



TSXV:NAR

**North Arrow**

MINERALS INC.

Exploring Diamond  
Opportunities in Canada

*June 16, 2015  
Marketing Presentation*



**North Arrow**  
MINERALS INC.

# FORWARD LOOKING STATEMENT

This presentation contains projections and forward looking information that involve various risks and uncertainties, including, without limitation, statements regarding the potential extent of mineralization, resources, reserves, exploration results and plans and objectives of North Arrow Minerals Inc. These risks and uncertainties include, but are not restricted to, the amount of geological data available, the uncertain reliability of drilling results and geophysical and geological data and the interpretation thereof and the need for adequate financing for future exploration and development efforts. There can be no assurance that such statements will prove to be accurate. Actual results and future events could differ materially from those anticipated in such statements. These and all subsequent written and oral forward-looking statements are based on the estimates and opinions of management on the dates they are made and are expressly qualified in their entirety by this notice. The Company assumes no obligation to update forward looking statements should circumstances or management's estimates or opinions change.



# THE OPPORTUNITY

## North Arrow

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- **EXPERIENCED TEAM** – Successful exploration and development (Aber; Diavik; Lucara; Stornoway; SouthernEra)
- **LEVERAGED EVALUATION** - Canadian diamond projects developed over years of exploration by past companies at costs in excess of \$40 million dollars
- **SOLID FINANCIAL BACKING** - >\$18M raised over last two and a half years while maintaining an attractive share structure - ~54.0M shares o/s; ~59.5M shares f/d
- **ADVANCED QILALUGAQ PROJECT** – next steps to be determined.
- **NEW DISCOVERIES** – Discovered Canada’s newest diamond district in 2013 at Pikoo, SK
- **PURE DIAMOND PLAY** – Solely focused on diamond projects located in Canada at a time where diamond fundamentals are robust and predicted to remain so for the foreseeable future



## North Arrow

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Corporate Highlights

### ■ Capitalization

Listing:	TSX Venture - NAR	
Issued:	54.0 M	
Options:	4.5 M	
Warrants:	1.0 M	\$0.25 & \$0.65
Fully diluted:	59.5 M	
Estimated Working Capital:	\$5.5 M*	

*\*includes a \$4 million bought deal financing closed on May 28, 2015 consisting of 4,211,000 flow-through common shares at a price per Flow-Through Share of \$0.95, for total gross proceeds of \$4,000,450.*

### ■ Main Shareholders

Management/Directors	~16.6 %
Zebra Holdings & Investments	~18.0%

*controlled by a trust settled by the late Adolf H. Lundin*



# CORPORATE OVERVIEW - PEOPLE

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## Management Highlights

**D. Grenville Thomas (Chairman)** Founder of Aber Resources (now Dominion Diamond Corporation), discoverer of the Diavik Diamond Mine. 2009 Canadian Mining Hall of Fame inductee.

**Ken Armstrong (President, CEO and Qualified Person under NI 43-101)** Diamond exploration and evaluation experience with Diavik Diamond Mines Inc., Aber Resources, De Beers, Navigator Exploration, and Stornoway Diamond Corporation.

**Christopher Jennings (Director)** Founder of SouthernEra Diamonds Inc., consultant to Aber Resources and has held positions with numerous companies including International Corona Corp., BP Minerals (Canada) and Falconbridge Ltd.

**William Lamb (Director)** President and CEO of Lucara Diamond Corp., 20 years project development experience with Lucara, De Beers, Kvaerner and Rand Mines.

**Blair Murdoch (Director)** More than thirty years experience in senior management of private and public companies.

**Eira M. Thomas (Advisor)** Extensive diamond exploration and development experience in Canada and Africa. Has served as an officer and director of Aber Resources and Stornoway Diamond Corporation. Currently CEO of Kaminak Gold Corporation and a director of Suncor and Lucara Diamond Corp.





# CORPORATE OVERVIEW – PROJECTS

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### Redemption (NT)

- Near Diavik & Ekati mines
- Unexplained KIM trains
- Earning 55% from Arctic Star

### Lac de Gras (NT)

- >300,000 acres
- Near Diavik & Ekati mines
- 1<sup>st</sup> \$5M funded by Dominion Diamonds

### Pikoo (SK)

- New diamondiferous kimberlite (2013)
- New discoveries in 2015
- 80/20 JV with Stornoway
- **Diamond results pending**

### Qilalugaq (NU)

- Big kimberlite on tide water
- 3000 carats required to properly assess value
- Potential still remains for high value stones
- Earned 80% from Stornoway

### Mel (NU)

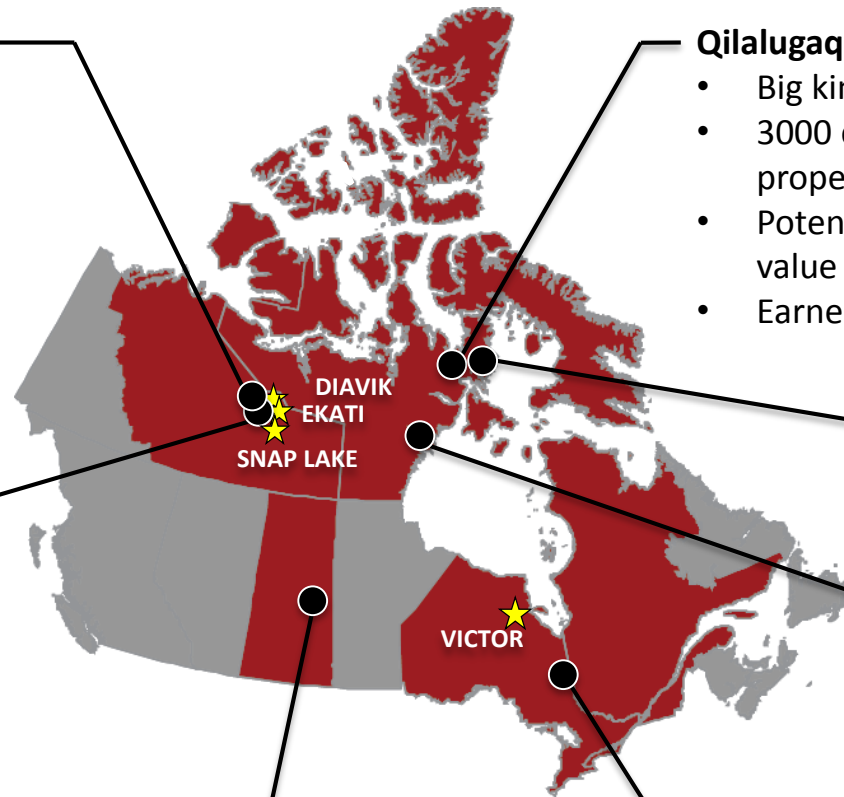
- KIM targets
- 100% NAR

### Luxx (NU)

- KIM targets
- 100% NAR

### Timiskaming (ON/QC)

- Six kimberlites
- Additional targets
- 80/20 JV with Stornoway





# Q1-4 DIAMONDS

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### Mini-bulk sample results (May 2015)

- 384 carats from 1,353 dry tonnes of kimberlite
- Largest stones: 4.42 cts, 4.16 cts, 3.53 cts; all yellow cubic aggregates.
- 9.0% yellows by stone count.
- 21.5% yellows by carat weight.
- Yellow diamond population is significant.

