | 9 | 2 | 34.4 | 413 | 403 | 9 | <1 |
| BBA-16-15 | 22 | 18 | 4 | 0 | 36.8 | 49 | 46 | 3 | 0 |
| BBA-16-16 | 18 | 17 | 1 | 0 | 34.8 | 276 | 276 | <1 | 0 |
| BBA-16-17 | 0 | 0 | 0 | 0 | 25.6 | 0 | 0 | 0 | 0 |
| BBA-16-18 | 3 | 3 | 0 | 0 | 31.6 | 7 | 7 | 0 | 0 |
| BBA-16-19 | 17 | 16 | 1 | 0 | 28.8 | 208 | 207 | 1 | 0 |
| BBA-16-20 | 20 | 17 | 3 | 0 | 30 | 157 | 155 | 2 | 0 |
| BBA-16-21 | 32 | 31 | 0 | 1 | 34.0 | 65 | 65 | 0 | <1 |

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.

Detailed Gold Grain Data

Client: Mr. T. A. Young

File Name: 20167281 - Young - Burda - (BBA-16) - September 2016

Total Number of Samples in this Report: 21

ODM Batch Number(s): 7281

| Sample Number | Dimensions (µm) | | | Number of Visible Gold Grains | | | | Nonmag HMC Weight* (g) | Calculated V.G. Assay in HMC (ppb) | Metallic Minerals in Pan Concentrate |
|---------------|-----------------|-------|--------|-------------------------------|----------|----------|-------|------------------------|------------------------------------|--------------------------------------|
| | Thickness | Width | Length | Reshaped | Modified | Pristine | Total | | | |
| BBA-16-01 | 3 | C | 15 | 15 | | 1 | 1 | | <1 | No sulphides. |
| | 5 | C | 25 | 25 | 1 | 1 | 2 | | 3 | |
| | 8 | C | 25 | 50 | 2 | | 2 | | 8 | |
| | 13 | C | 50 | 75 | 1 | | 1 | | 19 | |
| | 18 | C | 75 | 100 | 1 | | 1 | | 54 | |
| | | | | | | | 7 | 18.4 | 84 | |
| BBA-16-02 | 5 | C | 25 | 25 | | 1 | 1 | | 1 | No sulphides. |
| | 8 | C | 25 | 50 | | 1 | 1 | | 4 | |
| | 10 | C | 25 | 75 | 1 | | 1 | | 8 | |
| | 13 | C | 50 | 75 | 2 | | 2 | | 38 | |
| | 15 | C | 50 | 100 | 1 | | 1 | | 30 | |
| | 18 | C | 75 | 100 | 1 | | 1 | | 53 | |
| | 20 | C | 75 | 125 | 3 | | 3 | | 224 | |
| | 20 | C | 100 | 100 | 1 | | 1 | | 80 | |
| | 25 | C | 100 | 150 | 1 | | 1 | | 148 | |
| | 29 | C | 150 | 150 | 1 | | 1 | | 263 | |
| | 50 | C | 150 | 400 | 1 | | 1 | | 1201 | |
| 54 | C | 300 | 300 | 1 | | 1 | | 1939 | | |
| | | | | | | | 15 | 18.8 | 3988 | |
| BBA-16-03 | 3 | C | 15 | 15 | | 1 | 1 | 2 | <1 | No sulphides. |
| | 5 | C | 25 | 25 | | | 2 | 2 | 2 | |
| | 8 | C | 25 | 50 | 2 | 1 | 3 | | 8 | |
| | 10 | C | 25 | 75 | 1 | | 1 | | 5 | |
| | 10 | C | 50 | 50 | 3 | 1 | 4 | | 28 | |
| | 13 | C | 50 | 75 | 2 | | 2 | | 26 | |
| | 15 | C | 50 | 100 | 1 | | 1 | | 21 | |
| | 25 | C | 50 | 200 | 1 | | 1 | | 68 | |
| | 15 | C | 75 | 75 | 2 | | 1 | 3 | 71 | |
| | 18 | C | 75 | 100 | 1 | | 1 | | 36 | |
| | 20 | C | 75 | 125 | 1 | | 1 | | 52 | |
| | 29 | C | 100 | 200 | 1 | | 1 | | 161 | |
| | 34 | C | 100 | 250 | 1 | | 1 | | 232 | |
| | | | | | | | 23 | 27.2 | 711 | |
| BBA-16-04 | 3 | C | 15 | 15 | 4 | 3 | 1 | 8 | 2 | No sulphides. |
| | 5 | C | 25 | 25 | 6 | | 2 | 8 | 8 | |
| | 8 | C | 25 | 50 | 5 | | 1 | 6 | 17 | |
| | 10 | C | 25 | 75 | | | 1 | 1 | 6 | |
| | 10 | C | 50 | 50 | 2 | | | 2 | 15 | |
| | 13 | C | 50 | 75 | 1 | | | 1 | 14 | |
| | 15 | C | 50 | 100 | 1 | | | 1 | 22 | |
| | | | | | | | 27 | 25.6 | 83 | |
| BBA-16-05 | 3 | C | 15 | 15 | 2 | 2 | 2 | 6 | 1 | No sulphides. |
| | 5 | C | 25 | 25 | 6 | 2 | 3 | 11 | 8 | |
| | 8 | C | 25 | 50 | 4 | | | 4 | 9 | |
| | 10 | C | 25 | 75 | 5 | | | 5 | 22 | |
| | 10 | C | 50 | 50 | 5 | 1 | 1 | 7 | 41 | |
| | 13 | C | 50 | 75 | 1 | 1 | | 2 | 22 | |
| | 15 | C | 50 | 100 | 1 | | | 1 | 17 | |
| | 18 | C | 75 | 100 | 1 | | | 1 | 30 | |
| | | | | | | | 37 | 33.2 | 149 | |

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.

