# 2015 FALL ASSESSMENT REPORT

# 2015 PROSPECTING AND TARGET EVALUATION ON THE NORTHERN PORTION OF THE FLINT LAKE PROPERTY, KENORA MINING DIVISION, NORTHWESTERN ONTARIO

## NTS MAP SHEET 52F/05SW

January, 2016

TABLE OF CONTENTS



**List of Tables**



**List of Figures**



**List of Appendices**

## 1.0 INTRODUCTION

During the period of October 5th to October 6th, 2015, Metals Creek Resources (MEK) personnel conducted a prospecting program on the northern portion of the Flint Lake Property. The northern portion of the Flint Lake Property contains 20 unpatented staked mining claims, currently registered to Metals Creek Resources, North American Uranium (NAUC), or under an option/JV agreement with NAUC and Endurance Gold Corp (EDG). North American Uranium Corp. is a 100% owned subsidiary of Metals Creek Resources Corp. The 239 unit claim group is located within the Kenora Mining District in Northwestern Ontario. The purpose of this prospecting program was to examine previously underexplored areas within Metals Creek's claim boundaries where favourable lithologies have been historically encountered nearby, while also ground truthing portions of the property where very little exploration work has been completed.

## 2.0 TERMS OF REFERENCE

Map projections are in UTM, North American Datum 83, Zone 15 and all referenced UTM coordinates are in this project unless stated otherwise. Contractions are "mm" = millimeter, "cm" = centimeter, "m" = meters, "km" = kilometers, "g" = gram, "kg" = kilogram, "in" = inch, "ft" = foot, "lb" = pound, "oz" = troy ounce, "oz/ton" = troy ounce per short ton, "g/T" is grams per metric tonne, and "ddh" = diamond drill hole.

## 3.0 LOCATION AND ACCESS

The Flint Lake Property is located within the Kenora Mining District in Northwestern Ontario, within the Dogpaw Lake Area. The property is located within the NTS Map Sheet 52F/05SW as well as portions of 52F/05SE. The Flint Lake property is located approximately 55 km southeast of the town of Kenora (Figures 1 & 2).

The various claims of the Flint Lake Property can be accessed by either boat, ski-doo or road. Highway 71, a paved highway transects the western portion of the property and runs mainly north-south.

The Cameron Lake road runs east from Highway 71 through the southern portion of the northern block on the Flint Lake Property. This road continues on to the Cameron Lake Gold Project currently being evaluated by Chalice Gold Mines Ltd.

Lake access can be gained via these roads to enable access to other portions of the property by boat or Ski-Doo.

## 4.0 CLAIM HOLDINGS AND PROPERTY DISPOSITION

The northern portion of MEK's Flint Lake Property consists of 20 unpatented, staked claims, totaling 239 units (Table 1, and Figure 2). These claims are either registered to North American Uranium Corp., Metals Creek Resources or under an option/JV agreement with Endurance Gold Corporation.

**Table 1: Flint Lake Land Tenure Data (northern portion)**

| Claim # | Units | Recorded Owner | Recorded | Expiry |
|---|---|---|---|---|
| 1221374 | 4 | Endurance Gold Corporation | 2001-Sep-26 | 2016-Sep-26 |
| 3001238 | 9 | Endurance Gold Corporation | 2002-Jul-02 | 2016-Jul-02 |
| 3001239 | 16 | Endurance Gold Corporation | 2002-Jul-02 | 2016-Jul-02 |
| 3001241 | 16 | Endurance Gold Corporation | 2002-Jul-02 | 2016-Jul-02 |
| 3003433 | 16 | Endurance Gold Corporation | 2002-Sep-03 | 2016-Sep-03 |
| 3003583 | 10 | Endurance Gold Corporation | 2003-Apr-22 | 2016-Apr-22 |
| 3003672 | 8 | Endurance Gold Corporation | 2002-Oct-15 | 2016-Oct-15 |
| 3010495 | 16 | Endurance Gold Corporation | 2002-Oct-15 | 2016-Oct-15 |
| 3010496 | 16 | Endurance Gold Corporation | 2002-Oct-15 | 2016-Oct-15 |
| 3012203 | 4 | Endurance Gold Corporation | 2003-Apr-22 | 2016-Apr-22 |
| 4213374 | 3 | North American Uranium Corp. | 2007-Mar-12 | 2016-Mar-12 |
| 4213375 | 16 | North American Uranium Corp. | 2007-Mar-12 | 2016-Mar-12 |
| 4213376 | 16 | North American Uranium Corp. | 2007-Mar-12 | 2016-Mar-12 |
| 4213377 | 16 | North American Uranium Corp. | 2007-Mar-12 | 2016-Mar-12 |
| 4213378 | 10 | North American Uranium Corp. | 2007-Mar-12 | 2016-Mar-12 |
| 4213379 | 16 | North American Uranium Corp. | 2007-Mar-12 | 2016-Mar-12 |
| 4213380 | 16 | North American Uranium Corp. | 2007-Mar-12 | 2016-Mar-12 |
| 4213381 | 12 | North American Uranium Corp. | 2007-Mar-12 | 2016-Mar-12 |
| 4251983 | 3 | Metals Creek Resources Corp. | 2011-Feb-09 | 2016-Feb-13 |
| 4251984 | 16 | Metals Creek Resources Corp. | 2011-Feb-09 | 2016-Feb-13 |

## 5.0 REGIONAL GEOLOGY

Metals Creek Resources' Flint Lake Property lies within the Archean Superior Craton aged 2.6-2.9 billion years as well as within the central portion of the east-west trending Wabigoon Subprovince.

The Superior Province is subdivided into subprovinces characterized by four combinations of distinctive rock types: volcano-plutonic; metasedimentary; gneissic or plutonic; and high-grade gneiss. The Wabigoon Subprovince is characterized by greenschist facies metamorphic greenstone belts consisting of metavolcanic rocks as well as sedimentary rocks, surrounded and intruded by felsic plutonic rocks.

The Wabigoon Subprovince has been further broken down (informally) by Blackburn et al (1991), into three regions: a Western, a Central and an Eastern Region. The Flint Lake Property lies within the Western Wabigoon region, "a series of interconnected greenstone belts surrounding large elliptical granitoid batholiths.....Volcanic sequences comprise ultramafic (komatiitic), through mafic (tholeiitic, calc-alkalic, and minor alkalic and komatiitic) types, to felsic (mostly calc-alkalic) rocks. Sedimentary sequences are mostly clastic rocks of alluvial fan-fluvial, resedimented (turbidite) and rare platformal facies. Minor chemical metasedimentary rocks are predominantly oxide iron formation." As well as granitoid batholiths, "Numerous smaller post-tectonic granitoid stocks intrude the