### Valuation Results (June 2015)

- Parcel valued at \$13,795 or \$36 per carat.
- Low modelled price of \$43 per carat and a “possible high” model price of \$92 per carat.



+9 DTC and above “run of mine” from 1,353 dry tonnes of the Q1-4 kimberlite

**WWW’s Primary Conclusion:** *the valuation results and modelled values should be treated with considerable caution when it comes to assessing the Qilalugaq Project. The parcel is small and complicated by two distinct diamond populations which essentially gives two smaller diamond parcels.*

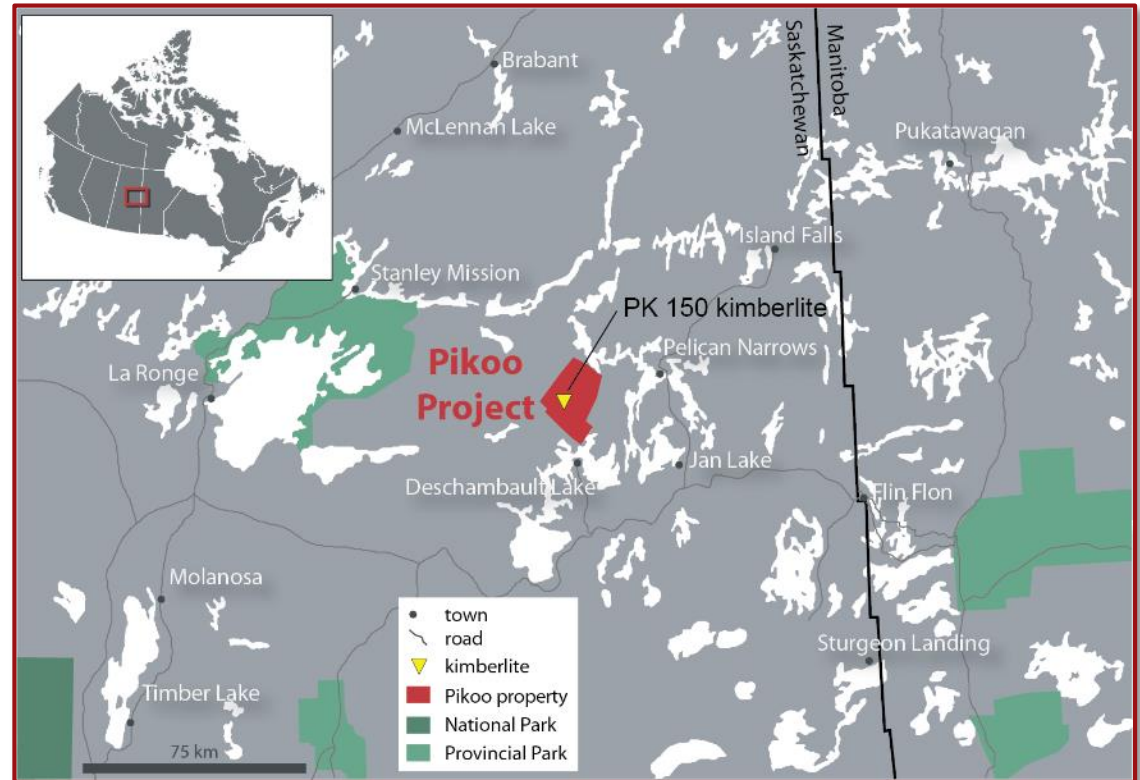


# PIKOO PROJECT, SK

## North Arrow

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- North Arrow (80%)/Stornoway (20%) Joint Venture.
- Good local infrastructure; within 10 km of SK Hwy 911– more than 200 km from nearest kimberlite field (FALC).
- Exceptional diamond results from PK150 kimberlite in 2013; 23 diamonds > 0.85 mm from 209 kg.
- 560 till samples were collected in 2014 to generate new target areas.
- Spring 2015 drill program completed: three new kimberlites discovered; PK150 doubled in size.