Detailed Gold Grain Data

Client: Mr. T. A. Young

File Name: 20167281 - Young - Burda - (BBA-16) - September 2016

Total Number of Samples in this Report: 21

ODM Batch Number(s): 7281

| Sample Number | Dimensions (µm) | | | Number of Visible Gold Grains | | | | Nonmag HMC Weight* (g) | Calculated V.G. Assay in HMC (ppb) | Metallic Minerals in Pan Concentrate |
|---------------|-----------------|-------|--------|-------------------------------|----------|----------|-----------|------------------------|------------------------------------|--------------------------------------|
| | Thickness | Width | Length | Reshaped | Modified | Pristine | Total | | | |
| BBA-16-06 | 3 | C | 15 | 15 | 1 | 1 | | 2 | <1 | No sulphides. |
| | 5 | C | 25 | 25 | 2 | 1 | | 3 | 2 | |
| | 8 | C | 25 | 50 | 6 | 2 | | 8 | 18 | |
| | 10 | C | 25 | 75 | 1 | | | 1 | 5 | |
| | 10 | C | 50 | 50 | 3 | | 1 | 4 | 24 | |
| | 13 | C | 50 | 75 | 1 | | | 1 | 11 | |
| | 15 | C | 50 | 100 | 2 | | | 2 | 36 | |
| | 15 | C | 75 | 75 | 1 | | | 1 | 20 | |
| | | | | | | | <u>22</u> | <u>32.0</u> | <u>116</u> | |
| BBA-16-07 | 3 | C | 15 | 15 | 4 | 2 | | 6 | 1 | No sulphides. |
| | 5 | C | 25 | 25 | 5 | | | 5 | 3 | |
| | 8 | C | 25 | 50 | 8 | 1 | | 9 | 19 | |
| | 10 | C | 25 | 75 | 1 | 1 | | 2 | 8 | |
| | 10 | C | 50 | 50 | 10 | 2 | | 12 | 66 | |
| | 13 | C | 50 | 75 | 5 | 2 | | 7 | 71 | |
| | 15 | C | 50 | 100 | 4 | | | 4 | 65 | |
| | 18 | C | 75 | 100 | 3 | | | 3 | 84 | |
| | 22 | C | 75 | 150 | 1 | | | 1 | 54 | |
| | 22 | C | 100 | 125 | 2 | | | 2 | 119 | |
| | | | | | | | <u>51</u> | <u>35.2</u> | <u>490</u> | |
| BBA-16-08 | 3 | C | 15 | 15 | 9 | 10 | 1 | 20 | 3 | 7 grains pyrite (50-100µm). |
| | 5 | C | 25 | 25 | 10 | 3 | 1 | 14 | 9 | |
| | 8 | C | 25 | 50 | 3 | 1 | | 4 | 8 | |
| | 10 | C | 25 | 75 | | 1 | | 1 | 4 | |
| | 10 | C | 50 | 50 | 8 | 1 | | 9 | 48 | |
| | 13 | C | 50 | 75 | 1 | | | 1 | 10 | |
| | | | | | | | <u>49</u> | <u>36.0</u> | <u>82</u> | |
| BBA-16-09 | 3 | C | 15 | 15 | 4 | 3 | 1 | 8 | 1 | No sulphides. |
| | 5 | C | 25 | 25 | 12 | 1 | | 13 | 9 | |
| | 8 | C | 25 | 50 | 2 | 1 | | 3 | 6 | |
| | 10 | C | 25 | 75 | | 1 | | 1 | 4 | |
| | 10 | C | 50 | 50 | | | 1 | 1 | 5 | |
| | 13 | C | 50 | 75 | 2 | | | 2 | 19 | |
| | 27 | C | 75 | 200 | 1 | | | 1 | 82 | |
| | | | | | | | <u>29</u> | <u>36.8</u> | <u>127</u> | |
| BBA-16-10 | 3 | C | 15 | 15 | 4 | 5 | 1 | 10 | 1 | No sulphides. |
| | 5 | C | 25 | 25 | 9 | 5 | | 14 | 9 | |
| | 8 | C | 25 | 50 | 5 | 1 | | 6 | 11 | |
| | 10 | C | 50 | 50 | 2 | | | 2 | 10 | |
| | 13 | C | 50 | 75 | 5 | | | 5 | 47 | |
| | 15 | C | 50 | 100 | 1 | | | 1 | 15 | |
| | 25 | C | 75 | 175 | 2 | | | 2 | 127 | |
| | 18 | C | 75 | 100 | 1 | | | 1 | 26 | |
| | | | | | | | <u>41</u> | <u>38.4</u> | <u>245</u> | |
| BBA-16-11 | 3 | C | 15 | 15 | 7 | 1 | 1 | 9 | 1 | 1 grain galena (75µm). |
| | 5 | C | 25 | 25 | 8 | 1 | | 9 | 6 | |
| | 8 | C | 25 | 50 | 6 | | | 6 | 12 | |
| | 10 | C | 50 | 50 | 3 | | | 3 | 16 | |
| | 13 | C | 50 | 75 | 2 | | | 2 | 20 | |
| | 18 | C | 75 | 100 | 1 | | | 1 | 27 | |
| | 20 | C | 100 | 100 | 1 | | | 1 | 41 | |
| | 34 | C | 100 | 250 | 1 | | | 1 | 174 | |
| | | | | | | | <u>32</u> | <u>36.4</u> | <u>297</u> | |

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.