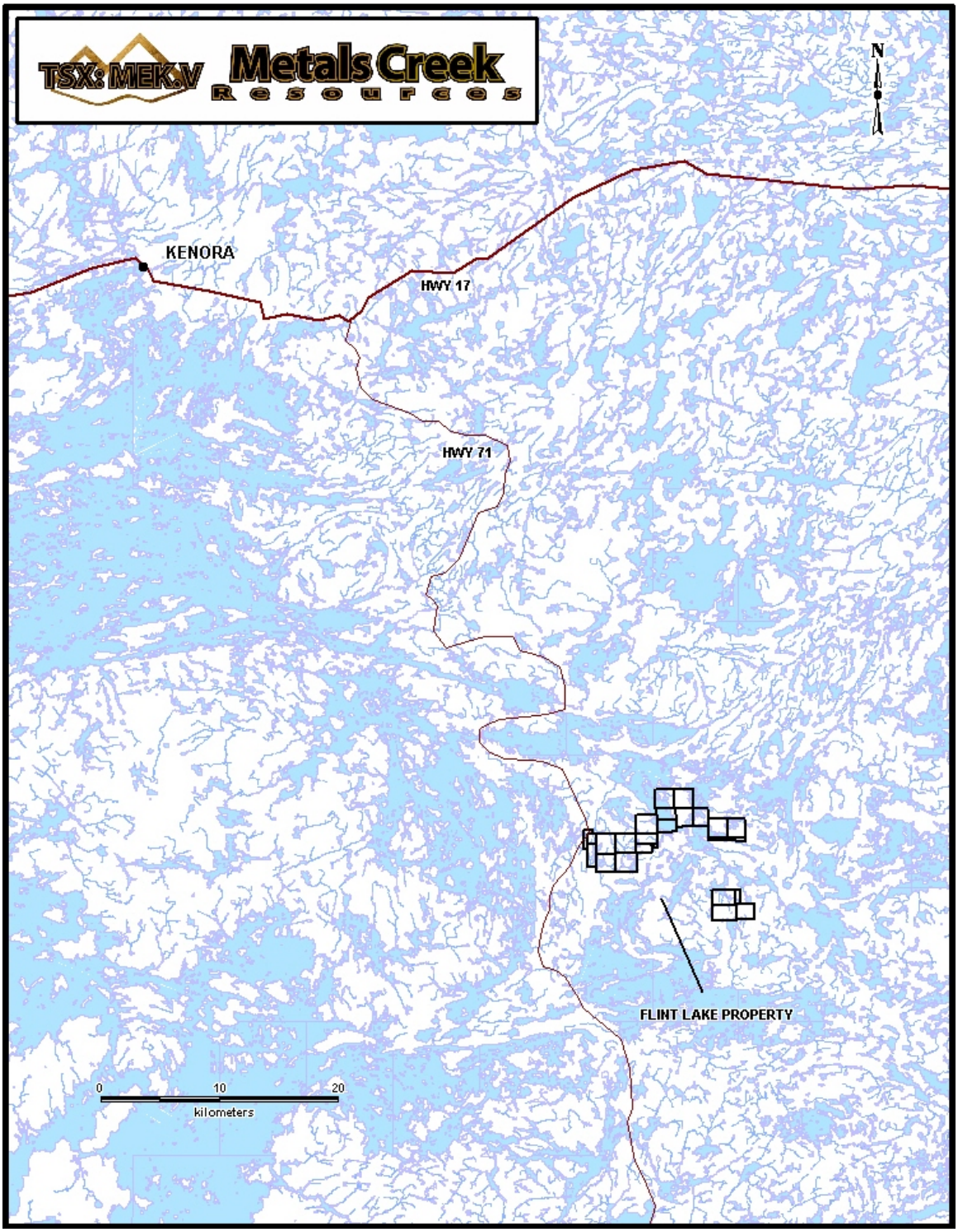


**Figure 1 – Regional Location Map**

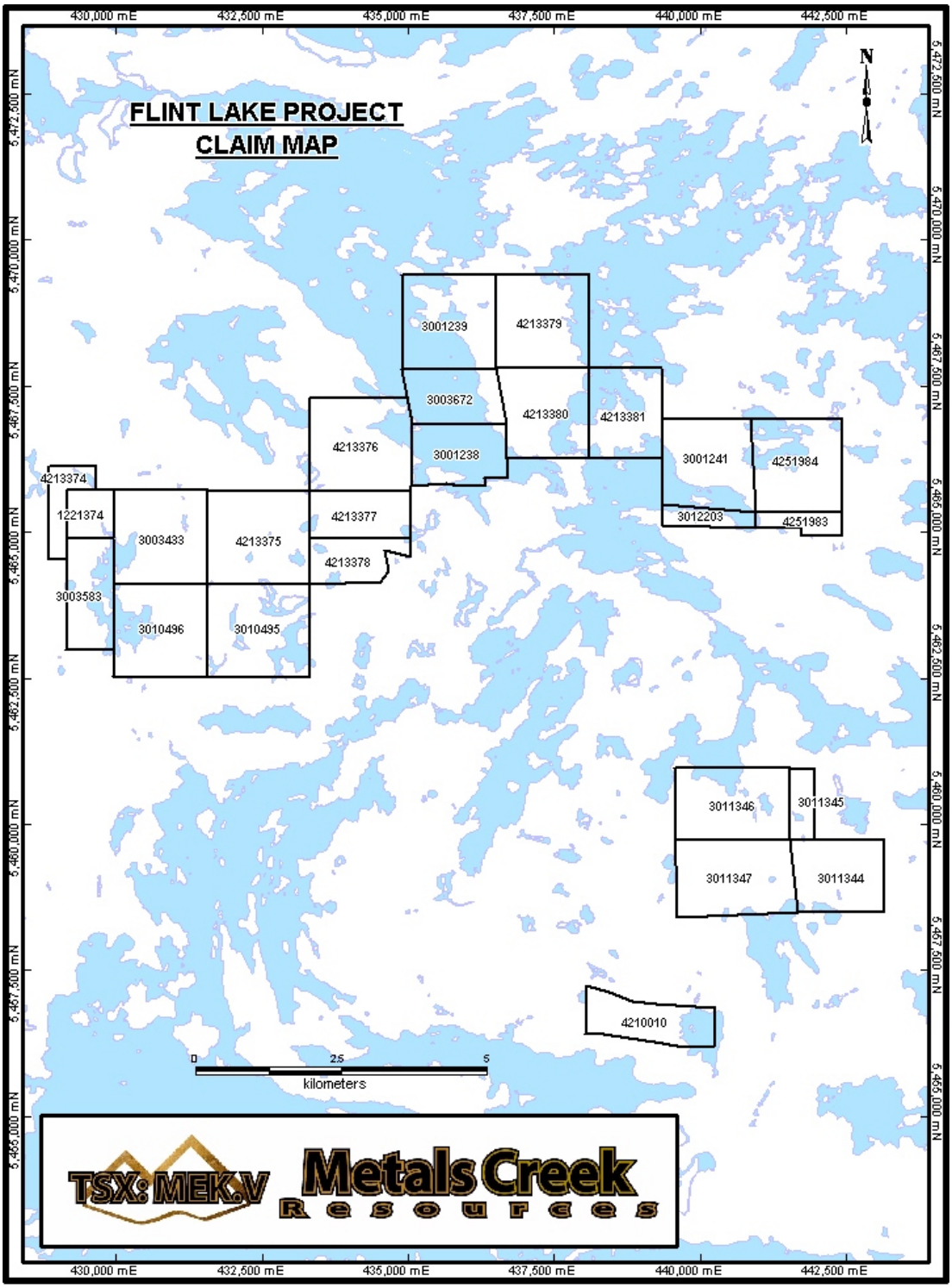


**Figure 2 – Claim Location Map**

greenstone belts. Mafic to ultramafic sills and stocks are marginal to batholiths or intrude the metavolcanic sequences." (Blackburn et al 1991, p. 305).

The Flint Lake Property overlies a significant portion of the Kakagi-Rowan Lakes Greenstone Belt. The belt is divided in two by the northwest-trending Pipestone-Cameron Deformation Zone. Although rock types and sequences on either side are similar, no unequivocal stratigraphic correlations have been made across the fault zone.

Southeast of the deformation zone, the correlative Snake Bay and Katimiagamak Lake Groups are the lowermost units. They face towards the centre of the belt, and are composed of mafic volcanic flows intruded by mafic sills. They are overlain by a thick, predominantly pyroclastic, volcanic sequence of mixed chemical composition varying from mafic through felsic, but predominantly intermediate. At their southeastern end they pass into sedimentary rocks (Thompson Bay sediments). This Kakagi Lake Group is in turn intruded by differentiated ultramafic (peridotite and pyroxenite) to mafic (gabbro) sills, called the Kakagi Sills.

Northeast of the Pipestone-Cameron Fault, the correlative Rowan Lake Volcanics and Populus Lake Volcanics are the lowermost, mafic units. They are folded about a northeast-trending anticline at Rowan Lake, and overlain on their south limb by the Cameron Lake Volcanics. The latter sequence is of mixed chemical composition, similar to the Kakagi Lake Group, but not necessarily correlative across the Pipestone-Cameron Fault. The Cameron Lake Volcanics are in turn overlain by the Brooks Lake Volcanics - an upper mafic sequence.

A number of late, post-tectonic stocks intrude the greenstone belts on either side of the Pipestone-Cameron Fault. These include from north to south, the Flora Lake, NolanLake, Stephen Lake, Phinney, and Dash Lakes Stocks.

## 6.0 PROPERTY GEOLOGY

The Flint Lake Property’s outer boundary incorporates, to the northeast of the Pipestone-Cameron Fault, a portion of the Rowan Lake Volcanics. The Rowan Lake Volcanics consist predominantly of massive and pillowed basaltic flows, with coarser gabbroic portions.

Southwest of the fault zone, Snake Bay group mafic volcanic flow rocks in the northwest of the property are in contact with pyroclastic rocks of the Kakagi Lake Group along the northwest shore of Emm Bay. This contact has important implications for mineralization. Snake Bay Group volcanics are predominantly massive to pillowed basaltic flows, containing coarser gabbroic bodies that are lenticular to irregular in shape. The latter are generally interpreted to be intrusive (e.g. Davies and Morin 1976a) rather than of flow origin.

The southern portion of the property is entirely underlain by Kakagi Lake Group rocks and the differentiated Kakagi Sills that intrude them. The combined sequence of

pyroclastic rocks and peridotite-to-gabbro sills has been folded about the major northeast-trending Emm Bay - Peninsula Bay Syncline.

In the southeast portion of the property, the late tectonic Stephen Lake Stock is intruded into the uppermost or youngest sequences of the Kakagi Lake Group pyroclastic rocks. The stock is described as being mostly heterogeneous by Davies and Morin (1976a): the main internal portion was mapped as massive granodiorite, while dioritic phases appear to characterize the marginal portions. Large angular xenoliths of mafic volcanic rock and gabbro are reported (Davies and Morin 1976a) within the stock, mostly close to its margin. Only the northwest portion of the stock lies outside the current property. The stock is elliptical in shape, with its long axis oriented in a northwest direction. This direction is both parallel to the trend of the major Pipestone - Cameron deformation zone and at right angles to the axial plane of the Emm Bay - Peninsula Bay syncline. Both of these latter structures may have exerted control on the emplacement of the stock, and also have influenced mineralization within it. Small bodies of felsic rock that lie along this northwest trend at Cedartree Lake may be satellitic to the Stephen Lake Stock.