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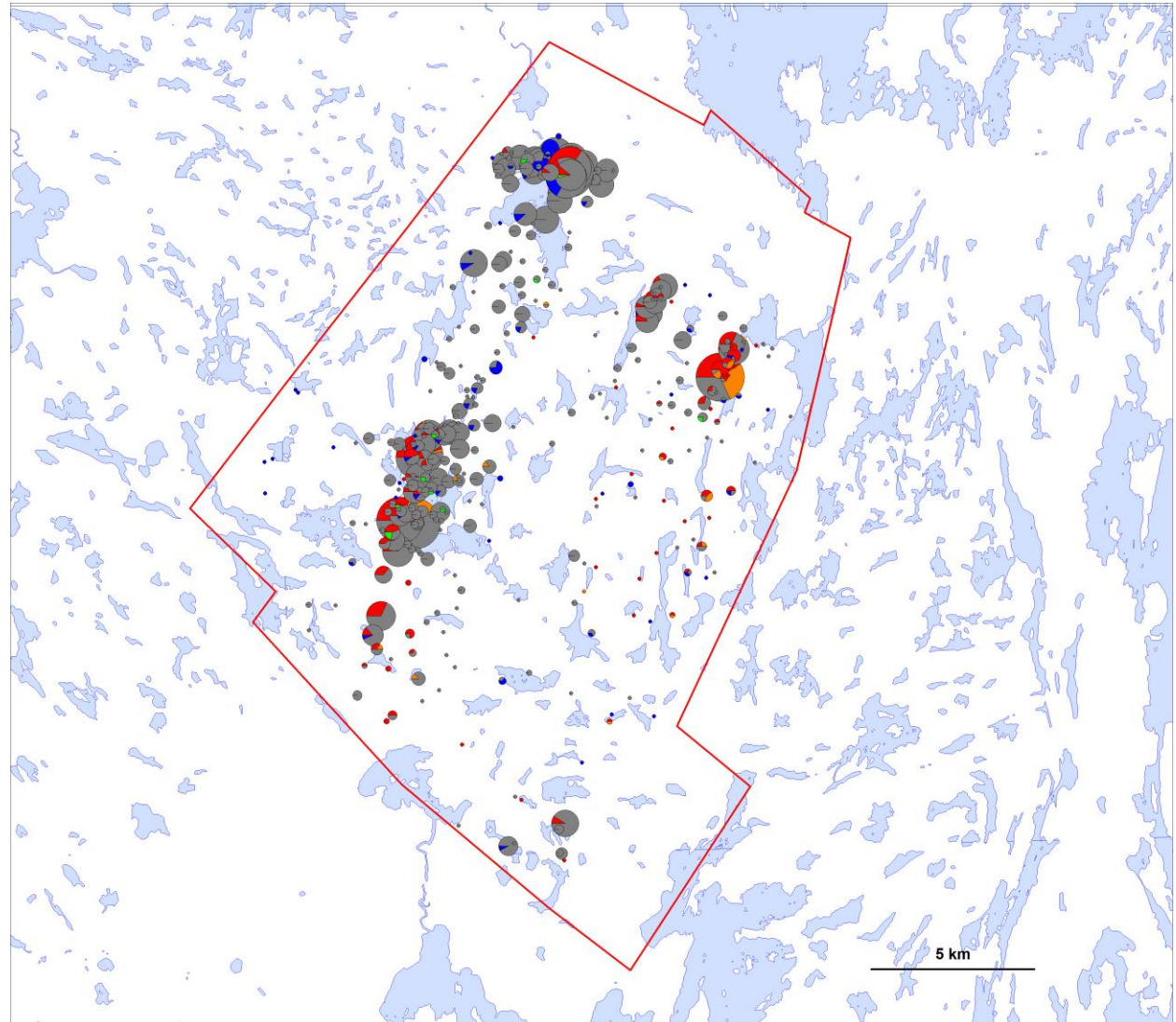


# PIKOO PROJECT – KIMBERLITE INDICATOR TRAINS

## North Arrow

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- 441 till samples taken in June 2014 program intended to infill existing KIM anomalies to define new KIM trains.
- Fall 2014 sampling program collected an additional 109 samples in cut-off areas of new unsourced KIM trains.
- All indicator trains are probe-confirmed to be mantle derived and indicative of a kimberlitic source.
- Five distinct trains now exist.







# SPRING 2015 DRILLING – NEW KIMBERLITES

## North Arrow

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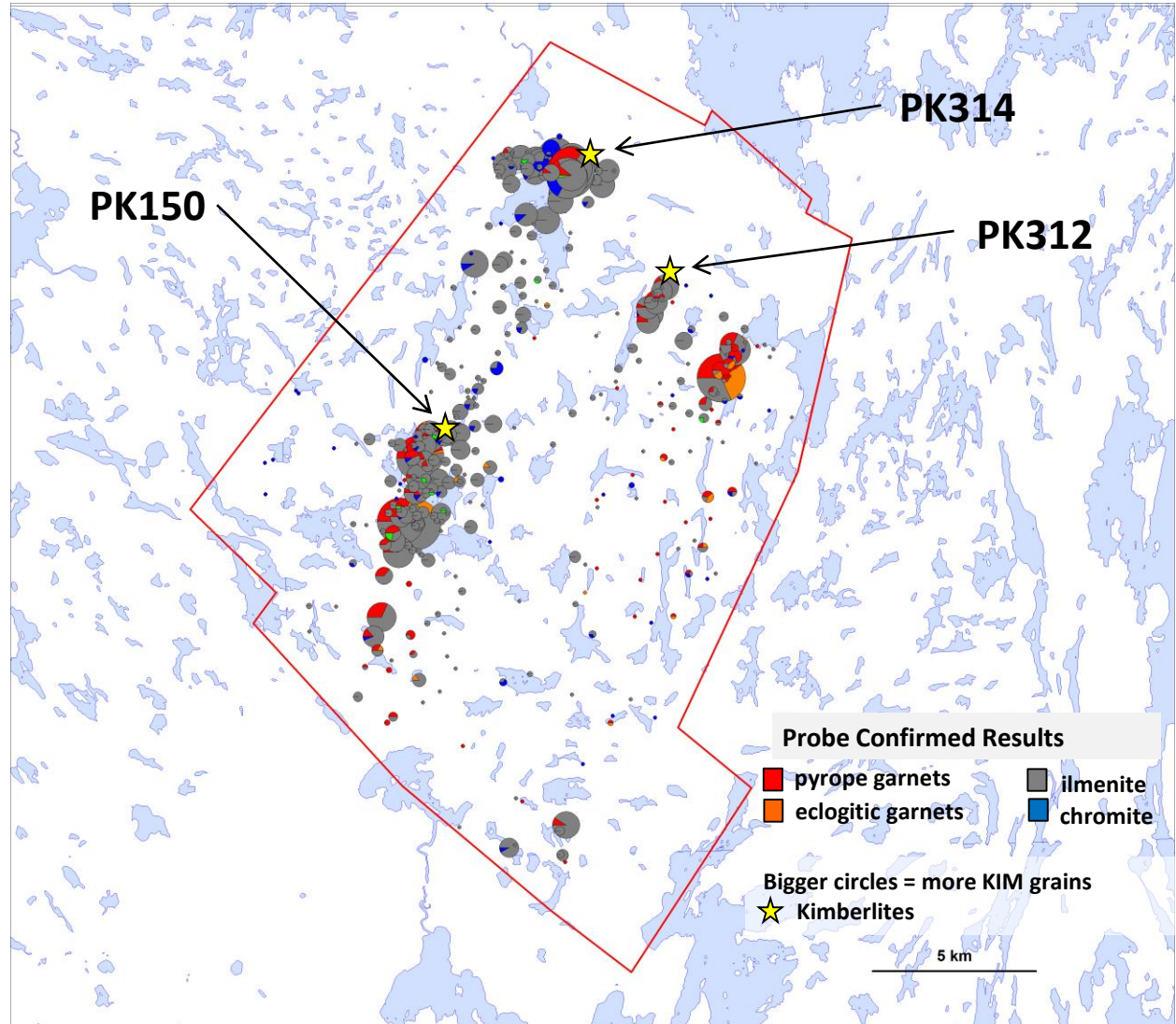
- 24 drill holes (3,243 m) tested kimberlite discoveries from 2013 and new targets defined by till sampling programs in 2014.

