## Ontario $\odot$

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# ASSESSMENT WORK PERFORMED 

FOR

## DRIVE-BY EXPLORATION

CLIENT \#407432

OLIVE TOWNSHIP

SUDBURY MINING DIVISION

PREPARED BY PAUL CENTIS<br>JANUARY 12, 2022

## SAMPLING

The samples were collected by pick and shovel, placed in sample bags and sealed and tagged accordingly. The sampled areas located on Crown land were accessed by trail just north of gas plant from Tonomo Lake Road off Highway 11. Accompanied 1:5000 drawings detail travel to each sample area. Sample areas are marked via recorded GPS co-ordinates.

## INTRODUCTION \& SUMMARY

The following report pertains to assessment work performed for Drive-By Exploration on claims \# 544361, \#543341 543341 and \#543342 located in Olive Township, Sudbury Mining Division.. Nine till samples were collected from these claims . All 12 samples were collected on May 8, 2020 by myself and David Lowenstein. 5 of the 12 samples were sent to Overburden Drilling and processed for kimberlite indicator minerals. The remaining 7 samples were inventoried for later processing as funds permit.

| SAMPLE \# | CLAIM \# |  | CO-ORDINATES |  |
| :--- | :--- | :--- | :--- | :--- |
| 052306 | 544361 |  | $586642 \mathrm{E}, 5188852 \mathrm{~N}$ gravelly till |  |

## INVENTORY AS FUNDS PERMIT PROCESSING

$052266543342 \quad 587009 \mathrm{E}, 5188518 \mathrm{~N}$ stream sample pebbly

| Nipissing1 | 543342 | $586821 \mathrm{E}, 5188392 \mathrm{~N}$ | till sample |
| :--- | :--- | :--- | :--- |
| Nipissing2 | 543342 | $587048 \mathrm{E}, 5188502 \mathrm{~N}$ | stream sample pebbly |
| 052295 | 543341 | $586455 \mathrm{E}, 5188242 \mathrm{~N}$ | stream sample pebbly, grainy |
| 052028 | 670563 | $587134 \mathrm{E}, 5187598 \mathrm{~N}$ | pebbly stream sample next to small |


| 052092 | 543343 | $587193 \mathrm{E}, 5187746 \mathrm{~N}$ | stream sample pebbly |
| :--- | :--- | :--- | :--- |
| 052261 | 543343 | $587148 \mathrm{E}, 5187796 \mathrm{~N}$ | stream sample pebbly |

## BREAKDOWN OF EXPENSES

Samples were shipped to Overburden Drilling for processing. The samples were processed for kimberlite indicator minerals.

Overburden Drilling Laboratory Services
$\$ 4761.15$ for 9 samples $=\$ 529.02$ per sample
5 samples this report x $\$ 529.02 \quad \$ 2645.10$

Sample collection 2 men ( 12 samples @ \$250.00 \$3000.00
Gas (400km @\$0.50) \$200.00

Total expenses $\quad \$ 5845.10$
(v) identify the means of access to the land from the nearest population centre;

Closest major population centre is Temagami.
Access to the property is located approximately 25 km south-east as the crow flies from Temagami.
The route from Temagami to the property involves driving south on HWY 11 and then turning right onto
Tonomo Lake Rd. Follow Tonomo Lake Rd approximately 2.5 km and turn left on an access trail located just past the gas plant. Using an all terrain vehicle, follow the trail approximately $4.5-5 \mathrm{~km}$ to the exploration site. ( just below Norris Lake.
(vii) daily log detailing nature and content of work and observations, nature of rocks and mineralization and type of equipment used.

Method of collection of all samples was pick and shovel. All holes were dug to an approximate depth of $1 / 4-1 / 2$ metre. Most organic material encountered during digging was not included in samples.

Large rocks were discarded.
All samples were collected May $8 / 20$. Work completed involved digging till and gravel, collecting samples of approximately $10-20 \mathrm{~kg}$. All samples were bagged and tagged with corresponding GPS coordinates.