A variety of felsic intrusions occur within the volcanic sequence, both as dikes and sills. They have been described as quartz porphyry, feldspar porphyry and quartz-feldspar porphyry are interpreted to predate the Stephen Lake Stock (Davies and Morin 1976a).

## 7.0 EXPLORATION HISTORY

**Property History**

The following property history has been compiled largely by Des Cullen P. Geo, 2007.

**1944: E.M. Robertson and Company** Gold mineralization was reported and diamond drilling was done on one of these groups of claims.

**1944: Frobisher Exploration Company Ltd.** Prospecting and drilling of 51 holes totaling (2344 ft total) on the discovery vein. Mostly trace amounts of gold over narrow widths were reported on assay: one high assay of 3.13 ounces gold per ton was reported over 1.8 feet.

**1944-5: Harry Silverman and Albert Gauthier** jointly held a group of claims at Dogpaw Lake, the major portions of which are included in parts of NAUC claims 3001239 and 4213379. Most of the work was done at two places, one on the west side of a small bay on the northeast shore of Dogpaw Lake (now known as the Gauthier Occurrence), and the other on the east side of the same bay. Sylvanite Gold Mines Ltd. optioned the property in 1944. Numerous carbonatized zones that were interpreted to strike in various directions were outlined, sampled and assayed, and values ranging from trace amounts to 2.40 ounces gold per ton from a grab sample were obtained.

**1960-2: Noranda Mines Ltd.** Geological mapping and drilling as follow-up to airborne geophysical survey. Six holes were drilled (1594 ft total).

**1961: Selco Exploration Company Ltd.** geologically mapped a group of claims north of Bag Lake, parts of which are included in NAUC claims 1221374 and 3003583. The claims were optioned from W.A. Johnston and associates and have come to be known as the Jenson-Johnston Prospect. Diamond drilling of 7 holes (1637 ft total). Grab samples taken prior to the drilling at the main occurrence assayed from trace to 0.50 ounces gold per ton, and the highest value obtained from drill core was 0.23 ounces gold per ton over a 2.5 ft core length.

**1973-4: Chester Kuryliw** did geological mapping and ground magnetic surveys over each of two of his claim groups, one at Dogpaw Lake, the other at Caviar and Flint Lakes.

**1975: Hudson Bay Exploration and Development Company Ltd.** conducted an airborne electromagnetic survey directed at base metals at Stephen Lake area.

**1980: Gulf Minerals Canada Ltd.** diamond drilled 9 holes (1058m total) in exploration for gold at the Knapp Prospect at the north end of Bag Lake.

**1980: Noranda Mines Ltd.** did ground magnetometer and IP surveys and geological mapping on their claim group between Flint and Corbett Lakes.

**1981: Noranda Mines Ltd.** completed ground magnetometer and IP survey over the Martin option generating several targets. The targets were drilled in a 7 diamond drillhole program. All drill holes were very short, under 100 feet, and intersected several quartz veins and zones of intense silicification. No assay results are listed.

**1983: Rio Canex Inc.** diamond drilled 3 holes at the north end of Weisner Lake on the same zone that had been previously tested for base metals by Noranda (1960-2) and Goldray (1971, 1975). However, these 3 holes were considerably longer (1849m or 6066 ft total).

**1983: Southwind Resources Explorations Ltd. (551970 Ontario Ltd.)** conducted ground magnetic and electromagnetic surveys on a claim group east of Weisner Lake, all but the eastern portion of which encompasses parts of NAUC claim 3011344.

**1983-4: FTM Resources Inc.** did magnetic and VLF electromagnetic surveys, a geological survey, stripping and trenching, sampling for assay and soil sampling, all over a claim group that straddled Dogpaw Lake and included the Gauthier Occurrence on the east shore. Assays of 1762ppb gold and 1913ppb gold were obtained from one of the new zones, and 0.686 and 0.275 ounces gold per ton from the older Gauthier Occurrence zone.

**1983, 86: FGM Management and Gold Corporation** sampled for gold on a group of claims at Dogpaw Lake that include parts or all of NAUC claim 3001239. These incorporate the Gauthier Occurrence, previously investigated by FTM Resources Ltd. in

1983-1984. No sample location map is available in the Assessment Files; however, assays above 1 ounce gold per ton were obtained from 4 samples, including one of 3.95 ounce gold per ton from a quartz vein. Three holes were diamond drilled (699 ft total), all to intersect a northwest-trending shear at the Gauthier Occurrence: best assay reported was 0.062 ounce gold per ton for a 1.4 ft core length.

**1983,84: Frances Resources Ltd.** stripping, preparation of portal and shaft sinking on the number 3 vein in the Wensley Occurrence previously held by Noranda and Roy A. Martin and called the Martin Option. The portal lies on NAUC claim 4210010.

**1984: Rolls Resources Ltd. (539258 Ontario Ltd.)** ground magnetic and electromagnetic surveys over a claim group at and southeast of Little Stephen Lake that included parts of NAUC claims 3011344, 3011345 and 3011346.

**1984: Sault Meadows Energy Corporation** flew airborne magnetic and electromagnetic surveys over three widely separated areas at the north end of Emm Bay, between Flint and Caviar Lakes, and between Cedartree and Wicks Lakes that covered a number of NAUC claims in those areas.

**1984-5: Flint Rock Mines Ltd**. completed geological mapping and airborne electromagnetic and magnetic surveys directed at gold exploration over a claim group between Little Stephen and Weisner Lakes.

**1984, 86: Micham Exploration Inc.** completed an airborne electromagnetic and magnetic surveys, geological mapping and follow-up diamond drilling directed at gold exploration on a group of claims between Dogpaw, Caviar and Flint Lakes, that included the Flint Lake Mine Occurrence. The claims are included in all or parts of NAUC claims 4213379, 3003672, 3001238, 4213380, 4213381 and 3001241. A new gold showing north of the mine assayed 263 ppb gold; while a 902 ppb assay was obtained from an outcrop adjacent to a regionally extensive Proterozoic age diabase dike located close to the south end of Dogpaw Lake. The drilling consisted of four holes (543 ft total) all drilled to test the zone that hosts the Flint Lake Mine Occurrence: trace amounts of gold were typically assayed, the best assay being 0.014 ounce gold per ton over a 2 ft core length. Eighteen samples of "cobbed ore" taken from the old stockpile at the mine assayed from trace to 8.36 ounces gold per ton, for an average of 2.70 ounces per ton.

**1985-9: Dunfrazier Gold Corporation Inc**. acquired by staking a large claim holding now included in portions or all of NAUC claims 1221374, 3003433, 3010496, 4213375, 4213377, 3010495 and 3003583. Over a 5-year period, geological, magnetic and biogeochemical surveys were conducted over all or portions of the ground, and follow-up diamond drilling, trenching and sampling for assay done, all directed at gold exploration. Ogden (1985a) identified numerous targets and was of the opinion that strong north trending zones had not been recognized in previous work including drilling by Gulf Minerals Canada Ltd. in 1980. In 1985, 10 holes (3920 ft total) were drilled on various targets (Ogden 1985b). Four holes were drilled on the Knapp prospect, previously drilled by Gulf: Ogden targeted two of these holes to test one of the northerly lineaments.

Anomalous gold values were obtained on assay, the highest being 1200 ppb over a 2.7 ft core length and 6795 ppb over a 2.5 ft length.

**1987-8: Granges Exploration Ltd.** opened up a trench on present NAUC claim 1221374, from which 6 samples were taken for assay, the highest returning 14.30 grams per tonne across 1m. Subsequently the company did electromagnetic and magnetic surveys across a claim group that included NAUC claims 1221374 and 3003583. Diamond drilling of 12 holes (1390m total) was done to test northerly-trending geophysical targets. Seven of the holes were drilled in the vicinity of the Jenson-Johnston Prospect, which was previously examined and drilled by Selco in 1961, south of, but close to the Cameron Lake Road. The rest were located to the south, on the west side of Bag Lake: two of the holes lay just outside and to the west of the NAUC claim group. The drilling confirmed gold at the original occurrence, with a best assay of 34.90 grams per tonne for a core length of 0.25 m.

**1988: Joe Hinzer and John Ternowesky** conducted an airborne magnetic and electromagnetic survey over a claim group that extended from the north end of Mongus Lake north-northwestward to Little Stephen Lake and included Weisner Lake.

**1988 Teeshin Resources** completed a large exploration program including diamond drilling and 350 feet of drifting on the number 3 vein on the Wensley Occurrence, now NAUC claim 4210010. Conclusions of the program were that the gold is in the vein only and so limited to narrow, uneconomic widths. Further exploration was recommended to further investigate the potential of the vein down dip and along strike.