Detailed Gold Grain Data

Client: Mr. T. A. Young

File Name: 20167281 - Young - Burda - (BBA-16) - September 2016

Total Number of Samples in this Report: 21

ODM Batch Number(s): 7281

| Sample Number | Dimensions (μm) | | | Number of Visible Gold Grains | | | | Nonmag HMC Weight* (g) | Calculated V.G. Assay in HMC (ppb) | Metallic Minerals in Pan Concentrate |
|---------------|------------------------------|-------|--------|-------------------------------|----------|----------|-------|------------------------|------------------------------------|--------------------------------------|
| | Thickness | Width | Length | Reshaped | Modified | Pristine | Total | | | |
| BBA-16-12 | 3 | C | 15 | 15 | 4 | 1 | 5 | | 1 | No sulphides. |
| | 5 | C | 25 | 25 | 17 | | 17 | | 10 | |
| | 8 | C | 25 | 50 | 2 | 1 | 3 | | 5 | |
| | 10 | C | 25 | 75 | 1 | | 1 | | 3 | |
| | 10 | C | 50 | 50 | 3 | | 3 | | 14 | |
| | 20 | C | 100 | 100 | 2 | | 2 | | 71 | |
| | | | | | | | 31 | 42.4 | 103 | |
| BBA-16-13 | 3 | C | 15 | 15 | 2 | | 2 | | <1 | No sulphides. |
| | 5 | C | 25 | 25 | 5 | | 5 | | 4 | |
| | 8 | C | 25 | 50 | 1 | | 1 | | 2 | |
| | 10 | C | 50 | 50 | 2 | | 2 | | 12 | |
| | | | | | | | 10 | 32.4 | 18 | |
| BBA-16-14 | 3 | C | 15 | 15 | 2 | 6 | 2 | 10 | 2 | No sulphides. |
| | 5 | C | 25 | 25 | 8 | 1 | | 9 | 6 | |
| | 8 | C | 25 | 50 | 4 | 1 | | 5 | 11 | |
| | 10 | C | 50 | 50 | 2 | 1 | | 3 | 17 | |
| | 13 | C | 50 | 75 | 3 | | | 3 | 31 | |
| | 15 | C | 50 | 100 | 1 | | | 1 | 17 | |
| | 15 | C | 75 | 75 | 1 | | | 1 | 19 | |
| | 18 | C | 75 | 100 | 1 | | | 1 | 29 | |
| | 22 | C | 75 | 150 | 1 | | | 1 | 55 | |
| | 27 | C | 75 | 200 | 1 | | | 1 | 88 | |
| 29 | C | 125 | 175 | 1 | | | 1 | 140 | | |
| | | | | | | | 36 | 34.4 | 413 | |
| BBA-16-15 | 3 | C | 15 | 15 | 2 | 2 | | 4 | 1 | No sulphides. |
| | 5 | C | 25 | 25 | 9 | 1 | | 10 | 7 | |
| | 8 | C | 25 | 50 | 4 | 1 | | 5 | 10 | |
| | 10 | C | 25 | 75 | 1 | | | 1 | 4 | |
| | 10 | C | 50 | 50 | 1 | | | 1 | 5 | |
| | 18 | C | 50 | 125 | 1 | | | 1 | 22 | |
| | | | | | | | 22 | 36.8 | 49 | |
| BBA-16-16 | 3 | C | 15 | 15 | 2 | 1 | | 3 | <1 | 1 grain pyrite (50 μm). |
| | 5 | C | 25 | 25 | 8 | | | 8 | 6 | |
| | 8 | C | 25 | 50 | 2 | | | 2 | 4 | |
| | 10 | C | 50 | 50 | 3 | | | 3 | 17 | |
| | 25 | C | 100 | 150 | 1 | | | 1 | 80 | |
| | 31 | C | 125 | 200 | 1 | | | 1 | 170 | |
| | | | | | | | 18 | 34.8 | 276 | |
| BBA-16-17 | No Visible Gold | | | | | | | | | No sulphides. |
| BBA-16-18 | 3 | C | 15 | 15 | 1 | | | 1 | <1 | No sulphides. |
| | 5 | C | 25 | 25 | 1 | | | 1 | 1 | |
| | 10 | C | 50 | 50 | 1 | | | 1 | 6 | |
| | | | | | | | 3 | 31.6 | 7 | |

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.