Exposed rocks in the area were not of interest at the time of collection.
Sample \# 052306- this sample was taken off the trail following the southwest shore of Norris Lake. The sample was taken immediately near the shoreline of the bay. The material recovered consisted of gravelly till and sediments mixed with some organics.

Sample \# 052095- this sample was taken within a stream flowing through a swamp. The material consisted of a blue grey stony clay with small grainy pebbles.

Sample \# 052080-This sample was taken below a swampy area. This sample was taken due to the fact that we encountered a flag and a sample hole on the property from an unknown prospector.. The hole was fresh and not filled with water. We were not informed that someone else had sampled our ground. As a result, we decided to replicate this hole with our own sample. The material sampled consisted of pebbly till mixed with clay at the bottom of the hole.

Sample \#052049- This sample was taken due to high kimberlite indicator counts recovered in previous samples from the immediate area. The material consisted of pebbly till and gneissic bedrock was encountered at the bottom of the hole.

Sample \# 052046- This sample was taken near a previous sample immediately below a swampy target. The previous sample taken in the area consisted of poor clay material and few indicator minerals were recovered. As a result, we searched for better material to sample in the immediate area and located some pebbly till mixed with clay, which we sampled. No bedrock was encountered. The material sampled was better than the previous. More kimberlite indicator minerals were recovered.

Sample \# 052266- This sample was taken immediately on a swampy target. A stream was located on the swamp and a sample of fine pebbly, grainy material was collected for analysis.

Sample \# Nipissing1- this sample was taken southwest of a swampy target. The material sampled beneath a small cover of organic material was pebbly till. Gneissic and diabase rocks were observed in the area.

Sample \# Nipissing 2-This sample was taken east of sample \# 052266. The material collected was again fine grain and pebbly and wet.

Sample \# 052295-This sample was taken in a stream near a keating target identified from government magnetic surveys. It was taken southwest of the keating. The sample consisted of fine grained pebbly material mixed with some clay.

Sample \# 052028- This sample was taken in a stream located next to a swamp just off of a trail. Some mafic and breccia rock was observed in the area. The material was fine grained concentrated pebbly .

Sample \# 052092-This sample was taken in a stream in between 2 small lakes. Again pebbly, concentrated fine grain material was collected.

Sample \# 052261- This sample was taken approximately 70 m northwest of sample \# 052092 in the same stream located between both lakes. The material was pebbly, concentrated fine grain .

## Laboratory Data Report

```
Client Information
    North-Tech Stone and Ceramic
    1260 Kelley Lake Road
    Sudbury, ON
    P3E 5P4
    pcentis@yahoo.com
    Attention:
Data-File Information
    Date:
    July 24,2020
    Project name:
    ODM batch number: 8336
    Sample numbers:
        052019-C, 052019-R, 052019-O, 052018, 052020, 052046, 052049,
        052076, 052080,052095 and 052306
    Data file:
    Number of samples in this report: 9
    Number of samples processed to date: 9
    Total number of samples in project: 9
    Preliminary data:
    Final data:
    Revised data:
```



## Samples Processed For:

## Processing Specifications:

1. Submitted by client: Glacial till and sand samples, pre-concentrated by client.
2. Concentrate, reject and oversize fractions processed individually, for sample 052019 only.
3. All sample fractions panned for gold, PGMs and fine-grained metallic indicator minerals.
4. Heavy liquid separation at specific gravity 3.20 .
5. $0.25-2.0 \mathrm{~mm}$ nonferromagnetic heavy mineral fractions picked for kimberlite indicator minerals.

## Notes

phis bul
Mike Crawford
Laboratory Manager

## Primary Sample Processing Weights and Descriptions

Client: North-Tech Stone and Ceramic
File Name: 20208336 - North Tech - Centis - (KiMs) - May 2020
Total Number of Samples in this Report: 9
ODM Batch Number(s): 8336