**1997-8: Avalon Ventures Ltd.**, conducted: a ground magnetometer survey, an induced polarization/resistivity survey, geological mapping, rock geochemistry and soil sampling (mobile metal ion technology), on a claim group that covers part or all of NAUC claims 4213381 and 3001241.

**1997-9: Starcore Resources Ltd.** conducted a ground magnetometer survey, an induced polarization/resistivity survey, geological mapping, rock geochemistry and soil sampling (mobile metal ion technology) on a claim group that covers parts or all of NAUC claims 3001238, 3001239, 4213379, 4213380 and 3003672.

**1997-8, 2000: Hornby Bay Exploration Ltd**. conducted an airborne electromagnetic and magnetic survey over a large claim group that encompassed most of Kakagi Lake, eastward to Cameron Lake and northwestward to Cedartree Lake. A prospecting reconnaissance of the entire area was done in 1997-1998. However, no gold values were obtained on assay of samples taken on present NAUC ground. Detailed geological mapping was done in small selected areas in 2000, including west of Wicks Lake on leased claim CLM368.

**1998: Ken Fenwick**, as part of a prospecting program on his claims in the vicinity of Highway 71 that included NAUC claims 1221374 and 3003583, obtained gold assays of

1100 ppb and 1500 ppb from shear zones close to the Cameron Lake road in proximity to the Jenson-Johnston Prospect.

**2000: Hornby Bay Exploration Limited** completed a short, four day, geological mapping program over the Wensley Occurrence covering NAUC claim 4210010. High grade gold assays were returned from grab samples in the area as well as elevated PGM values.

**2003: 6172342 Canada Ltd.**, as part of a prospecting program on their claims in the vicinity of northeast Bag Lake, (that currently include NAUC claims 1221374 and 3003433), grab sampling obtained gold assays ranging between 123 ppb and 47746 ppb, from twenty-two samples.

**2004: 6172342 Canada Ltd.,** as part of a short reconnaissance mapping program on their claim 3001275 (now NAUC's claim 4215379) in the vicinity of central Cedartree Lake and the historical Robertson Occurrence - grab sampling obtained no significant gold or PGE assays, from thirty samples.

**2003-2004: Endurance Gold Corp.** completed a series of exploration programs on the Flint Lake Property between the summer of 2003 and the fall of 2004 (following compilation work by Cunniah Lake Inc.). The work comprised prospecting, geological mapping, sampling, diamond drilling, line cutting, humus sampling, and airborne geophysics. Two new showings were discovered during this work, the Starlyght and the New Dogpaw Showings. Exploration completed by Endurance Gold Corp. on the Starlyght Showing fifteen grab samples taken in the area returned assayed gold values ranging from 3,189 ppb to 47,290 ppb. During the period February 28 through March 19, 2004, a seven hole, 850.4 metre diamond drilling program was completed on the Starlyght Showing and returned results up to 4.71 g/t Au over 0.3 metres.

**2007: North American Uranium Corp.** completed a 3 hole diamond drilling program during March 2007, in the vicinity of the Starlyght and Weisner Lake North Showings for a total of 765.0 meters. Two of the holes were laid out to test the Starlyght Occurrence while the third tested the Weisner Lake North Showing. The holes were oriented to test and intersect gold mineralization related to a strong, complex fracture-alteration system trending roughly north-south within the granodioritic Stephen Lake Stock. All three holes intersected zones of variably altered and mineralized granitic rocks, with altered-mineralized zones exhibiting variable silicification, iron-carbonate, potassium feldspar, sericite, epidote, chlorite and variable pyrite. Highlighted assays included 1.178g/t Au over 7.7m in hole DP-07-08, 1.4g/t Au over 5.0m in hole DP-07-09, and 0.564g/t Au over 3.8m in hole DP-07-10.

**2008: Metals Creek Resources Corp.** initiated a 2 week prospecting and mapping program to evaluate the property for gold potential, to become familiar with historic showings and to compile a basic geology map on the recently cut grid on the shore of Dogpaw Lake.

**2009: Metals Creek Resources Corp.** conducted a phase of prospecting of its northern claim block that encompassed areas around Flint and Caviar Lakes, Dogpaw Lake, as well as Bag Lake. With the prospecting, the Flint Lake mine site was located and high-grade gold values up to 133.206 g/t Au were reproduced, as historic assay certificates from the area had returned up to 8.36 oz/t Au in grab samples from Nuinsco Resources Ltd in 1986. Visible outcrop from the historic trenching was mapped. A majority of the quartz veining was historically blasted and removed from the trench and placed into muck piles at the northwestern end of the dugout area. Mapping was performed mainly of the wall rock with little exposed rock on the bottom of the trench. North-south traverses were conducted along the Flint Lake claim block for the purpose of prospecting and to map in lithologies to gain a better understanding of the geology on the property. Numerous historic, small pits were located as well as shear zones, most with similar geology to that of the Flint Lake Mine site. The area around another historic showing named Flint Lake North, approximately 1.6km northwest of the Flint Lake Mine site, was prospected with a fair amount of success. The original blasted trench and rubble piles were located and sampled as well as a new showing to the southeast towards the Flint Lake Mine site. The newly discovered area appears to be a silicified mafic volcanic hosted by a strongly iron carbonated shear zone containing up to 15% pyrite locally.
Prospecting was also done along strike of the Bag Lake South showing and returned favourable lithologies as a widening quartz-carbonate flooded shear zone was sampled roughly 100m to the northwest. The original Bag Lake South showing, which in 2008 returned gold values of 15.906g/t, was manually stripped to expose a 20cm to 1.0m wide quartz vein and anything that was possible of what appeared to be a larger silicified dioritic body. Channel cuts were taken every 5 meters along the trench with samples being broken out by rock type. Samples were taken of massive mafic volcanics, sheared mafic volcanics, massive quartz veining and silicified diorite.
One day was spent examining thin quartz veins at the southern end of Dogpaw Lake as well as prospecting around the historically worked Gauthier Occurrence. The quartz veins at the south end of Dogpaw Lake were sampled in 2008 with some sporadic gold values obtained. Due to the height of the water in 2009, mapping of these areas was difficult as most of the previous sampling was covered by water. Areas that were visible showed larger, rusty, carbonatized shear zones hosting thin, boudin-like quartz veins ranging from 5cm up to 0.7m wide.

**2012: Metals Creek Resources Corp.** conducted a mechanical trenching program in the areas of the Flint Lake high-grade quartz veins and the Stephens Lake Stock. Five trenches were completed at Flint Lake and six at Stephens Lake. Washing and channel sampling of the trenches was done in both locations. Assay results of 7.80g/t Au over 3.1m was attained from quartz flooding in the vicinity of the Flint Lake mine. The lower-grade and more pervasive mineralization was obtained from the Stephens Lake trenching, yielding 1.43g/t Au over 21.0m.

**2013: Metals Creek Resources Corp.** conducted a phase of prospecting focusing mainly along claim boundaries of its northern claim block encompassing the areas around Flint Lake, Caviar Lake, Dogpaw Lake, as well as Bag Lake. This small work program consisted of 13 grab samples, two of which returned anomalous results of 0.435g/t Au

and 0.187g/t Au on the shores of Caviar Lake and Dogpaw Lake respectively, where follow-up work was recommended.

**2014: Metals Creek Resources Corp.** conducted two prospecting programs to examine previously underexplored areas within Metals Creek's claim boundaries where favourable lithologies have been historically encountered. These areas included felsic intrusive units, which have previously shown to be anomalous in gold over vast areas, as well as smaller shear zones with the possibility of mineralized and auriferous quartz veining, stock working or blowouts. These programs were a direct attempt at more systematic sampling program to show any bulk tonnage, and to a lesser degree, high grade potential on the northern section of the property. Sporadic anomalous to low-grade values were encountered within the felsic intrusive units at Bag Lake, as well as in local shear zones east of the Flint Lake trenching.

**2015: Metals Creek Resources Corp.** conducted follow-up prospecting programs to examine previously underexplored areas within the Metals Creek claim boundary, which have not historically been ground truthed by MEK personnel. These areas included felsic intrusive units uncovered in 2014, which have previously shown to be anomalous in gold over vast areas. The prospecting also targeted smaller shear zones within the Bag Lake area with the possibility of mineralized and auriferous quartz veining, stock working or blowouts. These programs were a direct attempt at more systematic sampling program to show any bulk tonnage, and to a lesser degree, high grade potential on the northern section of the property. Sporadic anomalous to low-grade values were encountered within the felsic intrusive units at Bag Lake and minor anomalous gold values returned from the south ends of Dogpaw and Caviar Lakes.