### Most significant new discovery is PK314

- 25 m wide; >40 m strike length; drilled to 213 m depth.
- Possible transitional textures suggest diatreme.
- Best pyrope geochemistry on the property.

### PK150 delineation drilling

- Strike extended to 150 m; depth to 199 m.
- Eastern extension not constrained by high intensity magnetics; Diatreme-type pyroclastic textures.



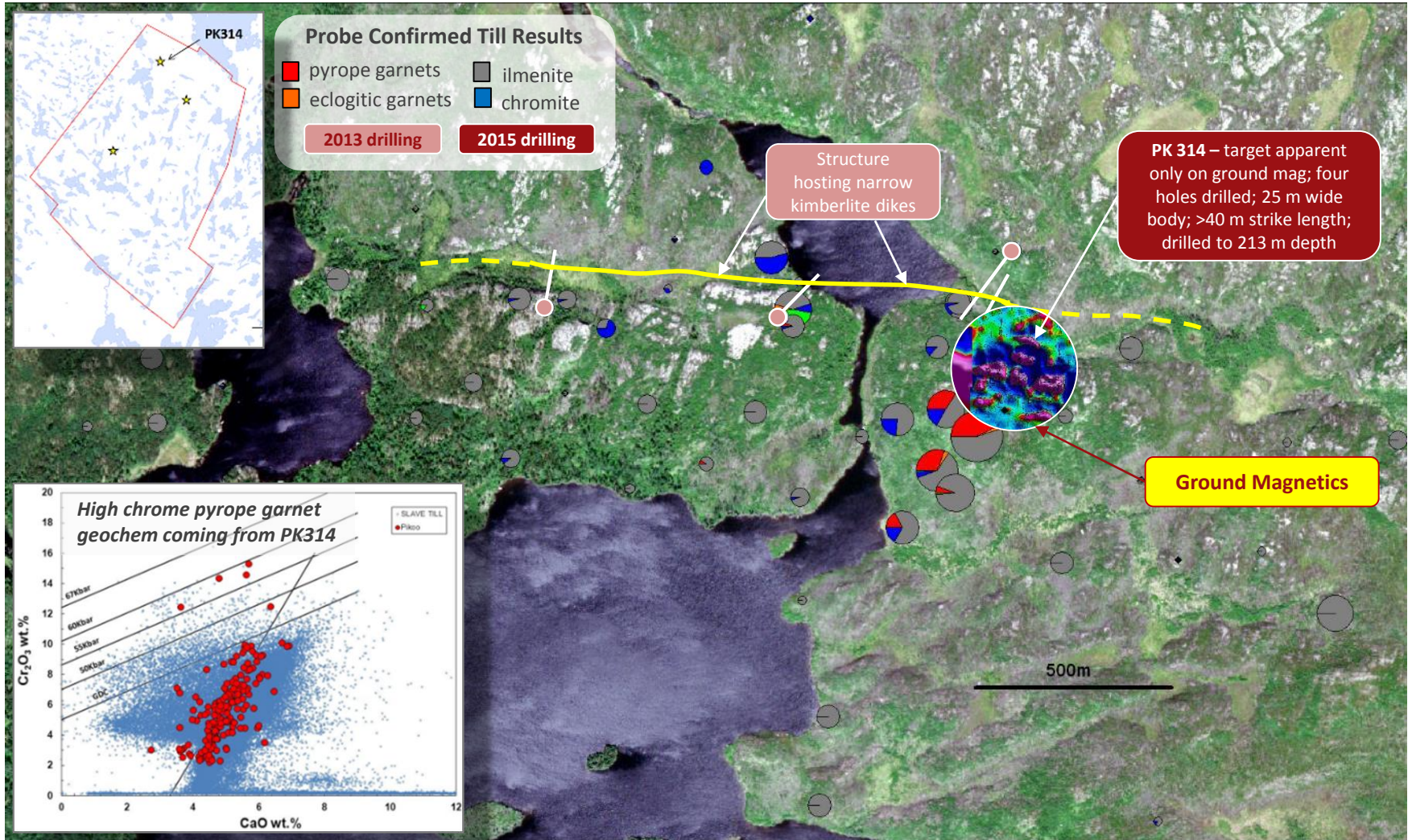




# SPRING 2015 DRILLING – PK314

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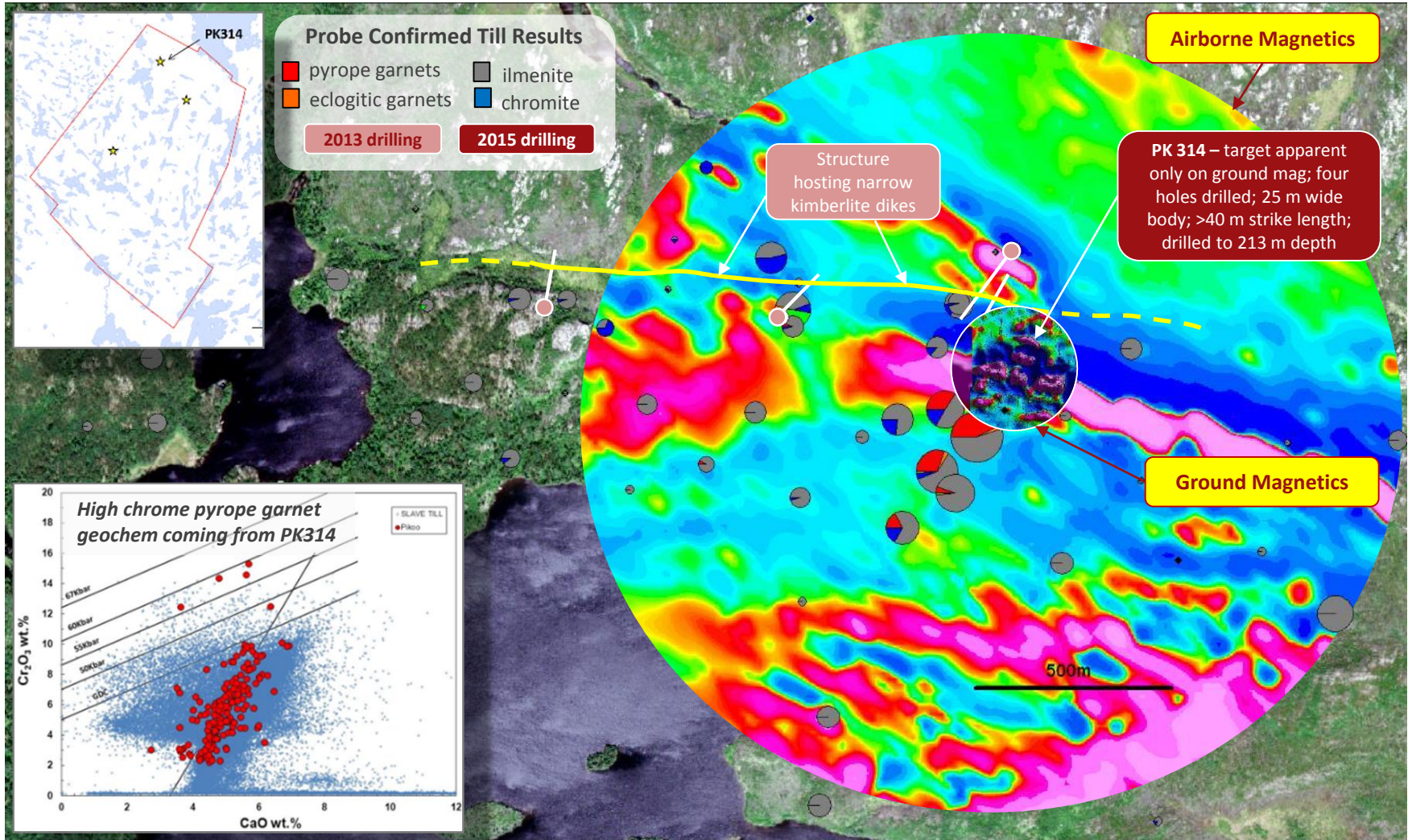