| Sample Number | Weight (kg wet) |  |  |  |  | Screening and Shaking Table Sample Descriptions |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Clasts ( +2.0 mm ) |  |  |  |  | Matrix ( -2.0 mm ) |  |  |  |  |  |  | Class |
|  |  |  |  |  |  | Size | Percentage |  |  |  | Distribution |  |  |  |  | Colour |  |  |
|  | Bulk Rec'd Archived |  | rable Split | $\begin{gathered} +2.0 \mathrm{~mm} \\ \text { Clasts } \end{gathered}$ | $\begin{gathered} -2.0 \mathrm{~mm} \\ \text { Table Feed } \end{gathered}$ |  | V/S | GR | LS | OT | SIU | SD | ST | CY | ORG | SD | CY |  |
| $052019-\mathrm{C}$ |  |  | NA |  |  |  |  | NA |  |  |  |  | NA |  |  |  |  | NA |
| 052019R | 40.3 | 0.0 | 10.3 | 0.0 | 10.3 |  |  | Clas |  |  | U | + | Y | - | N | CB | GB | TILL |
| 052019-0 | 10.2 | 0.0 | 10.2 | 8.2 | 2.0 | P | 100 | TR | 0 | 0 | U | + | - | N | N | GB | N | TILL |
| 052018 | 13.8 | 0.0 | 13.8 | 6.8 | 7.0 | P | 80 | 20 | 0 | 0 | U | + | - | - | N | LOC | LOC | TILL |
| 052020 | 20.3 | 0.0 | 20.3 | 8.0 | 12.3 | P | 90 | 10 | 0 | 0 | U | + | - | - | N | GY | GB | TILL |
| 052046 | 13.7 | 0.0 | 13.7 | 0.0 | 13.7 |  |  | Clas |  |  | S | MC | - | N | $N$ | GY | NA | SAND |
| 052049 | 6.1 | 0.0 | 6.1 | 0.4 | 5.7 | G | 95 | 5 | 0 | 0 | S | MC | - | $N$ | N | GY | GB | SAND |
| 052076 | 13.4 | 0.0 | 13.4 | 6.3 | 7.1 | P | 95 | 5 | 0 | 0 | U | + | $Y$ | - | N | OC | OC | THL |
| 052080 | 11.6 | 0.0 | 11.6 | 2.0 | 9.6 | P | 95 | 5 | 0 | 0 | U | + | Y | $\stackrel{-}{\square}$ | N | OC | OC | TILL |
| 052095 | 5.1 | 0.0 | 5.1 | 0.2 | 4.9 | G | 90 | 10 | 0 | 0 | S | MC | $Y$ | N | N | GY | NA | SAND |
| 052306 | 8.3 | 0.0 | 8.3 | 1.3 | 7.0 | P | 90 | 10 | 0 | 0 | U | + | Y | - | N | GY | GY | TILL |

## Gold Grain Summary

Client: North-Tech Stone and Ceramic
File Name: 20208336 - North Tech - Centis - (KIMs) - May 2020
Total Number of Samples in this Report: 9
ODM Batch Number(s): 8336

| Sample Number | Number of Visible Gold Grains |  |  |  | Nonmag HMC <br> Weight ( g ) | Calculated PPB Visible Gold in HMC |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Reshaped | Modified | Pristine |  | Total | Reshaped | Modified | Pristine |
| 052019-C | 0 | 0 | 0 | 0 | 3.5 | 0 | 0 | 0 | 0 |
| 052019-R | 0 | 0 | 0 | 0 | 27.0 | 0 | 0 | 0 | 0 |
| 052019-0 | 0 | 0 | 0 | 0 | 1.9 | 0 | 0 | 0 | 0 |
| 052018 | 3 | 1 | 1 | 1 | 21.8 | 34 | 29 | 3 | 1 |
| 052020 | 7 | 1 | 3 | 3 | 53.7 | 35 | 26 | 6 | 3 |
| 052046 | 0 | 0 | 0 | 0 | 8.8 | 0 | 0 | 0 | 0 |
| 052049 | 3 | 2 | 0 | 1 | 8.5 | 14 | 11 | 0 | 3 |
| 052076 | 2 | 1 | 1 | 0 | 6.6 | 15 | 4 | 11 | 0 |
| 052080 | 1 | 1 | 0 | 0 | 2.1 | 35 | 35 | 0 | 0 |
| 052095 | 2 | 2 | 0 | 0 | 3.7 | 59 | 59 | 0 | 0 |
| 052306 | 0 | 0 | 0 | 0 | 13.9 | 0 | 0 | 0 | 0 |