Detailed Gold Grain Data

Client: Mr. T. A. Young

File Name: 20167281 - Young - Burda - (BBA-16) - September 2016

Total Number of Samples in this Report: 21

ODM Batch Number(s): 7281

| Sample Number | Dimensions (μm) | | | Number of Visible Gold Grains | | | | Nonmag HMC Weight* (g) | Calculated V.G. Assay in HMC (ppb) | Metallic Minerals in Pan Concentrate |
|---------------|------------------------------|-------|--------|-------------------------------|----------|----------|-------|------------------------|------------------------------------|--------------------------------------|
| | Thickness | Width | Length | Reshaped | Modified | Pristine | Total | | | |
| BBA-16-19 | 3 | C | 15 | 15 | 2 | | | 2 | <1 | No sulphides. |
| | 5 | C | 25 | 25 | 7 | 1 | | 8 | 7 | |
| | 8 | C | 25 | 50 | 1 | | | 1 | 3 | |
| | 10 | C | 50 | 50 | 2 | | | 2 | 13 | |
| | 13 | C | 50 | 75 | 1 | | | 1 | 12 | |
| | 22 | C | 50 | 175 | 1 | | | 1 | 51 | |
| | 20 | C | 75 | 125 | 1 | | | 1 | 49 | |
| | 22 | C | 100 | 125 | 1 | | | 1 | 73 | |
| | | | | | | | 17 | 28.8 | 208 | |
| BBA-16-20 | 3 | C | 15 | 15 | 1 | 1 | | 2 | <1 | No sulphides. |
| | 5 | C | 25 | 25 | 7 | 2 | | 9 | 7 | |
| | 8 | C | 25 | 50 | 3 | | | 3 | 7 | |
| | 10 | C | 25 | 75 | 1 | | | 1 | 5 | |
| | 10 | C | 50 | 50 | 1 | | | 1 | 6 | |
| | 13 | C | 50 | 75 | 1 | | | 1 | 12 | |
| | 15 | C | 50 | 100 | 2 | | | 2 | 38 | |
| | 25 | C | 75 | 175 | 1 | | | 1 | 81 | |
| | | | | | | | 20 | 30.0 | 157 | |
| BBA-16-21 | 3 | C | 15 | 15 | 12 | | 1 | 13 | 2 | No sulphides. |
| | 5 | C | 25 | 25 | 13 | | | 13 | 9 | |
| | 8 | C | 25 | 50 | 1 | | | 1 | 2 | |
| | 10 | C | 50 | 50 | 2 | | | 2 | 11 | |
| | 13 | C | 50 | 75 | 2 | | | 2 | 21 | |
| | 15 | C | 75 | 75 | 1 | | | 1 | 19 | |
| | | | | | | | 32 | 34.0 | 65 | |

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.

-0.063 mm Clay-Silt Fraction Weights

Client: Mr. T. A. Young

File Name: 20167281 - Young - Burda - (BBA-16) - September 2016

Total Number of Samples in this Report: 21

ODM Batch Number(s): 7281

| Sample Number | Archival Split Weight (g) | | | | | | | |
|---------------|---------------------------|----------|--------------|-----------|-----------|------------------|------|------|
| | Total | Excess | Sieved Split | | | | | |
| | | | Total | +0.063 mm | -0.063 mm | | | |
| | | | | | Total | Analytical Split | | |
| | | | | | INA | ICP | | |
| BBA-16-01B | | Inserted | Standard | | | 41.3 | 27.4 | 13.9 |
| BBA-16-01 | 503.7 | 192.4 | 311.3 | 293.8 | 17.5 | 11.7 | 5.8 | |
| BBA-16-02 | 454.5 | 121.3 | 333.2 | 316.5 | 16.7 | 12.3 | 4.4 | |
| BBA-16-03 | 494.0 | 177.0 | 317.0 | 297.3 | 19.7 | 14.4 | 5.3 | |
| BBA-16-04 | 449.7 | 132.2 | 317.5 | 237.2 | 80.3 | 27.7 | 52.6 | |
| BBA-16-05 | 569.3 | 291.5 | 277.8 | 181.5 | 96.3 | 28.5 | 67.8 | |
| BBA-16-06 | 522.1 | 305.3 | 216.8 | 147.0 | 69.8 | 28.1 | 41.7 | |
| BBA-16-07 | 470.4 | 243.2 | 227.2 | 130.9 | 96.3 | 31.3 | 65.0 | |
| BBA-16-08 | 408.6 | 185.8 | 222.8 | 112.6 | 110.2 | 25.8 | 84.4 | |
| BBA-16-09 | 486.8 | 295.9 | 190.9 | 94.6 | 96.3 | 27.5 | 68.8 | |
| BBA-16-10 | 433.8 | 224.3 | 209.5 | 97.2 | 112.3 | 29.1 | 83.2 | |
| BBA-16-11 | 505.6 | 321.1 | 184.5 | 103.1 | 81.4 | 26.9 | 54.5 | |
| BBA-16-12 | 369.3 | 160.7 | 208.6 | 154.1 | 54.5 | 30.3 | 24.2 | |
| BBA-16-12B | | Inserted | Standard | | | 39.4 | 26.8 | 12.6 |
| BBA-16-13 | 368.4 | 116.8 | 251.6 | 207.8 | 43.8 | 22.6 | 21.2 | |
| BBA-16-14 | 358.5 | 96.2 | 262.3 | 198.6 | 63.7 | 31.9 | 31.8 | |
| BBA-16-15 | 438.9 | 194.1 | 244.8 | 169.4 | 75.4 | 30.3 | 45.1 | |
| BBA-16-16 | 398.7 | 187.7 | 211.0 | 152.2 | 58.8 | 28.7 | 30.1 | |
| BBA-16-17 | 397.4 | 0.0 | 397.4 | 395.2 | 2.2 | 1.2 | 1.0 | |
| BBA-16-18 | 367.3 | 0.0 | 367.3 | 362.9 | 4.4 | 2.4 | 2.0 | |
| BBA-16-19 | 483.5 | 222.2 | 261.3 | 225.0 | 36.3 | 24.1 | 12.2 | |
| BBA-16-20 | 434.2 | 111.1 | 323.1 | 278.2 | 44.9 | 27.0 | 17.9 | |
| BBA-16-21 | 430.2 | 138.4 | 291.8 | 215.1 | 76.7 | 29.1 | 47.6 | |

Appendix D

-0.063 mm Geochemical Analyses for the Till Samples



Date Submitted: 04-Oct-16
Invoice No.: A16-10216
Invoice Date: 01-Nov-16
Your Reference: ODM #1481

Overburden Drilling Management Ltd.
107-15 Capella Court
Ottawa Ontario K2E 7X1
Canada

ATTN: Don Holmes

CERTIFICATE OF ANALYSIS

23 Soil samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1D Enh INAA(INAAGEO)

Code 1E Aqua Regia ICP(AQUAGEO)

REPORT **A16-10216**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

For values exceeding the upper limits we recommend assays.