# SPRING 2015 DRILLING – PK314

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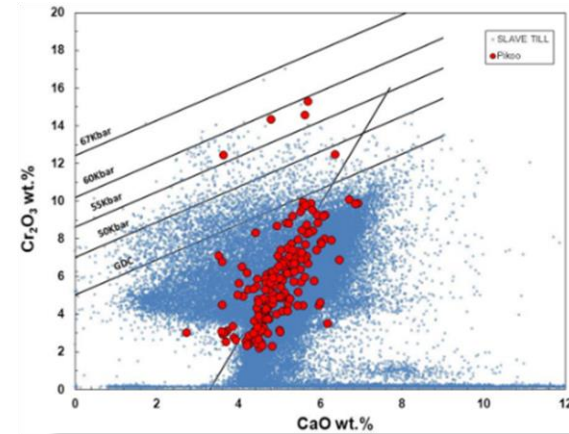


# MANTLE NODULES IN PK314

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- Source body for highest chrome pyrope garnets on the property.
- 475 kg currently being processed for microdiamonds by caustic fusion; due July 2015.







# SPRING 2015 DRILLING – PK150

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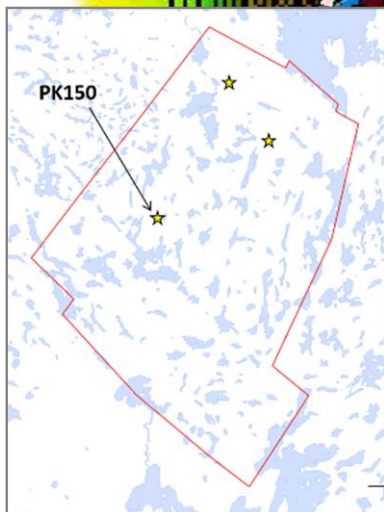
2013 drilling

2015 drilling

- Hole PK34 intersected 30m of kimberlite (21.5m true width) ~29m eastern stepout; weakly magnetic zone; subtle mag targets now on radar.
- Magmaclasts suggest transitional to diatreme facies.

Drill Hole PK34

creek



Ground Magnetic Field Data of PK150 – Vertical Gradient

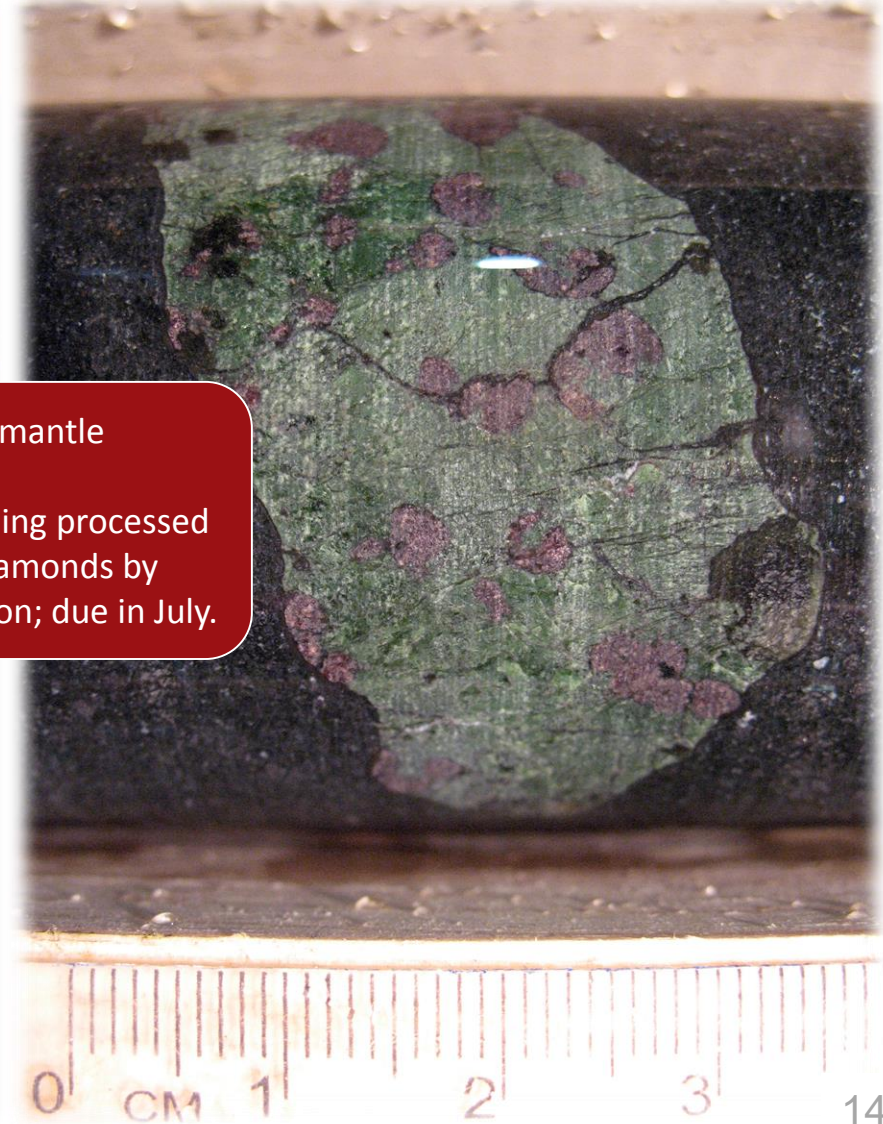
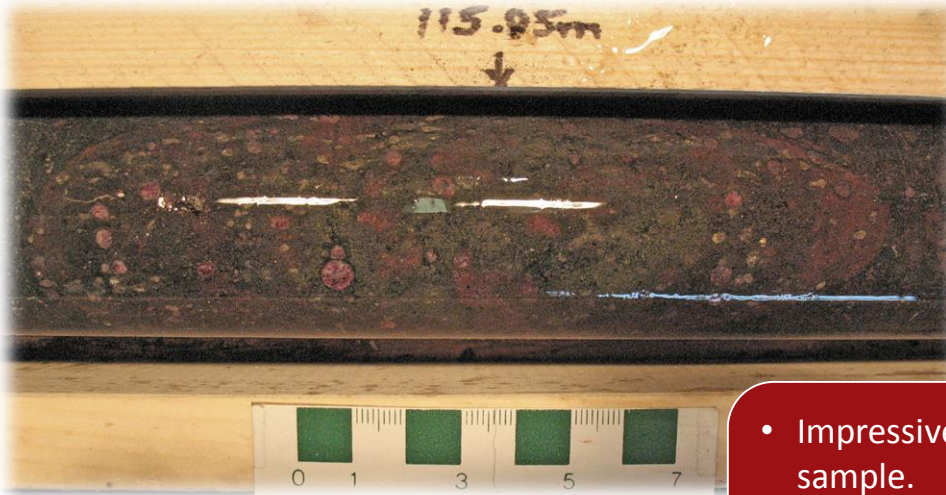