## Detailed Gold Grain Data

Client: North-Tech Stone and Ceramic
File Name: 20208336 - North Tech - Centis - (KIMs) - May 2020
Total Number of Samples in this Report: 9

| Sample Number | Dimensions ( $\mu \mathrm{m}$ ) |  |  | Number of Visible Gold Grains |  |  |  | Nonmag <br> HMC Weight (g) | Calculated <br> V.G. Assay <br> in HMC (ppb) | Metallic Minerals in Pan Concentrate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thickness | Width | Length | Reshaped | Modified | Pristine | Total |  |  |  |


| 052019-C | No Visible Gold |  |  |  |  |  |  |  |  |  | Tr (2 grains) pyrite ( $25-50 \mu \mathrm{~m}$ ). |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 052019-R | No Visible Gold |  |  |  |  |  |  |  |  |  | $\operatorname{Tr}$ (4 grains) pyrite ( $50-100 \mu \mathrm{~m}$ ) |
| 052019-0 | No Visible Gold |  |  |  |  |  |  |  |  |  | $\operatorname{Tr}(\sim 10$ grains $)$ pyrite ( $25-125 \mu \mathrm{~m})$. |
| 052018 | 5 | C | 25 | 25 |  |  | 1 | 1 |  | 1 | $\operatorname{Tr}(3 \mathrm{grains})$ pyrite ( $50-100 \mu \mathrm{~m}$ ) |
|  | 8 | C | 25 | 50 |  | 1 |  | 1 |  | 3 |  |
|  | 15 | C | 75 | 75 | 1 |  |  | 1 |  | 29 |  |
|  |  |  |  |  |  |  |  | 3 | 21.8 | 34 |  |
| 052020 | 5 | C | 25 | 25 |  | 1 | 1 | 2 |  | 1 | $\operatorname{Tr}$ ( -20 grains) pyrite ( $25-150 \mu \mathrm{~m}$ ). |
|  | 8 | C | 25 | 50 |  |  | 2 | 2 |  | 3 |  |
|  | 10 | c | 25 | 75 |  | 2 |  | 2 |  | 5 |  |
|  | 20 | c | 75 | 125 | 1 |  |  | 1 |  | 26 |  |
|  |  |  |  |  |  |  |  | 7 | 53.7 | 35 |  |
| . 052046 | No Visible Gold |  |  |  |  |  |  |  |  |  | $\operatorname{Tr}$ ( $\sim 10 \mathrm{grains}$ ) pyrite ( $25-100 \mu \mathrm{~m}$ ). |
| 052049 | 5 | $c$ | 25 | 25 | 1 |  | 1 | 2 |  | 6 | $\operatorname{Tr}(\sim 10$ grains $)$ pyrite ( $25-100 \mu \mathrm{~m})$. |
|  | 8 | C | 25 | 50 | 1 |  |  | 1 |  | 9 |  |
|  |  |  |  |  |  |  |  | 3 | 8.5 | 14 |  |
| 052076 | 5 | C | 25 | 25 | 1 | 1 |  | 1 |  | 4 | $\operatorname{Tr}$ ( 20 grains) pyrite ( $25-100 \mu \mathrm{~m}$ ). |
|  | 8 | C | 25 | 50 |  |  |  | 1 |  | 11 |  |
|  |  |  |  |  |  |  |  | 2 | 6.6 | 15 |  |
| 052080 | 8 | c | 25 | 50 | 1 |  |  | 1 |  | 35 | $\operatorname{Tr}$ ( 20 grains) pyrite ( $25-150 \mu \mathrm{~m}$ ). |
|  |  |  |  |  |  |  |  | 1 | 2.1 | 35 |  |
| 052095 | 5 | C | 25 | 25 | 1 |  |  | 1 |  | 7 | $\operatorname{Tr}(\sim 10$ grains $)$ pyrite ( $25-100 \mu \mathrm{~m}$ ) |
|  | 10 | c | 50 | 50 | 1 |  |  | 1 |  | 52 |  |
|  |  |  |  |  |  |  |  | 2 | 3.7 | 59 |  |
| 052306 | No V | ble |  |  |  |  |  |  |  |  | $\operatorname{Tr}$ ( -10 grains) pyrite ( $25-150 \mu \mathrm{~m}$ ). |

