Pikoo Diamond Project
Path to Continued Discovery

March 2020
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Disclosure of a scientific or technical nature related to North Arrow’s projects in this presentation has been reviewed and approved by Ken Armstrong, P.Geo. President and CEO of North Arrow and a Qualified Person under NI 43-101.
CORPORATE OVERVIEW – PROJECTS

North Arrow MINERALS INC.

Advanced Stage

1. Naujaat (100%) Significant diamond inventory; potential value upside: fancy orange-yellow diamonds

Discovery Stage

2. Mel (100%) Kimberlite Field discovery
3. Loki (100%) Kimberlite 465 discovered 2018; 1st Lac de Gras discovery in > 5 years
4. LDGJV (Dominion) Kimberlite discovery in 2019
5. Pikoo (100%) Kimberlite Field discovery
6. Luxx (100%) Permitted & drill ready

Grassroots

7. Timiskaming (JV w SWY)

Brownfields Gold

8. Hope Bay (100%)

Assessing a known kimberlite or diamond deposit

Next stage of diamond exploration could lead to discovery

Target development

Within 3km of TMAC’s Doris Mine; similar geology and structures
5. Pikoo (100%) Kimberlite Field
discovered by North Arrow

Next stage of diamond exploration
could lead to discovery

Excellent diamond potential
A tired project???
...Or poised for renewed discovery?
North Arrow (100%)

Excellent Jurisdiction

Good local infrastructure; within 10 km of SK Hwy 911– more than 200 km from nearest kimberlite field (FALC)

10 discrete kimberlites discovered to date. Five tested and proven diamondiferous

PK150 – most significant diamond discovery; 1,232 diamonds > 0.106 mm from 531 kg

More unique unsourced KIM trains and drill targets

+0.85 mm stones recovered from PK 150
• Till sampling works (>1200 tills collected); five discrete KIM train areas.

• Positive samples range from 1 to 100’s of KIM grains.

• Excellent chemistry - kimberlite indicator minerals are probe-confirmed as derived from diamond stable mantle.

• PK150, PK311, PK312, PK314, PK346 & PK347 kimberlites discovered through ground geophysics and diamond drilling – all kimberlites tested (5) have proven diamondiferous.
PK150 Diamond Results

- 209.7 kg sample from drill core
- 745 diamonds > 0.106 mm
- 23 diamonds > 0.85 mm
- Total Carats >+0.85mm = 0.2815
- > 95% of diamonds are intact, white octahedrons or aggregates

<table>
<thead>
<tr>
<th>Number of Diamonds per Sieve Size (mm Square Mesh Sieve)</th>
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<tbody>
<tr>
<td>Sample Weight</td>
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<td>209.7</td>
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North Arrow MINERALS INC.
Compares well with two kimberlites currently slated for development.
- Near vertical body modelled down to 200 m below surface
- Expands gradually at depth
PIKOO PROJECT – DISTINCT INDICATOR TRAINS

Ice Direction

Deeper colour = more KIMs

Known kimberlites

Priority Targets

PK393 Target

Bear Lake Target
PK 150:
>800 pyropes / kg kimberlite;
PK 150 Tills:
16 pyropes / sample (1-20 grains)

North Pikoo Tills:
16 pyropes / sample (1-40 grains)
Kimberlites:
<10 pyropes / kg

Must be an undiscovered kimberlite source with good mantle sample at North Pikoo!
North Pikoo low target:

- in a topo low which cross cuts magnetic high amphibolite ridge
- Connects to kimberlite hosted E-W trending structural low valley
- up-ice of positive probe confirmed PYR’s from tills – including G10D’s

Minimum 3 DDH proposed: test North Pikoo low and connecting E-W valley
North Pikoo

dlow

Ground over airborne Magnetics: VG

NORTH PIKOO – UNSOURCED PYROPE TILL TRAIN

North Arrow

MINERALS INC.

Garnet

wt% Cr2O3 vs CaO

0 2 4 6 8 10 12 14 16

0 2 4 6 8 10 12 14 16

Cr2O3 CaO

G10 G9 G1

17
PK393 AREA KIMs—PROBE NORMALIZED TILLS

PK393 Target Area:

- topo low within an ENE trending structural low
- up-ice of positive probe confirmed KIMs from tills

Garnet
PK393 Target Area:

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- topo low within an ENE trending structural low
- up-ice of positive probe confirmed KIMs from tills
PK-393 coincides with Fugro’s anomalies Q and T shown on the profile of two parallel flight lines.
Bear Lake targets:

- NE trending structural topographic low
- up-ice confirmed KIMs from tills
- Ilmenites have unique chemistry from the rest of the property (majority >12 wt% MgO)
Future exploration to focus on 4 areas:
- PK150 – deep drilling & along strike
- North Pikoo – head of unsourced PYR train
- PK393 and surrounding targets
- Bear Lake target area
There are more out there....
• One of Canada’s largest under-evaluated diamond inventories at Naujaat’s Q1-4 kimberlite (~26 million carats)

• Two new diamondiferous kimberlite fields – Mel & Pikoo

• 465 – first Lac de Gras kimberlite discovery in over 5 years

• Anchor – first kimberlite discovery by the LDG joint venture

• 6 drill-ready (and fully permitted) diamond properties; including 5 that host known diamondiferous kimberlite – Naujaat, Mel, Pikoo, Loki & LDG
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