## 8.0 CURRENT PROGRAM

During the period of October 5$^{th}$ to October 6$^{th}$, 2015, Metals Creek Resources personnel conducted a prospecting program focusing on underexplored sections of the East Flint Lake and West Bag Lake areas. 32 grab samples were taken from the Flint/Bag Lake areas within claim numbers 1221374, 3003583 and 4251984. The samples taken from the eastern portion of the Flint Lake Area (claim 4251984), were typically weakly to moderately altered mafic volcanic rocks with trace fine-grained pyrite. Local samples were also taken from the sporadically anomalous Flint Lake trend and returned one anomalous result of 330 ppb from sample JMM-15-055. Sample JMM-15-055 was taken from a carbonatized and moderately altered shear zone hosting thin quartz stringers and veinlets over a 0.5m width. The target areas north of the main Flint Lake trend returned no significant values or lithologies of interest. Samples were also taken from claims 1221374 and 3003583 with no anomalous gold values returned. The lithologies encountered were slightly intermediate to mostly mafic volcanic showing various amounts of weak to moderate alteration and silicification. Quartz-feldspar porphyry was uncovered and sampled with JMM-15-045. The quartz-feldspar porphyry units in the Bag Lake Area have historically shown sporadic anomalous gold values associated with increased carbonatization and sulphide content. Sample JMM-15-045 did not return significant gold values from the thin portion of these property scale quartz-feldspar dikes.

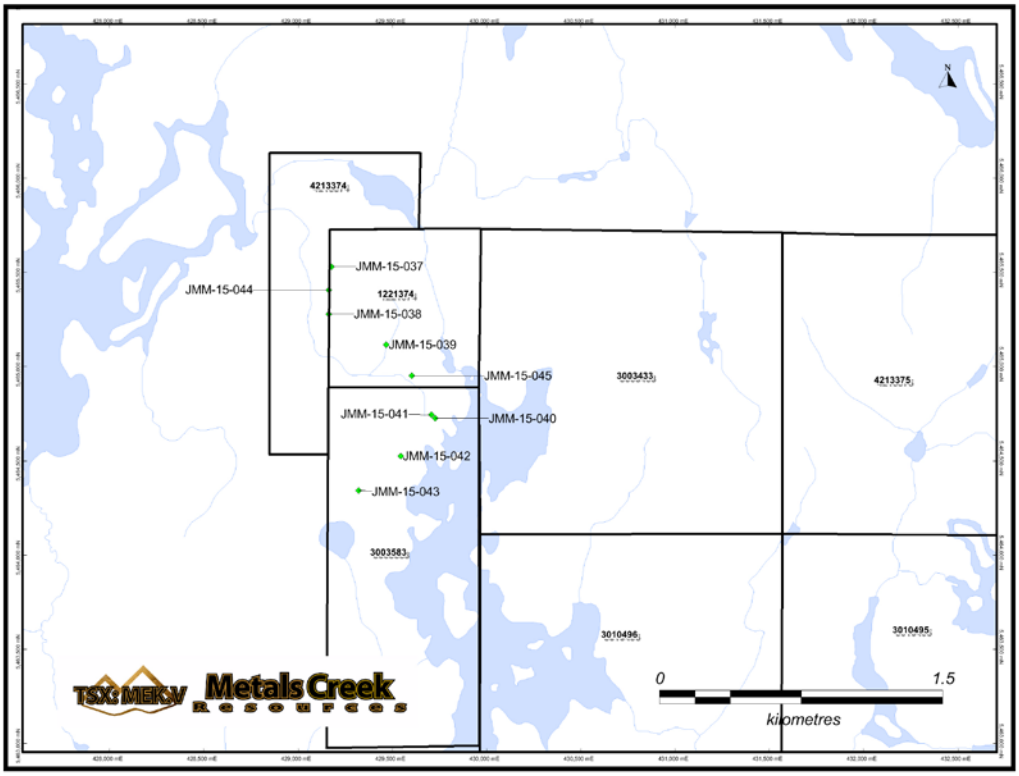


**Figure 3: Bag Lake Area Sample Location Map**

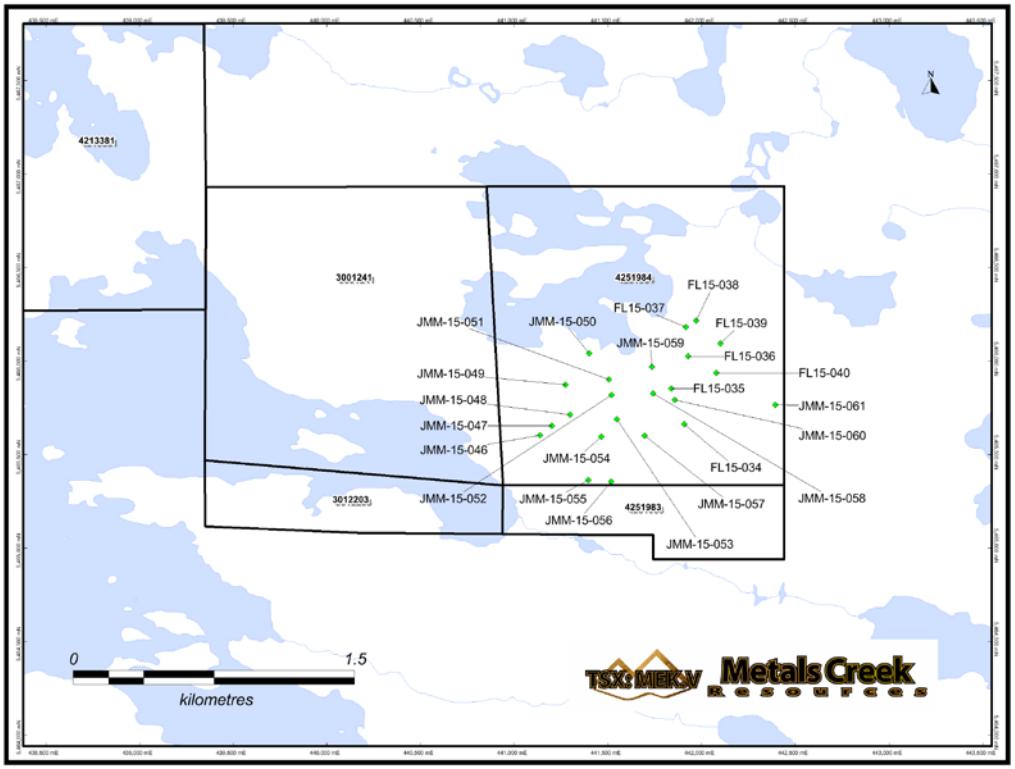


**Figure 4: Flint Lake Area Sample Location Map**

## 9.0 CONCLUSION AND RECOMMENDATIONS

This program of prospecting was unsuccessful in outlining areas of interest within the Flint Lake East as well as the Bag Lake West Areas contained in the northern portion of Metals Creek's Flint Lake Property. Both the Flint Lake and Bag Lake sampling from claims 1221374, 3003583 and 4251984 returned no significant gold values and no further exploration work is planned for these claims. This area was of importance due to the previous lack of documented exploration work within these claims, but the detection values of gold returned from sampling limits the advancement of the areas. Moving forward, focus should be placed on the many other areas of the property hosting significant gold showings/occurrences.

Respectfully Submitted,

Jeff Myllyaho
Metals Creek Resources

## 10.0 REFERENCES

Cullen, D. D. 2007. Technical Report on the Dogpaw Property, Kenora Mining Division; *report for* North American Uranium Corp., 50p.

Jeffs, C. 2007. Geological Mapping Program, Dogpaw Lake Program, Kenora District; *report for* North American Uranium Corp., 16p.

MacIsaac, M. 2007. March 2007 Diamond Drill Program, Dogpaw Lake Property, Kenora Mining Division; *report for* North American Uranium., 1, 5-7p.