## Heavy Mineral Concentrate Processing Weights

Client: North-Tech Stone and Ceramic
File Name: 20208336 - North Tech - Centis - (KIMs) - May 2020
Total Number of Samples in this Report: 9
ODM Batch Number(s): 8336


## Client: North-Tech Stone and Ceramic Fibe Name: $\mathbf{2 0 2 0 8 3 3 6}$ - Noth Tech - <br> Fib Name: 20208336 - Noxth Tech - Centis . (KMms) - May 2020 <br> Total Number of Samples in this Report: 9

| Sample Number | Number of Grains |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Selected MMSIM5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Number of Grains K__ Kims |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 1.0 to 2.0 mm |  |  |  |  |  | 0.5 to 1.0 mm |  |  |  |  |  | 0.25100 .5 mm |  |  |  |  |  | 1.0102 .0 mm |  |  |  |  |  |  |  |  |  | mm |  |  |  |  |  |  |  |  | 5 to |  |  |  |  |  |  |  |  |  |  |  | $\begin{gathered} \text { Totel } \\ \text { (KIMs) } \end{gathered}$ |  |
|  | $\begin{array}{\|l\|} \hline \begin{array}{l} \text { Low } \mathrm{Cr} \\ \text { diopside } \end{array} \\ \hline T 1 \text { P\| } \end{array}$ |  | cpy |  | Gh |  | Low-Cr ciopside |  | $\frac{c_{p y}}{T T}$ |  | T ${ }_{\text {ch }}$ |  | $\begin{array}{\|c\|} \hline \text { Low-CI } \\ \text { diopyside } \\ \hline \end{array}$ |  | Cpy |  | G/P |  | $\frac{\mathrm{GP}}{\mathrm{~T} \mid \mathrm{P}}$ |  | TIP |  | ${ }_{\text {TIP }}^{\text {DC }}$ | TM ${ }_{\text {T }}^{\text {T }}$ | CR |  | ${ }_{\text {I }}{ }_{\text {FO }} \mathrm{P}$ |  | ${ }_{\text {T/ }}^{\text {GP }}$ | GO |  | ${ }_{\text {T }}^{\text {D }}$ P ${ }^{\text {P }}$ | T/ ${ }_{\text {I }}$ |  | ${ }_{\text {CR }}^{\text {C/ }}$ P |  |  | GP <br> T/P <br> Pr |  | To |  | TC |  |  |  |  |  |  |  |  |  |
|  |  |  | T. | P |  |  | T |  |  |  |  |  |  |  |  |  | T/P | T/P |  | T\|P |  | T P <br> 164 114 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 052019-C |  |  |  |  | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |  |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 22 | 0 | 0 | 0 | 0 | 22 | 4 | 4 | 0 | 44 | 44 | 11 | 0 | 0 | ${ }^{8}$ |  | 4 | 4 | 1 |  | 80 | 30 | 18 | 18 |
| 052019-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 8 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 | 0 | 0 O | 0 | 0 | 0 | 0 |  | 9 | 9 | 0 | 5 | 5 | 00 | 0 | 0 | 100 | 50 | 40 | 20 | 0 | 0 | 80 | 20 | 2 | 2 | 0 | 0 | 243 | 123 |
| 052019-0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 |  |  |  |  | 0 |  |  |  | 0 |  | 0 |  |  | ${ }^{0}$ |
| 052018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 1 1 | 0 | 0 | 1 | 1 | 4 | 2 | 2 | 0 | 21 | 21 | 0 - 0 | 4 | 4 | 38 | 38 | 16 | ${ }_{5}^{16}$ | 2 | 2 | 80 | 60 | 2 | 2 | $5$ | 5 | 177 |  |
| 052020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 11 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 0 | $\begin{array}{lll}1 & 1 \\ 0 & 0\end{array}$ | 0 | 0 | 0 | 0 |  | 1 | 1 | 0 | 11 | 11 | ${ }_{0}^{0} 0$ | 0 |  |  |  |  | ${ }^{5}$ | 1 |  |  |  | $\begin{aligned} & 0 \\ & 0 \end{aligned}$ | $0$ |  | $\begin{aligned} & 2 \\ & 0 \end{aligned}$ |  | ${ }_{32} 5$ |
| 052046 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 |  | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 2 |  |  |  | ${ }_{18}$ | 2 | 2 | ${ }^{8}$ | ${ }_{20}^{8}$ | 0 | 2 |  | 4 | 144 |  |
| 052049 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | $\bigcirc$ | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 44 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 0 | 13 | ${ }^{43}$ |  | 2 |  | 40 | 20 | 3 | d | 3 | 3 | 80 |  | 6 |  | $\stackrel{4}{1}$ | 1 | 196 |  |
| 052076 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1 |  | 0 | 0 | 0 |  |  |  |  |  |  |  | 0 |  | 7 | 2 | ${ }_{0}^{2}$ | 0 | 40 | 20 10 | $\begin{array}{ll}2 & \\ 0 \\ 0 & 0\end{array}$ | 1 | 1 | 40 22 | 20 | 2 | 2 | 1 | 1 | 80 | 20 | 1 | 1 | 0 | 0 | 67 |  |
| 052080 052095 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | - | ${ }^{0}$ | 0 | 0 0 | 0 0 | ${ }_{0}^{0}$ | 0 | 0 | 0 | 1 | 0 | 0 | - | 1 | 1 | ${ }_{1} 1$ | 0 | - | 13 | 13 | 1 | 1 | 1 | 1 | 12 | 12 | 2 | 2 | 0 | 0 | 32 |  |
|  | 0 | 0 | - | 0 | - | 0 | - | 0 | 2 | 2 | 0 | 0 | 2 | 2 | 8 |  | 0 |  | 0 | 0 | 0 | 0 | 0 - | 0.0 | 0 | 0 | 0 | 0 | 2. |  |  |  | 0 | 0 |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |

