

# A GENERATIONAL OPPORTUNITY

in Critical Metals

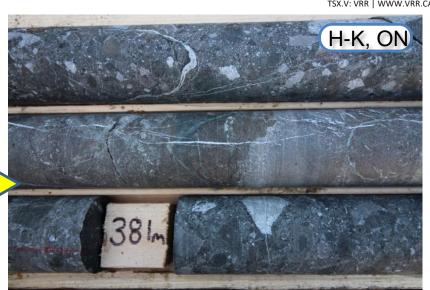
# Blue sky discoveries of large-footprint breccia systems in both Nevada and Ontario by VR over the past eleven years, from 2014 through 2024.





From silica-specularite hyd. breccia in alkaline porphyry at **Bonita**, to ...

... carbonatite dykes, veins and vein breccia with REE in IOA hydrothermal system at Hecla-Kilmer, to...





... pyroclastic kimberlite diatreme breccia with diamond fragments at **Northway,** to ...

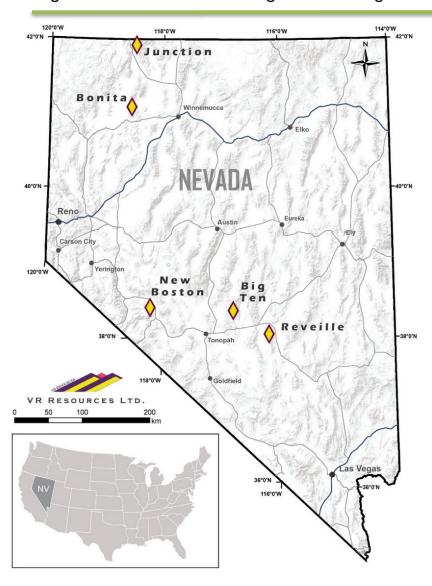
... stockwork veins with Mo-W-Cu-Ag in potassic alteration of monzonite porphyry at **New Boston.** 



### VR HAS ACQUIRED AND ADVANCED EIGHT PROPERTIES SINCE 2014

Claims in Nevada are held in a 100% owned subsidiary, Renntiger Resources USA Ltd., registered in Nevada and in good-standing since 2012.



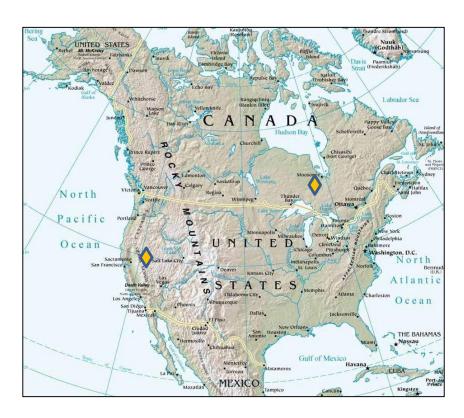


## GOOD INFRASTRUCTURE FOR COST-EFFECTIVE **EXPLORATION & DEVELOPMENT**

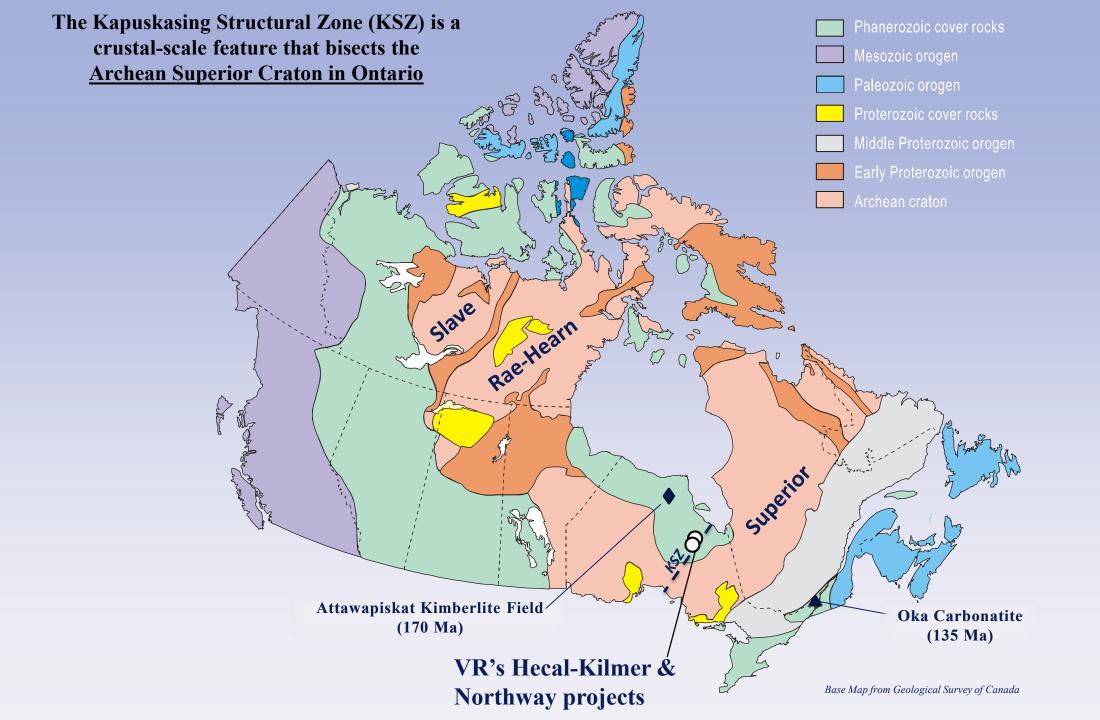
- Easy access to properties in Nevada from the international airport at Reno;
- Road access to <u>and</u> through properties, with nearby towns for service hubs;
- Power and rail infrastructure;
- Temperate climate for year-round exploration.