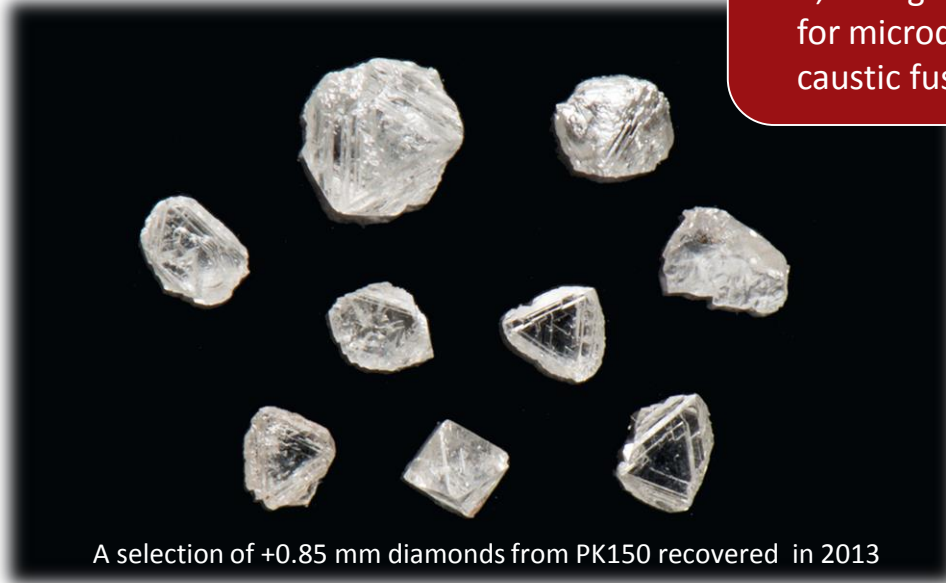
# MANTLE NODULES IN PK150

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- Impressive mantle sample.
- 1,124 kg being processed for microdiamonds by caustic fusion; due in July.



A selection of +0.85 mm diamonds from PK150 recovered in 2013





- 2015 spring drilling kimberlite intersections have been submitted for microdiamond processing.

Kimberlite Body	Amount Submitted for Diamond Processing ( <i>approximately</i> )	Results Due
PK 150	1,124 kg	July 2015
PK 312	12 kg	July 2015
PK 314	475 kg	July 2015

- Summer program currently being planned; permitting and consultation to follow.
- Likely to commence in August and will focus on target generation for a 2016 spring drilling program.
- 2015 program will consist of:
  - infill till sampling within and up ice from existing indicator trains.
  - Heliborne or drone high resolution aeromagnetic survey of indicator train source areas; PK150 eastern extension and PK314 discovery demonstrate how subtle mag signatures could be for kimberlite.