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive, somewhat stylized font.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

| Analyte Symbol | Au | Ag | As | Ba | Br | Ca | Co | Cr | Cs | Fe | Hf | Hg | Ir | Mo | Na | Ni | Rb | Sb | Sc | Se | Sn | Sr | Ta |
|----------------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|--------|--------|-------|
| Unit Symbol | ppb | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | % | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| Lower Limit | 2 | 5 | 0.5 | 50 | 0.5 | 1 | 1 | 5 | 1 | 0.01 | 1 | 1 | 5 | 1 | 0.01 | 20 | 15 | 0.1 | 0.1 | 3 | 0.02 | 0.05 | 0.5 |
| Method Code | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA |
| BBA-16-01B | < 2 | < 5 | 6.4 | 510 | 2.8 | 1 | 25 | 85 | 6 | 5.01 | 11 | < 1 | < 5 | 4 | 1.83 | < 20 | 46 | 0.7 | 15.1 | < 3 | 0.08 | < 0.05 | < 0.5 |
| BBA-16-01 | < 2 | < 5 | 8.5 | 170 | 12.3 | < 1 | 9 | 84 | < 1 | 2.62 | 8 | < 1 | < 5 | < 1 | 1.42 | < 20 | < 15 | < 0.1 | 6.2 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-02 | < 2 | < 5 | 10.9 | 310 | 10.9 | < 1 | 12 | 109 | 2 | 2.48 | 8 | < 1 | < 5 | < 1 | 1.87 | < 20 | 48 | 0.3 | 7.9 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-03 | 7 | < 5 | 9.5 | 350 | 12.6 | < 1 | 15 | 109 | < 1 | 2.55 | 8 | < 1 | < 5 | < 1 | 1.88 | < 20 | < 15 | < 0.1 | 7.6 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-04 | 9 | < 5 | 11.3 | 360 | 11.9 | < 1 | 15 | 145 | < 1 | 2.74 | 7 | < 1 | < 5 | < 1 | 2.24 | < 20 | 82 | < 0.1 | 13.2 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-05 | < 2 | < 5 | 4.8 | 420 | 7.5 | < 1 | 9 | 110 | 2 | 2.17 | 7 | < 1 | < 5 | < 1 | 2.29 | 270 | < 15 | < 0.1 | 7.6 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-06 | < 2 | < 5 | 5.3 | 310 | 6.7 | < 1 | 10 | 116 | 2 | 2.19 | 7 | < 1 | < 5 | < 1 | 2.25 | < 20 | < 15 | 0.2 | 7.4 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-07 | < 2 | < 5 | 6.1 | 340 | 6.3 | 2 | 14 | 147 | < 1 | 2.47 | 9 | < 1 | < 5 | < 1 | 2.08 | 160 | 32 | < 0.1 | 8.1 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-08 | < 2 | < 5 | 15.5 | 370 | 4.7 | < 1 | 27 | 91 | 2 | 2.13 | 9 | < 1 | < 5 | < 1 | 2.00 | 520 | 36 | 0.2 | 7.6 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-09 | < 2 | < 5 | 3.1 | 400 | 7.6 | < 1 | 11 | 95 | < 1 | 2.07 | 8 | < 1 | < 5 | < 1 | 1.99 | < 20 | 39 | < 0.1 | 6.9 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-10 | 9 | < 5 | 4.8 | 400 | 6.8 | 2 | 8 | 94 | 2 | 2.06 | 8 | < 1 | < 5 | < 1 | 1.95 | < 20 | < 15 | < 0.1 | 7.2 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-11 | < 2 | < 5 | 4.7 | 400 | 8.2 | < 1 | 10 | 109 | 2 | 2.29 | 8 | < 1 | < 5 | < 1 | 2.21 | < 20 | < 15 | 0.2 | 7.6 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-12 | < 2 | < 5 | 4.5 | 380 | 5.9 | < 1 | 12 | 143 | < 1 | 2.21 | 8 | < 1 | < 5 | < 1 | 2.38 | < 20 | < 15 | < 0.1 | 8.1 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-12B | 7 | < 5 | 9.5 | 590 | 2.4 | 2 | 22 | 91 | 8 | 5.05 | 11 | < 1 | < 5 | 3 | 1.84 | < 20 | 118 | 1.2 | 14.9 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-13 | < 2 | < 5 | 5.6 | 560 | 8.9 | < 1 | 10 | 122 | 2 | 2.93 | 6 | < 1 | < 5 | < 1 | 2.29 | 110 | 89 | < 0.1 | 7.4 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-14 | < 2 | < 5 | 4.7 | 420 | 5.9 | < 1 | 12 | 97 | < 1 | 2.09 | 10 | < 1 | < 5 | < 1 | 2.20 | < 20 | 39 | < 0.1 | 7.8 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-15 | < 2 | < 5 | 6.4 | 360 | 7.3 | < 1 | 12 | 133 | < 1 | 2.11 | 6 | < 1 | < 5 | < 1 | 2.36 | 260 | < 15 | 0.3 | 7.8 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-16 | < 2 | < 5 | 5.9 | 360 | 5.8 | 1 | 13 | 113 | 1 | 2.23 | 7 | < 1 | < 5 | < 1 | 2.15 | < 20 | 36 | < 0.1 | 7.8 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-17 | < 2 | < 5 | 30.3 | < 50 | 3.7 | < 1 | 54 | 168 | < 1 | 4.75 | 16 | < 1 | < 5 | < 1 | 2.10 | < 20 | < 15 | < 0.1 | 13.3 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-18 | < 2 | < 5 | 21.3 | < 50 | 6.0 | < 1 | 33 | 101 | < 1 | 3.29 | 14 | < 1 | < 5 | < 1 | 1.92 | < 20 | < 15 | < 0.1 | 9.7 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-19 | 6 | < 5 | 8.8 | 420 | < 0.5 | 1 | 14 | 142 | < 1 | 2.57 | 6 | < 1 | < 5 | < 1 | 2.59 | < 20 | < 15 | 0.3 | 9.6 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-20 | < 2 | < 5 | 7.4 | 440 | 2.4 | < 1 | 15 | 135 | < 1 | 2.47 | 6 | < 1 | < 5 | < 1 | 2.65 | < 20 | 65 | 0.2 | 9.8 | < 3 | < 0.02 | < 0.05 | < 0.5 |
| BBA-16-21 | < 2 | < 5 | 6.3 | 380 | 9.7 | 1 | 12 | 109 | 2 | 2.16 | 8 | < 1 | < 5 | < 1 | 1.99 | < 20 | 46 | 0.2 | 7.4 | < 3 | < 0.02 | < 0.05 | < 0.5 |