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# Appendix I

List of Sample #’s, UTM Coordinates and Assay Values

| Waypoint | Date | Zone | Easting | Northing | Elevation | Au (ppb) | Description |
|---|---|---|---|---|---|---|---|
| JMM-15-037 | 05-Oct-15 | 15 | 429177 | 5465532 | 346 | 4 | mv; dark grey/green; wkly foliated; 0.5% cubic py; sulphide associated with qtz |
| JMM-15-038 | 05-Oct-15 | 15 | 429162 | 5465280 | 346 | <1 | massive mv; equigranular; dark; almost ultramafic |
| JMM-15-039 | 05-Oct-15 | 15 | 429467 | 5465116 | 343 | <1 | int-mv; weakly siliceous; chloritized |
| JMM-15-040 | 05-Oct-15 | 15 | 429727 | 5464726 | 351 | 4 | alt'd vol?; finer-grained; locally sheared with irregular qtz stringers; siliceous; bleached with str carb altered rind; fine disseminated pyrite |
| JMM-15-041 | 05-Oct-15 | 15 | 429707 | 5464744 | 353 | 1 | vol; carb altered; fine grained |
| JMM-15-042 | 05-Oct-15 | 15 | 429543 | 5464526 | 352 | <1 | mv; pillows; chloritized green with local qtz/carb amygdules and vuggy vesicles |
| JMM-15-043 | 05-Oct-15 | 15 | 429321 | 5464342 | 370 | 3 | mv; massive; f.gr; mod mag; trace clotty pyrite; minor qtz stringers |
| JMM-15-044 | 05-Oct-15 | 15 | 429162 | 5465408 | 344 | 1 | mv; f.gr; homogeneous; tr pyrite |
| JMM-15-045 | 05-Oct-15 | 15 | 429603 | 5464952 | 345 | <1 | qtz feldspar porphyry; f-med gr; f.gr dark groundmass at 35%; 1-3mm anhedral white feldspar phenos; 10% qtz eyes; 2% coarse biotite; tr pyr |
| JMM-15-046 | 06-Oct-15 | 15 | 441138 | 5465604 | 350 | <1 | int tuff; chloritized with minor sericite; occasional qtz stringers; <0.25% py |
| JMM-15-047 | 06-Oct-15 | 15 | 441201 | 5465655 | 351 | <1 | mafic volcanic; chloritized; amygduloidal; very f.gr |
| JMM-15-048 | 06-Oct-15 | 15 | 441298 | 5465714 | 353 | 2 | int-mv; amygduloidal; qtz/garnet; green coloured; f.gr. |
| JMM-15-049 | 06-Oct-15 | 15 | 441274 | 5465874 | 357 | <1 | mv; massive; f.gr; green; occasional qtz stringers |
| JMM-15-050 | 06-Oct-15 | 15 | 441399 | 5466042 | 357 | <1 | gabbro; massive; chloritic; green; homogeneous; 45% weakly saus plag; non-magnetic; <0.5% pyrite |
| JMM-15-051 | 06-Oct-15 | 15 | 441505 | 5465901 | 357 | <1 | mv; f.gr; green; thin qtz/carb extensional veins |
| JMM-15-052 | 06-Oct-15 | 15 | 441520 | 5465819 | 354 | 5 | mv; massive; eqigranular; homogeneous |
| JMM-15-053 | 06-Oct-15 | 15 | 441548 | 5465689 | 374 | <1 | mv; well fractured; green chlorite; 0.5% pyr |
| JMM-15-054 | 06-Oct-15 | 15 | 441464 | 5465596 | 366 | 1 | carb/sericite schist; extremely friable with occasional qtz stringers; variable beige/yellow to deep rust coloured; trace pyr |
| JMM-15-055 | 06-Oct-15 | 15 | 441396 | 5465363 | 348 | 330 | qtz/carb vein in friable schist; yellowish hard carb hosting numerous semi-transparent qtz stringers/veinlets; str. ankerite alt; rusted surface; 0.5% pyr |
| JMM-15-056 | 06-Oct-15 | 15 | 441517 | 5465355 | 354 | 2 | massive; f.gr mafic flow; equigranular; trace fine disseminations of pyrite |
| JMM-15-057 | 06-Oct-15 | 15 | 441697 | 5465601 | 367 | <1 | dark green; strongly chloritized mv; weak foliation; homogeneous; fine trace pyrite as fresh crystals or rusted weathered grains |
| JMM-15-058 | 06-Oct-15 | 15 | 441742 | 5465827 | 361 | <1 | massive mv; rusted 1cm carbonate-rich rind on surface; nil sulphide |
| JMM-15-059 | 06-Oct-15 | 15 | 441736 | 5465970 | 361 | 7 | aphanitic; mafic to intermediate vol; massive and moderately silicified; hard; trace to nil pyrite throughout |
| JMM-15-060 | 06-Oct-15 | 15 | 441856 | 5465792 | 365 | 2 | aphanitic; mafic to intermediate vol; massive and moderately silicified; hard; trace to nil pyrite throughout; qtz/feld fracture faces |
| JMM-15-061 | 06-Oct-15 | 15 | 442394 | 5465765 | 385 | 2 | massive int to mv; minor carb; trace weathered sulphide as very finely disseminated pyrite |
| FL15-034 | 06-Oct-15 | 15 | 441907 | 5465663 | 368 | <1 | mafic volcanic; unaltered; unmineralized; fine-grained; moderately dark green |
| FL15-035 | 06-Oct-15 | 15 | 441838 | 5465854 | 365 | <1 | mafic volcanic; unaltered; unmineralized; fine-grained; moderately dark green; minor rust along fractures |
| FL15-036 | 06-Oct-15 | 15 | 441928 | 5466026 | 362 | 2 | mafic volcanic; dark green; f.gr-aphanitic; unaltered; unmineralized; massive |
| FL15-037 | 06-Oct-15 | 15 | 441916 | 5466183 | 365 | <1 | mafic volcanic; dark green; f.gr-aphanitic; unaltered; unmineralized; massive |
| FL15-038 | 06-Oct-15 | 15 | 441971 | 5466217 | 368 | <1 | int volcanic; med green/grey; f.gr; unaltered |
| FL15-039 | 06-Oct-15 | 15 | 442100 | 5466096 | 359 | <1 | mafic volcanic; dark green; f.gr; unaltered |
| FL15-040 | 06-Oct-15 | 15 | 442078 | 5465937 | 375 | <1 | mafic volcanic; dark green; f.gr; unaltered |

# Appendix II

Personnel Involved with Prospecting Program

**Personnel involved in the 2015 Flint Lake Prospecting Program**

Don Heerema
Jeff Myllyaho
Mike MacIsaac

# Appendix III

Laboratory Certificates of Analysis

AGAT Laboratories

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
http://www.agatlabs.com

CLIENT NAME: METALS CREEK RESOURCES
945 COBALT CRES
THUNDER BAY , ON P7B5Z4
(807) 345-4990

ATTENTION TO: JEFF MYLLYAHO

PROJECT:

AGAT WORK ORDER: 15B028778

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Oct 22, 2015

PAGES (INCLUDING COVER): 6

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

AGAT Laboratories
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# Certificate of Analysis

AGAT WORK ORDER: 15B028778

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

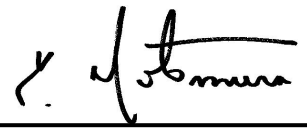
ATTENTION TO: JEFF MYLLYAHO

## (202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Oct 09, 2015 | DATE RECEIVED: Oct 09, 2015 | DATE REPORTED: Oct 22, 2015 | SAMPLE TYPE: Rock

| Analyte: | Sample Login Weight | Au |
|---|---|---|
| Unit: | kg | ppm |
| Sample ID (AGAT ID) RDL: | 0.01 | 0.001 |
| JMM-15-037 (7070163) | 0.58 | 0.004 |
| JMM-15-038 (7070164) | 0.86 | <0.001 |
| JMM-15-039 (7070165) | 0.72 | <0.001 |
| JMM-15-040 (7070166) | 0.60 | 0.004 |
| JMM-15-041 (7070167) | 0.56 | 0.001 |
| JMM-15-042 (7070168) | 0.50 | <0.001 |
| JMM-15-043 (7070169) | 0.60 | 0.003 |
| JMM-15-044 (7070170) | 0.62 | 0.001 |
| JMM-15-045 (7070171) | 0.86 | <0.001 |
| JMM-15-046 (7070172) | 0.66 | <0.001 |
| JMM-15-047 (7070173) | 0.40 | <0.001 |
| JMM-15-048 (7070174) | 0.70 | 0.002 |
| JMM-15-049 (7070175) | 1.00 | <0.001 |
| JMM-15-050 (7070176) | 1.10 | <0.001 |
| JMM-15-051 (7070177) | 0.68 | <0.001 |
| JMM-15-052 (7070178) | 0.76 | 0.005 |
| JMM-15-053 (7070179) | 0.66 | <0.001 |
| JMM-15-054 (7070180) | 0.80 | 0.001 |
| JMM-15-055 (7070181) | 0.80 | 0.330 |
| JMM-15-056 (7070182) | 1.24 | 0.002 |
| JMM-15-057 (7070183) | 0.64 | <0.001 |
| JMM-15-058 (7070184) | 0.76 | <0.001 |
| JMM-15-059 (7070185) | 0.76 | 0.007 |
| JMM-15-060 (7070186) | 1.24 | 0.002 |
| JMM-15-061 (7070187) | 0.96 | 0.002 |
| FLIS-034 (7070188) | 0.56 | <0.001 |
| FLIS-035 (7070189) | 0.70 | <0.001 |
| FLIS-036 (7070190) | 0.72 | 0.002 |
| FLIS-037 (7070191) | 0.80 | <0.001 |
| FLIS-038 (7070192) | 0.74 | <0.001 |
| FLIS-039 (7070193) | 0.52 | <0.001 |

Certified By:



AGAT Laboratories

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FAX (905)501-0589
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# Certificate of Analysis

AGAT WORK ORDER: 15B028778

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: JEFF MYLLYAHO

## (202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Oct 09, 2015 | DATE RECEIVED: Oct 09, 2015 | DATE REPORTED: Oct 22, 2015 | SAMPLE TYPE: Rock

| Analyte: | Sample Login Weight | Au |
|---|---|---|
| Unit: | kg | ppm |
| Sample ID (AGAT ID) RDL: | 0.01 | 0.001 |
| FLIS-040 (7070194) | 0.54 | <0.001 |

Comments: RDL - Reported Detection Limit

Certified By:

AGAT Laboratories

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# Quality Assurance - Replicate