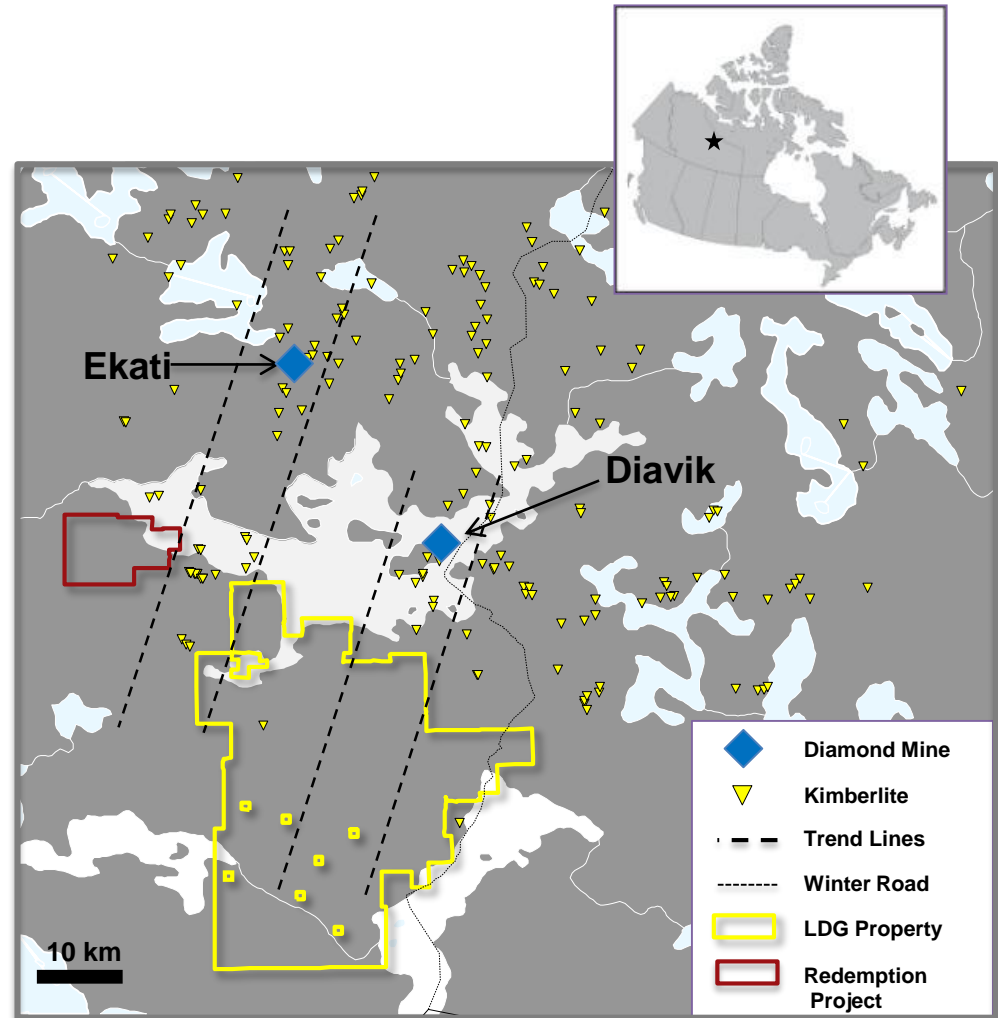


# REDEMPTION PROJECT, NT

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- At the western end of the Lac de Gras kimberlite field.
- 34,300 acres located within the Lac de Gras diamond district.
- 32 km southwest of Ekati diamond mine; 47 km west of Diavik diamond mine.
- Under Option from Arctic Star Exploration; NAR to spend \$5 million by 2017 to earn a 55% interest.
- Contains a large, unsourced indicator train in the Lac de Gras region: the South Coppermine Train.



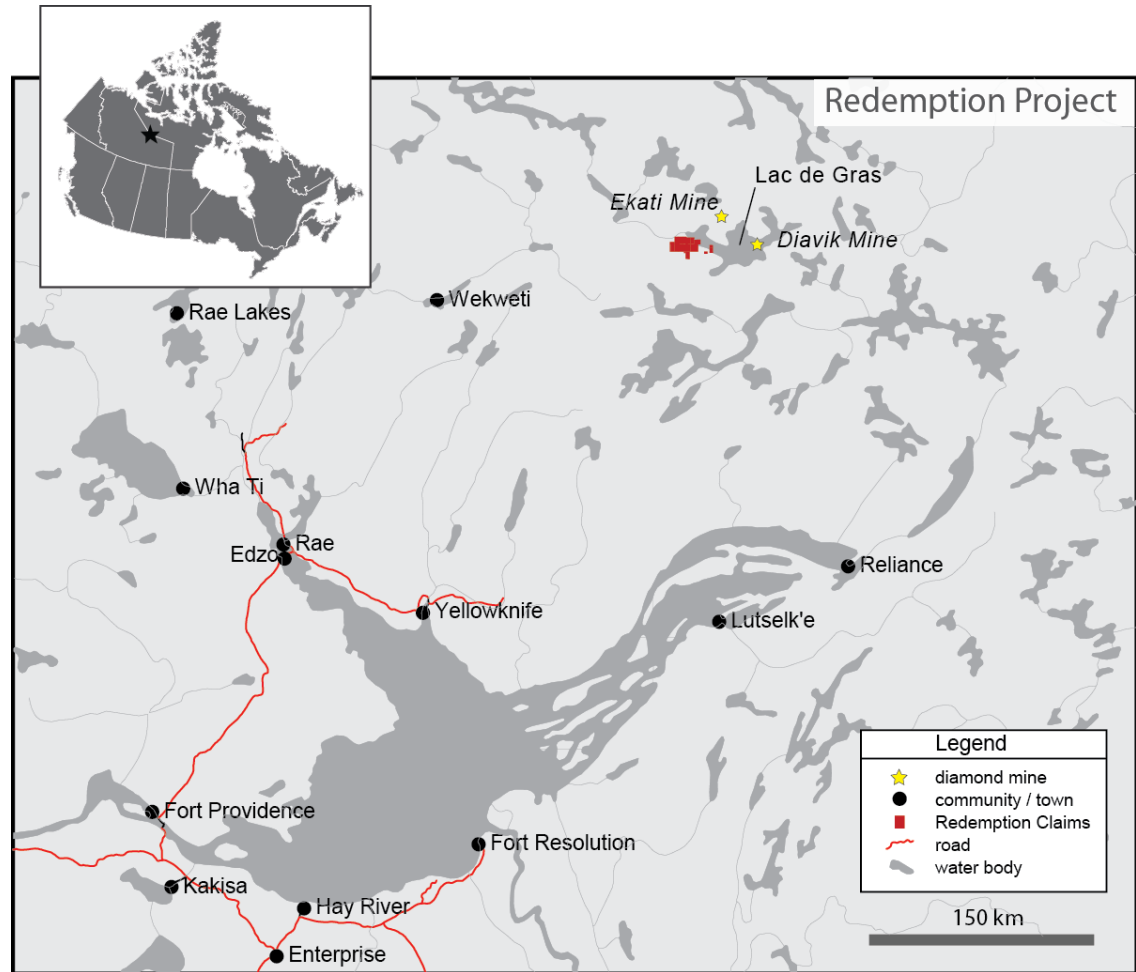


# REDEMPTION EXPLORATION SINCE 2013

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- **2013** - work included an airborne gravity survey; bathymetry surveys; 350 till samples.
- **2014** - 800m of drilling tested seven targets located up ice of the South Coppermine KIM train; targets consisted of various combinations of gravity, mag and electro-mag anomalies; no kimberlite was intersected.
- **May 2015** – ground mag surveys were completed on 14 separate grids; total of 69 line km of surveying was completed testing 25 targets.
- **March- May 2015** - government funded study - Slave Province Surficial Materials and Permafrost Study