Results

Activation Laboratories Ltd.

Report: A16-10216

| Analyte Symbol | Th | U | W | Zn | La | Ce | Nd | Sm | Eu | Tb | Yb | Lu | Mass | Hg | Ag | Cd | Cu | Mn | Mo | Ni | Pb | Zn | S |
|----------------|------|-------|------|------|------|------|------|------|------|-------|------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Unit Symbol | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | g | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| Lower Limit | 0.2 | 0.5 | 1 | 50 | 0.5 | 3 | 5 | 0.1 | 0.2 | 0.5 | 0.2 | 0.05 | | 1 | 0.2 | 0.5 | 1 | 2 | 2 | 1 | 2 | 1 | 0.001 |
| Method Code | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | AR-ICP | AR-ICP | AR-ICP | AR-ICP | AR-ICP | AR-ICP | AR-ICP | AR-ICP | AR-ICP | AR-ICP |
| BBA-16-01B | 8.3 | 3.9 | < 1 | 210 | 33.2 | 97 | 19 | 5.9 | 1.3 | < 0.5 | 3.0 | 0.17 | 27.4 | < 1 | < 0.2 | < 0.5 | 38 | 541 | 6 | 35 | 13 | 121 | 0.035 |
| BBA-16-01 | 5.6 | < 0.5 | < 1 | < 50 | 15.6 | 37 | < 5 | 2.7 | 0.4 | < 0.5 | 0.9 | 0.09 | 11.7 | < 1 | 0.2 | < 0.5 | 46 | 307 | 2 | 15 | 10 | 49 | 0.038 |
| BBA-16-02 | 5.5 | 1.0 | < 1 | < 50 | 18.0 | 51 | 6 | 3.3 | 0.6 | < 0.5 | 1.5 | 0.07 | 12.3 | < 1 | < 0.2 | < 0.5 | 21 | 219 | < 2 | 29 | 6 | 25 | 0.020 |
| BBA-16-03 | 6.2 | 0.8 | < 1 | < 50 | 16.6 | 43 | 17 | 3.0 | 0.4 | < 0.5 | 0.9 | 0.07 | 14.4 | < 1 | < 0.2 | < 0.5 | 15 | 211 | < 2 | 36 | 5 | 24 | 0.026 |
| BBA-16-04 | 7.2 | 3.1 | < 1 | < 50 | 45.4 | 78 | 63 | 8.2 | 1.6 | < 0.5 | 2.0 | 0.13 | 27.7 | < 1 | < 0.2 | < 0.5 | 49 | 249 | < 2 | 48 | 8 | 19 | 0.015 |
| BBA-16-05 | 5.4 | 1.4 | < 1 | < 50 | 15.2 | 54 | 8 | 2.6 | 0.6 | < 0.5 | 1.0 | 0.06 | 28.5 | < 1 | < 0.2 | < 0.5 | 27 | 140 | < 2 | 43 | 5 | 15 | 0.013 |
| BBA-16-06 | 5.1 | 1.0 | < 1 | 80 | 14.7 | 52 | 17 | 2.6 | 0.6 | < 0.5 | 1.1 | < 0.05 | 28.1 | < 1 | < 0.2 | < 0.5 | 24 | 134 | < 2 | 40 | 4 | 14 | 0.012 |
| BBA-16-07 | 6.9 | 1.6 | < 1 | < 50 | 18.2 | 64 | 11 | 3.1 | 0.7 | < 0.5 | 1.2 | 0.07 | 31.3 | < 1 | < 0.2 | < 0.5 | 10 | 193 | < 2 | 55 | 3 | 15 | 0.008 |
| BBA-16-08 | 5.4 | 1.7 | < 1 | 420 | 22.4 | 44 | 19 | 3.7 | 0.9 | < 0.5 | 1.5 | 0.08 | 25.8 | < 1 | < 0.2 | < 0.5 | 81 | 186 | < 2 | 417 | 5 | 504 | 0.015 |
| BBA-16-09 | 5.9 | 1.0 | < 1 | < 50 | 15.0 | 45 | 13 | 2.6 | 0.6 | < 0.5 | 1.0 | 0.06 | 27.5 | < 1 | < 0.2 | < 0.5 | 10 | 270 | < 2 | 55 | 5 | 21 | 0.013 |
| BBA-16-10 | 5.2 | 1.3 | < 1 | < 50 | 18.8 | 52 | 15 | 3.2 | 0.7 | < 0.5 | 1.3 | 0.07 | 29.1 | < 1 | < 0.2 | < 0.5 | 17 | 147 | < 2 | 48 | 5 | 17 | 0.012 |
| BBA-16-11 | 6.4 | 1.3 | < 1 | < 50 | 16.1 | 40 | 11 | 2.7 | 0.6 | < 0.5 | 1.2 | 0.05 | 26.9 | < 1 | < 0.2 | < 0.5 | 10 | 142 | < 2 | 27 | 3 | 17 | 0.014 |
| BBA-16-12 | 5.6 | 1.5 | < 1 | < 50 | 16.2 | 60 | 20 | 2.9 | 0.6 | < 0.5 | 1.1 | 0.05 | 30.3 | < 1 | < 0.2 | < 0.5 | 13 | 190 | < 2 | 55 | 4 | 16 | 0.007 |
| BBA-16-12B | 7.8 | 4.1 | < 1 | 140 | 32.4 | 102 | 30 | 6.0 | 1.4 | < 0.5 | 3.2 | 0.16 | 26.8 | < 1 | < 0.2 | < 0.5 | 38 | 574 | 5 | 40 | 14 | 127 | 0.022 |
| BBA-16-13 | 6.4 | 1.6 | < 1 | 70 | 13.2 | 44 | 9 | 2.3 | 0.7 | < 0.5 | 1.1 | 0.05 | 22.6 | < 1 | < 0.2 | < 0.5 | 25 | 184 | < 2 | 39 | 6 | 41 | 0.026 |
| BBA-16-14 | 7.0 | < 0.5 | < 1 | < 50 | 19.4 | 56 | 13 | 3.5 | 0.7 | < 0.5 | 1.3 | 0.06 | 31.9 | < 1 | < 0.2 | < 0.5 | 8 | 182 | < 2 | 28 | 3 | 14 | 0.007 |
| BBA-16-15 | 4.3 | < 0.5 | < 1 | < 50 | 13.7 | 55 | 12 | 2.6 | 0.6 | < 0.5 | 1.1 | 0.06 | 30.3 | < 1 | < 0.2 | < 0.5 | 18 | 165 | < 2 | 49 | 4 | 16 | 0.010 |
| BBA-16-16 | 5.3 | 2.6 | < 1 | 60 | 14.6 | 41 | 7 | 2.5 | 0.5 | < 0.5 | 1.3 | < 0.05 | 28.7 | < 1 | < 0.2 | < 0.5 | 13 | 183 | < 2 | 44 | 4 | 19 | 0.011 |
| BBA-16-17 | 14.8 | < 0.5 | < 1 | < 50 | 47.6 | 402 | 75 | 7.3 | 0.4 | < 0.5 | 2.8 | 0.27 | 1.20 | < 1 | < 0.2 | < 0.5 | 180 | 1040 | 2 | 69 | 23 | 36 | 0.015 |
| BBA-16-18 | 12.3 | < 0.5 | < 1 | < 50 | 33.0 | 165 | 34 | 5.4 | 1.3 | < 0.5 | 1.9 | 0.22 | 2.40 | < 1 | < 0.2 | < 0.5 | 79 | 721 | < 2 | 51 | 14 | 31 | 0.016 |
| BBA-16-19 | 7.3 | 2.2 | < 1 | < 50 | 20.6 | 127 | 20 | 3.5 | 0.8 | < 0.5 | 1.4 | 0.05 | 24.1 | < 1 | < 0.2 | < 0.5 | 58 | 305 | < 2 | 44 | 12 | 23 | 0.024 |
| BBA-16-20 | 6.2 | 1.4 | < 1 | < 50 | 20.9 | 125 | 16 | 3.7 | 0.8 | < 0.5 | 1.3 | 0.07 | 27.0 | < 1 | < 0.2 | < 0.5 | 49 | 274 | < 2 | 41 | 11 | 21 | 0.021 |
| BBA-16-21 | 5.8 | 1.9 | < 1 | < 50 | 17.1 | 48 | 13 | 3.0 | 0.8 | < 0.5 | 1.3 | 0.07 | 29.1 | < 1 | < 0.2 | < 0.5 | 14 | 154 | < 2 | 29 | 6 | 15 | 0.015 |