$\boldsymbol{T}=$ Total number of grains in sample.
$\mathbf{P}=$ Number of picked grains in sample.

## Kimberlite Indicator Mineral Remarks

Client: North-Tech Stone and Ceramic
File Name: 20208336 - North Tech - Centis - (KIMs) - May 2020
Total Number of Samples in this Report: 9

| Sample Number | Remarks |
| :---: | :---: |
| 052019-C | Ilmenite-almandine/epidote assemblage. SEM checks from 0.5-1.0 mm fraction: 3 GO candidates $=3 \mathrm{GO}$ (1 Cr-poor-pyrope and 2 pyrope almandine). SEM checks from $0.25-0.5 \mathrm{~mm}$ fraciton: 2 GO versus grossular candidates $=1 \mathrm{GO}$ (pyrope almandine) and 1 grossular; and 2 FO versus epidote candidates $=2$ epidote. Also picked 1 bornite from 0.5-1.0 mm fraction. Both 1 M from 1.0-2.0 mm fraction; $1 \mathrm{GP}, 2 \mathrm{GO}$ and 33 IM from 0.5 to 1.0 mm fraction; and $3 \mathrm{GP}, 2 \mathrm{GO}$ and $80 \% \mathrm{IM}$ from $0.25-$ 0.5 mm fraction have partial alteration mantles. |
| 052019-R | Augite/epidote-diopside assemblage. SEM checks from 0.5-1.0 mm fraction: 1 GP (with attached kelyphite mantle) versus almandine candidate $=1 \mathrm{GP} ; 10 \mathrm{GO}$ versus grossular candidates $=9 \mathrm{GO}$ ( 1 Cr-poor-pyrope and 8 pyrope almandine) and 1 grossular. SEM checks from $0.25-5 \mathrm{~mm}$ fraction: 1 colourless diamond candidate $=1$ zoisite; and 10 FO versus diopside candidates $=10$ epidote. 3 GP, 4 GO and 4 M from $0.5-1.0 \mathrm{~mm}$; and $15 \%$ GP. $15 \% \mathrm{GO}$, and $80 \% \mathrm{iM}$ from $0.25-0.5 \mathrm{~mm}$ fraction have partial alteration mantles. |
| 052019-0 | Undersized concentrate, therefore not electromagnetically separated and mineral assemblage not listed. Main mineral is augite |
| 052018 | Augite/epidote-diopside assemblage. 10 IM from $0.5-1.0 \mathrm{~mm} ; 12 \mathrm{GP}, 6 \mathrm{GO}$ and $40 \% \mathrm{IM}$ from 0.250.5 mm fractions have partial alteration mantles. |
| 052020 | Augite/epidote-diopside assemblage. Sole IM from 1.0-2.0 mm; 4 GP and 2 IM from 0.5-1.0 mm; and $5 \% \mathrm{GP}$ and $5 \% \mathrm{IM}$ from $0.25-0.5 \mathrm{~mm}$ fractions have partial alteration mantles. |
| 052046 | Augite-homblende-almandine/epidote-diopside assemblage. Sole IM from $0.5-1.0 \mathrm{~mm}$ and 1 IM from $0.25-0.5 \mathrm{~mm}$ fractions have partial alteration manties. |