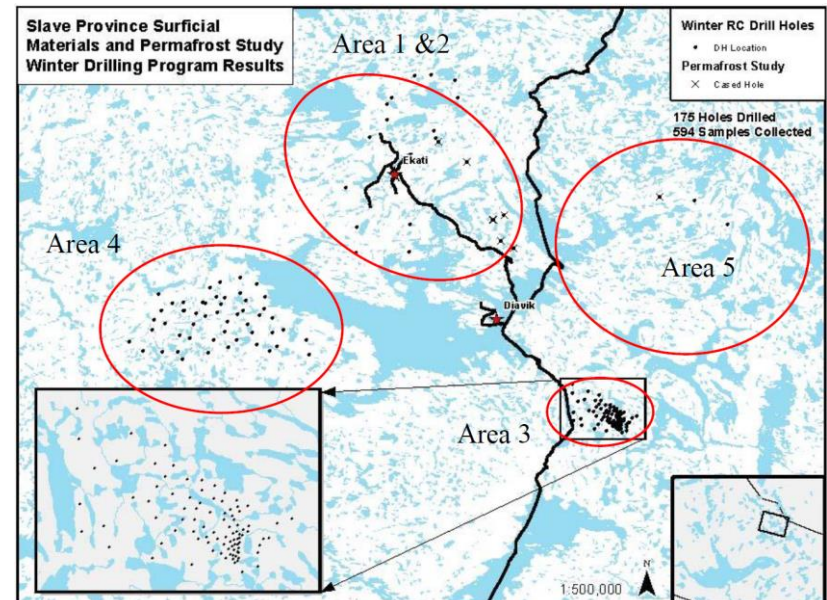


# REDEMPTION PROJECT – NEXT STEPS

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## Slave Province Surficial Materials and Permafrost Study

- Unsourced South Coppermine KIM train lies within one of five areas of the Government funded research project led by the **Northwest Territories Geological Survey (NTGS)**.
- ~ 52 overburden reverse circulation drill holes were completed within and around the property between March and May of 2015.
- NTGS building a regional 3D indicator mineral and till geochemistry database.
- Additional shallow core drilling planned for the coming summer program to aid in interpretation of the KIM and geochemical databases.
- Comparative study of Monument indicator train to Coppermine indicator mineral train - Why is one well defined, one enigmatic? They are proximal.







## Surficial Geology Study

- NAR funding more detailed evaluation of the surficial geology to better define and interpret the South Coppermine KIM Train; desktop evaluation of available air photo, satellite imagery & KIM database.
- A summer follow up program will be conducted to ground truth and test the interpretations derived from this work.
- Results of these new work programs will be used to define targets in preparation for a **spring 2016 drill program to locate the bedrock source of the South Coppermine KIM Train.**



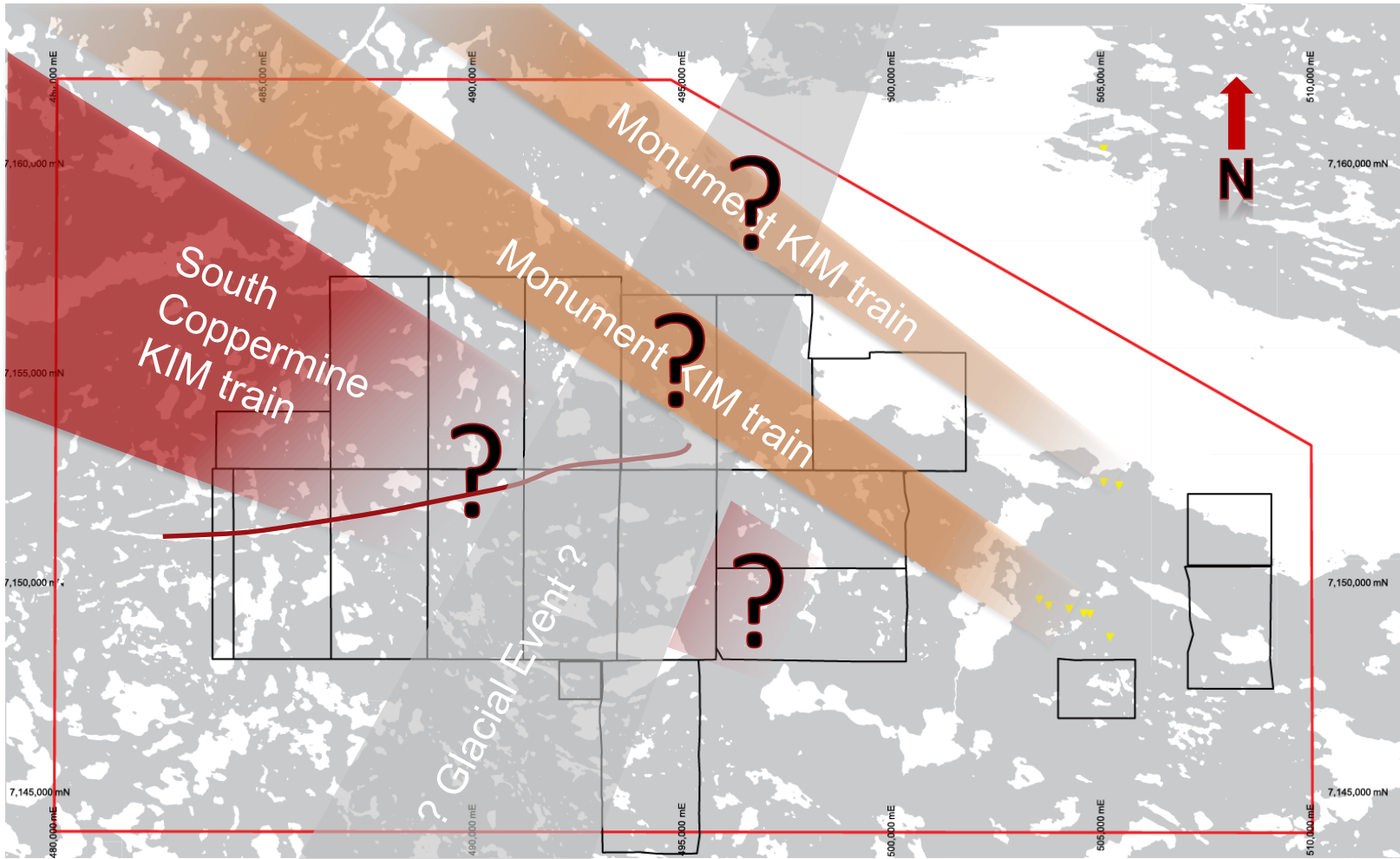


# REDEMPTION PROJECT, NT

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## The South Coppermine KIM train

A significant unsourced indicator train with excellent chemistry in one of the richest diamond districts in the world; Lac de Gras.





# North Arrow

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*President & CEO*

**Gren Thomas**  
*Chairman*

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