| Analyte Symbol | Au | As | Ba | Co | Cr | Fe | Na | Sb | Sc | U | La | Ce | Sm | Hg | Ag | Cd | Cu | Mn | Mo | Ni | Pb | Zn | S |
|-------------------------|------|-------|------|------|------|--------|--------|-------|-------|-------|-------|------|-------|--------|--------|--------|----------|--------|--------|--------|--------|--------|---------|
| Unit Symbol | ppb | ppm | ppm | ppm | ppm | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % |
| Lower Limit | 2 | 0.5 | 50 | 1 | 5 | 0.01 | 0.01 | 0.1 | 0.1 | 0.5 | 0.5 | 3 | 0.1 | 1 | 0.2 | 0.5 | 1 | 2 | 2 | 1 | 2 | 1 | 0.001 |
| Method Code | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | AR-ICP | AR-ICP | AR-ICP | AR-ICP | AR-ICP | AR-ICP | AR-ICP | AR-ICP | AR-ICP | AR-ICP |
| GXR-1 Meas | | | | | | | | | | | | | | 3 | 28.0 | 1.7 | 1050 | 751 | 13 | 30 | 603 | 612 | 0.191 |
| GXR-1 Cert | | | | | | | | | | | | | | 3.90 | 31.0 | 3.30 | 1110 | 852 | 18.0 | 41.0 | 730 | 760 | 0.257 |
| GXR-4 Meas | | | | | | | | | | | | | | < 1 | 3.6 | < 0.5 | 6470 | 151 | 330 | 37 | 61 | 87 | 1.708 |
| GXR-4 Cert | | | | | | | | | | | | | | 0.110 | 4.0 | 0.860 | 6520 | 155 | 310 | 42.0 | 52.0 | 73.0 | 1.77 |
| GXR-6 Meas | | | | | | | | | | | | | | < 1 | 0.3 | < 0.5 | 69 | 963 | < 2 | 23 | 106 | 118 | 0.157 |
| GXR-6 Cert | | | | | | | | | | | | | | 0.0680 | 1.30 | 1.00 | 66.0 | 1010 | 2.40 | 27.0 | 101 | 118 | 0.0160 |
| SdAR-M2 (U.S.G.S.) Meas | | | | | | | | | | | | | | 1 | | 4.5 | 247 | | 14 | 48 | 784 | 765 | |
| SdAR-M2 (U.S.G.S.) Cert | | | | | | | | | | | | | | 1.44 | | 5.1 | 236.0000 | | 13.3 | 48.8 | 808 | 760 | |
| DMMAS 120 Meas | 756 | 1900 | 970 | 46 | 145 | 3.45 | 2.04 | 7.3 | 6.4 | 14.7 | 17.2 | 32 | 2.6 | | | | | | | | | | |
| DMMAS 120 Cert | 727 | 1790 | 1270 | 47.0 | 138 | 3.54 | 2.16 | 7.30 | 6.50 | 11.7 | 17.6 | 32.0 | 2.70 | | | | | | | | | | |
| DMMAS 120 Meas | 838 | 1850 | 970 | 48 | 174 | 3.60 | 2.01 | 7.8 | 6.4 | 12.2 | 17.0 | 39 | 2.8 | | | | | | | | | | |
| DMMAS 120 Cert | 727 | 1790 | 1270 | 47.0 | 138 | 3.54 | 2.16 | 7.30 | 6.50 | 11.7 | 17.6 | 32.0 | 2.70 | | | | | | | | | | |
| DMMAS 120 Meas | 749 | 1810 | 990 | 46 | 147 | 3.54 | 2.02 | 6.9 | 6.5 | 14.3 | 17.3 | 34 | 2.5 | | | | | | | | | | |
| DMMAS 120 Cert | 727 | 1790 | 1270 | 47.0 | 138 | 3.54 | 2.16 | 7.30 | 6.50 | 11.7 | 17.6 | 32.0 | 2.70 | | | | | | | | | | |
| Method Blank | | | | | | | | | | | | | | < 1 | < 0.2 | < 0.5 | < 1 | < 2 | < 2 | < 1 | < 2 | < 1 | < 0.001 |
| Method Blank | | | | | | | | | | | | | | < 1 | < 0.2 | < 0.5 | < 1 | < 2 | < 2 | < 1 | < 2 | < 1 | < 0.001 |
| Method Blank | < 2 | < 0.5 | < 50 | < 1 | < 5 | < 0.01 | < 0.01 | < 0.1 | < 0.1 | < 0.5 | < 0.5 | < 3 | < 0.1 | | | | | | | | | | |