| 052049 | Augite-fayalite/epidote assemblage. SEM checks from $0.5-1.0 \mathrm{~mm}$ fraction: 1 GP versus almandine candidate $=1 \mathrm{GP}$ and 3 GO versus almandine candidates $=3 \mathrm{GO}$ (Cr-poor pyrope). 3 $I M$ from $1.0-2.0 \mathrm{~mm} ; 9 \mathrm{IM}$ from $0.5-1.0 \mathrm{~mm} ; 9 \mathrm{GP}, 5 \mathrm{GO}$ and $50 \% \mathrm{IM}$ from $0.25-0.5 \mathrm{~mm}$ fractions have partial alteration mantles. |
| 052076 | Augite-almandine-hornblende/epidote assemblage. 9 IM from $1.0-2.0 \mathrm{~mm}, 3 \mathrm{GP}$ and $20 \% \mathrm{IM}$ from $0.5-1.0 \mathrm{~mm}$; and $20 \%$ GP and $20 \%$ IM from $0.25-0.5 \mathrm{~mm}$ fractions have partial alteration mantles. |
| 052080 | Augite-almandine-hornblende/epidote-diopside assemblage. 5 IM from $0.5-1.0 \mathrm{~mm} ; 3 \mathrm{GP}$ and 8 lM from $0.25-0.5 \mathrm{~mm}$ fractions have patial alteration mantles. |
| 052095 | Augite/epidote-diopside assemblage. Sole 1 M from $0.5-1.0 \mathrm{~mm}$ and 6 IM from $0.25-0.5 \mathrm{~mm}$ fractions have partial alteration manties. |
| 052306 | Augite-hornblende/epidcte-diopside assemblage. |

Access to Property

$R E P O R T$



OVERBURDEN REPORT


# OVERBUEDEN REPORT 



OVERBURDEN REPORT


Inventoried samples as funds Permit Processing


Inventoried Samples as funds Permit Processing:

| Ontario 8 MINISTRY OF ENERGY, NORTHERN $\quad \begin{aligned} & \text { DEVELOPMENT AND MINES } \\ & \text { MLAS Map Viewer }\end{aligned}$ | Notes: <br> Sample-052028 <br> Claim-670563 <br> Trail from Tonomo Lake rd to sample $<\cdots-\cdots$ |  |
| :---: | :---: | :---: |
| 31L18F <br> 31L13F383 <br> 670563 |  | Legend |
| Those wishing to register mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Energy. Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources and Forestry. The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Energy, Northern Development and Mines web site. | Projection: Web Mercator <br> Imagery Copyright Notices: Ontario Ministry of Natural Resources and Forestry; NASA Landsat Program; First Base Solutions Inc.; Aéro-Photo (1961) Inc.; DigitalGlobe Inc.; U.S. Geological Survey. <br> © Queen's Printer for Ontario, 2022 |  |



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