AGAT WORK ORDER: 15B028778

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: JEFF MYLLYAHO

## (202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

| | REPLICATE #1 | | | | REPLICATE #2 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample ID | Original | Replicate | RPD | Sample ID | Original | Replicate | RPD | | | | | | | | |
| Au | 7070163 | 0.004 | 0.003 | 28.6% | 7070188 | < 0.001 | < 0.001 | 0.0% | | | | | | | | |

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# Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 15B028778

PROJECT:

CLIENT NAME: METALS CREEK RESOURCES

ATTENTION TO: JEFF MYLLYAHO

## (202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

| | CRM #1 (ref.GS6D) | | | | CRM #2 (ref.GSP7K) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Expect | Actual | Recovery | Limits | Expect | Actual | Recovery | Limits | | | | | | | | |
| Au | 6.09 | 5.87 | 96% | 90% - 110% | 0.694 | 0.751 | 108% | 90% - 110% | | | | | | | | |

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# Method Summary

CLIENT NAME: METALS CREEK RESOURCES

AGAT WORK ORDER: 15B028778

PROJECT:

ATTENTION TO: JEFF MYLLYAHO

SAMPLING SITE:

SAMPLED BY:

| PARAMETER | AGAT S.O.P | LITERATURE REFERENCE | ANALYTICAL TECHNIQUE |
|---|---|---|---|
| Solid Analysis | | | |
| Sample Login Weight | MIN-12009 | | BALANCE |
| Au | MIN-200-12006 | BUGBEE, E: A Textbook of Fire Assaying | ICP-OES |

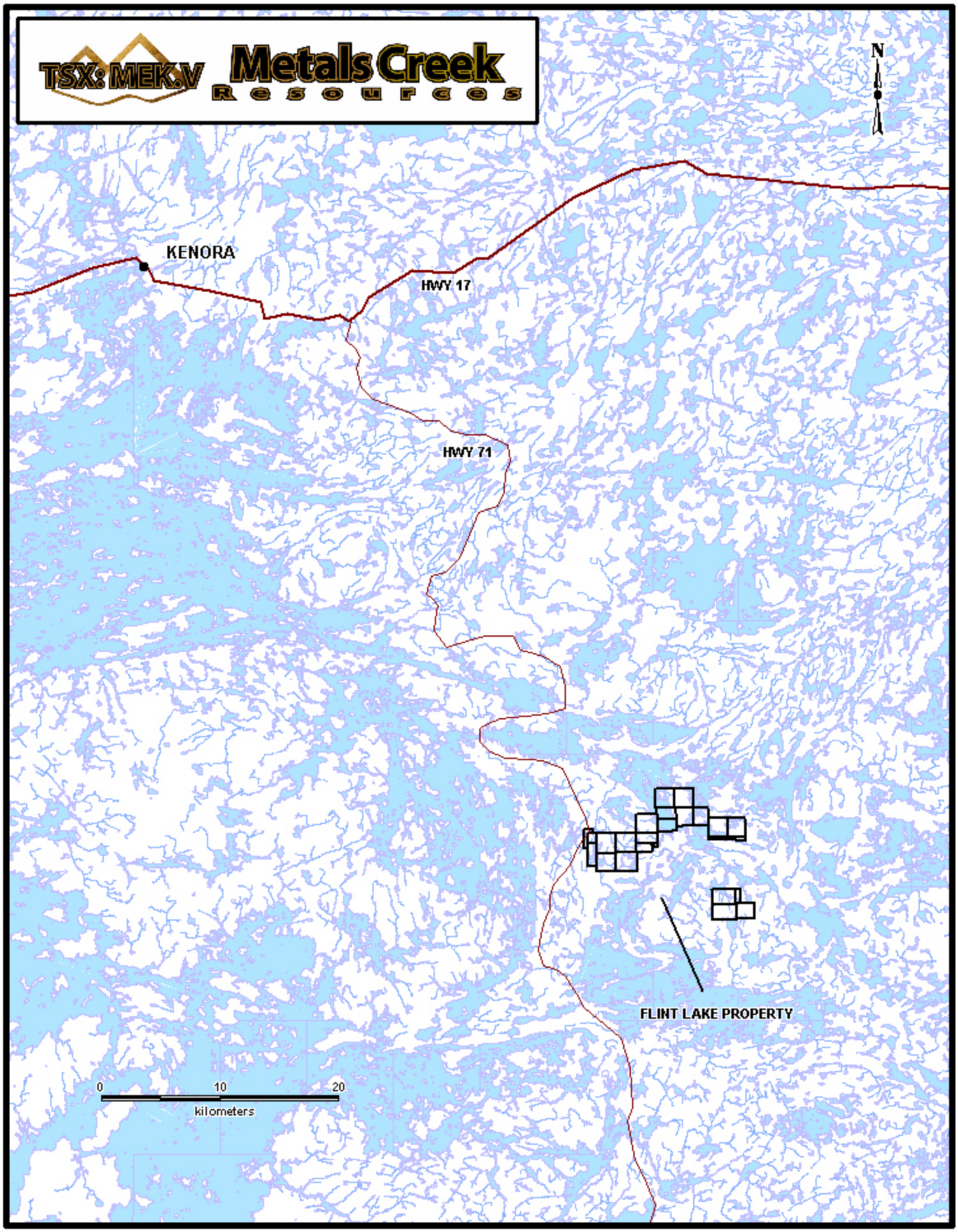
# Appendix IV

Expenditures

| Expenditures submitted for assessment credit | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| | **Labour** | | | | |
| | | Prospecting/Geology | 6 man days @ $450/day | | $ 2,700.00 |
| | | | | | |
| | **Report Writing/Compilation** | | | | |
| | | Geologist | 4 days @ $450/day (Report) | | $ 1,800.00 |
| | | Geologist | 2 days @ $450/day (Drafting/Digitizing) | | $ 900.00 |
| | | | | | |
| | **Transportation** | | | | |
| | | Mob/demob | | | $ 1,350.00 |
| | | Ground Transportation (including fuel) | | | $ 1,644.00 |
| | | | | | |
| | **Accomodations/Meals** | | | | |
| | | Motels/Lodging | | | $ 215.00 |
| | | Food and Meals | | | $ 191.68 |
| | | | | | |
| | **Assays** | | | | |
| | | (Au) 32 rock samples @ $21.81/sample | | | $ 698.00 |
| | | | | | |
| | **Total** | | | | **$ 9,498.68** |