| Analyte Symbol | Ag | Br | Ca | Cs | Hf | Hg | Ir | Mo | Ni | Rb | Se | Sn | Sr | Ta | Th | W | Zn | Nd | Eu | Tb | Yb | Lu | Mass |
|-------------------------|------|-------|------|------|------|------|------|------|------|------|------|--------|--------|-------|-------|------|------|------|-------|-------|-------|--------|------|
| Unit Symbol | ppm | ppm | % | ppm | ppm | ppm | ppb | ppm | ppm | ppm | ppm | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | g |
| Lower Limit | 5 | 0.5 | 1 | 1 | 1 | 1 | 5 | 1 | 20 | 15 | 3 | 0.02 | 0.05 | 0.5 | 0.2 | 1 | 50 | 5 | 0.2 | 0.5 | 0.2 | 0.05 | |
| Method Code | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA | INAA |
| GXR-1 Meas | | | | | | | | | | | | | | | | | | | | | | | |
| GXR-1 Cert | | | | | | | | | | | | | | | | | | | | | | | |
| GXR-4 Meas | | | | | | | | | | | | | | | | | | | | | | | |
| GXR-4 Cert | | | | | | | | | | | | | | | | | | | | | | | |
| GXR-6 Meas | | | | | | | | | | | | | | | | | | | | | | | |
| GXR-6 Cert | | | | | | | | | | | | | | | | | | | | | | | |
| SdAR-M2 (U.S.G.S.) Meas | | | | | | | | | | | | | | | | | | | | | | | |
| SdAR-M2 (U.S.G.S.) Cert | | | | | | | | | | | | | | | | | | | | | | | |
| DMMAS 120 Meas | | | | | | | | | | | | | | | | | | | | | | | |
| DMMAS 120 Cert | | | | | | | | | | | | | | | | | | | | | | | |
| DMMAS 120 Meas | | | | | | | | | | | | | | | | | | | | | | | |
| DMMAS 120 Cert | | | | | | | | | | | | | | | | | | | | | | | |
| DMMAS 120 Meas | | | | | | | | | | | | | | | | | | | | | | | |
| DMMAS 120 Cert | | | | | | | | | | | | | | | | | | | | | | | |
| Method Blank | | | | | | | | | | | | | | | | | | | | | | | |
| Method Blank | | | | | | | | | | | | | | | | | | | | | | | |
| Method Blank | < 5 | < 0.5 | < 1 | < 1 | < 1 | < 1 | < 5 | < 1 | < 20 | < 15 | < 3 | < 0.02 | < 0.05 | < 0.5 | < 0.2 | < 1 | < 50 | < 5 | < 0.2 | < 0.5 | < 0.2 | < 0.05 | 1.00 |

Burda Property Knight Township, Ontario



Legend

- Burda Property
- Block A Claims
- Block A Leases