# Appendix V

Attached Maps and Figures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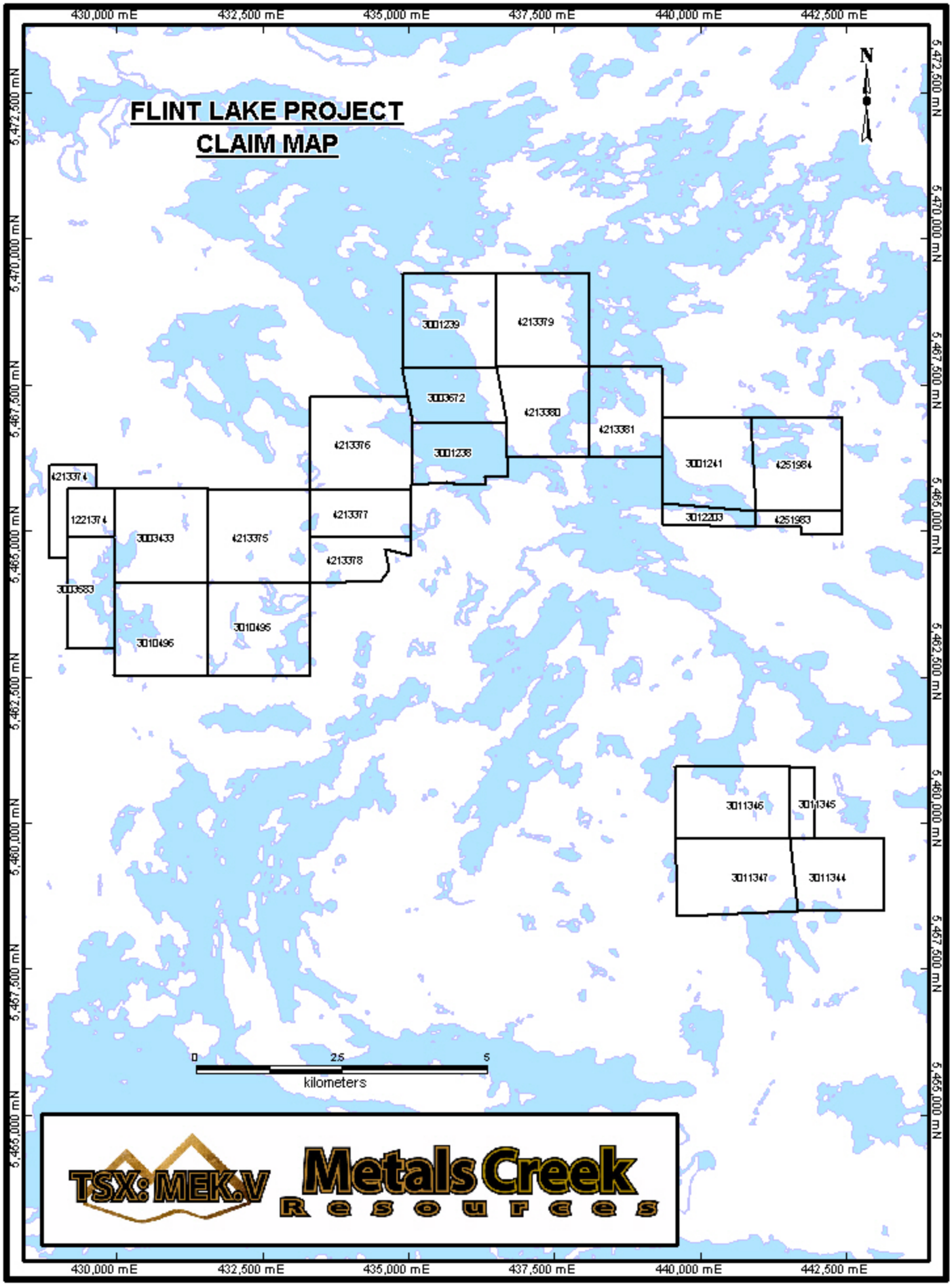
kilometers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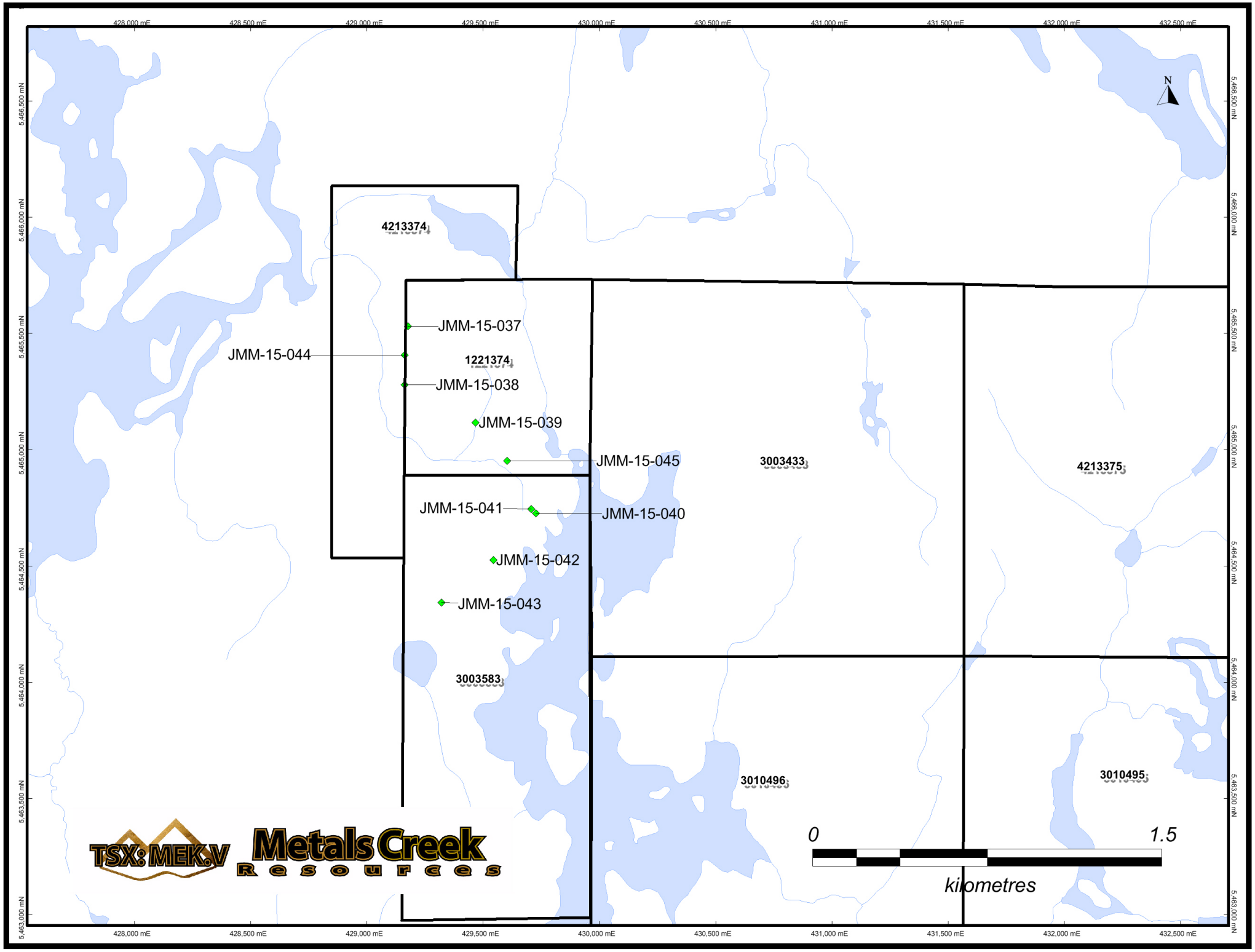
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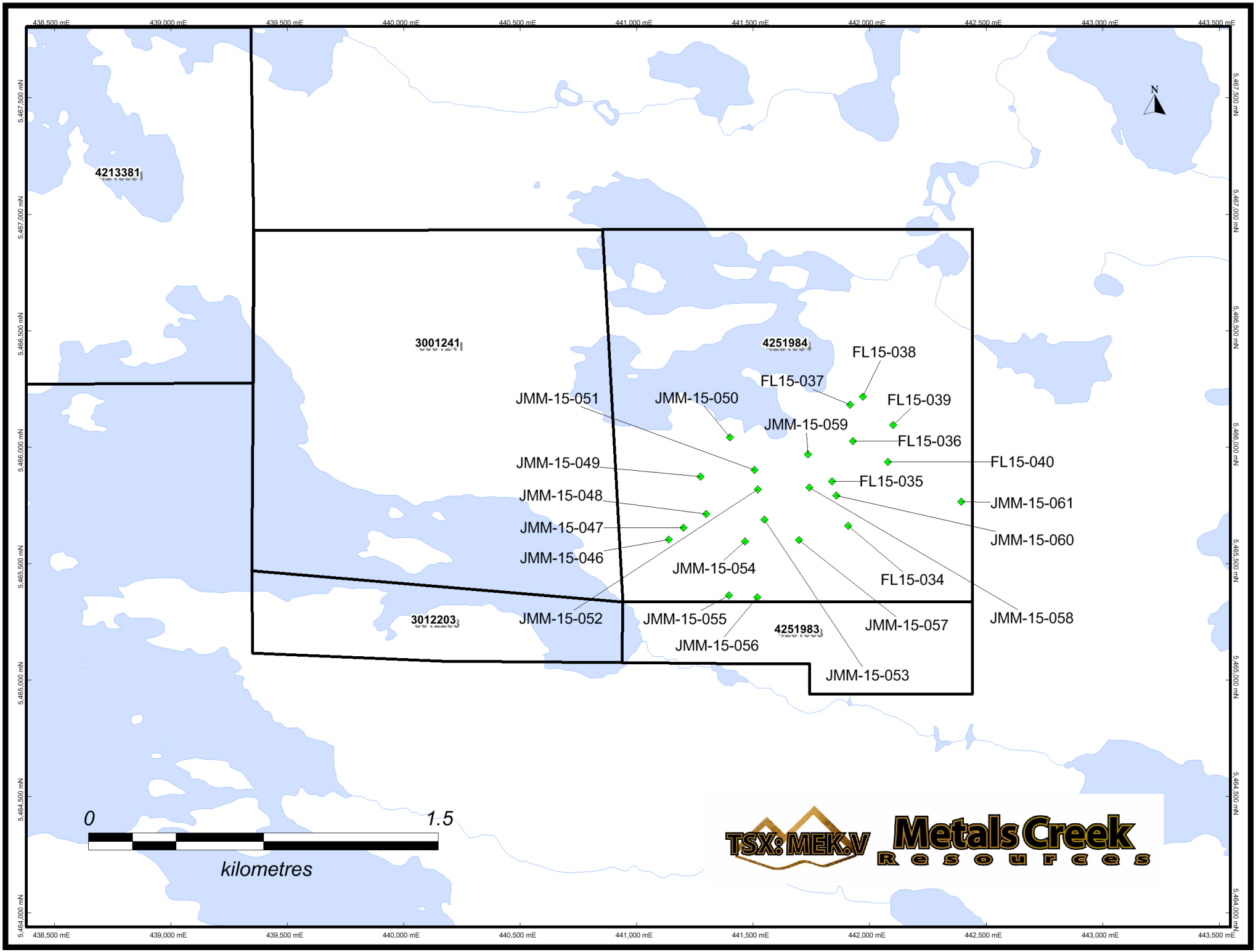
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TSX: MEK.V
Metals Creek
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