#### SOLID OWNERSHIP; SOLID JURISDICTIONS

- Properties owned 100%, with no carried interests, to leverage upside potential for investors;
- Supportive regulatory environment with long history in mining = effective permitting;
- Nevada Properties outside of sage grouse protection areas.



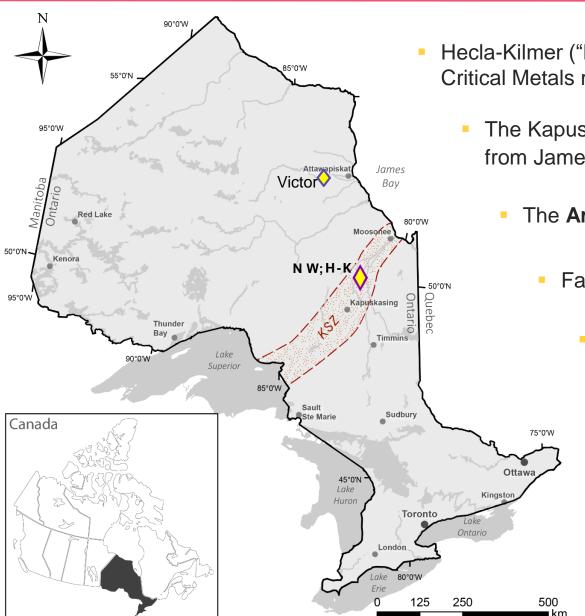




# VR HAS BEEN EXPLORING THE KAPUSKASING SHEAR ZONE IN NORTHERN ONTARIO FOR SIX YEARS; IT IS THE PERFECT SETTING FOR LARGE HYDROTHERMAL-MAGMATIC SYSTEMS WITH CRITICAL METALS

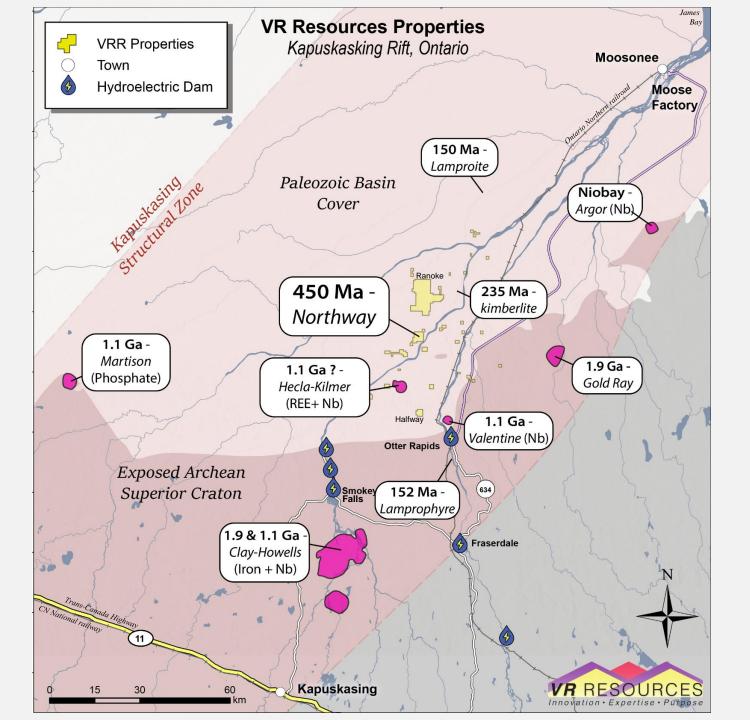


T S X . V: V R R | W W W . V R R . C A



- Hecla-Kilmer ("H-K") is in the right geologic setting for large
   Critical Metals mineralized systems such as Carbonatite or IOCG.
  - The Kapuskasing Structural Zone (KSZ) is a **failed rift** running from James Bay to Lake Superior, where:
    - The Archean Superior Craton has been pulled apart,
      - Fault structures penetrate deep into the crust,
        - The crust has thinned and allowed unusual magmas to form and ascend; numerous Alkaline intrusions and Carbonatites occur along the KSZ
          - Most of the known **REE** and **Niobium** deposits in Ontario occur along the KSZ

INNOVATION • EXPERTISE • PURPOSE





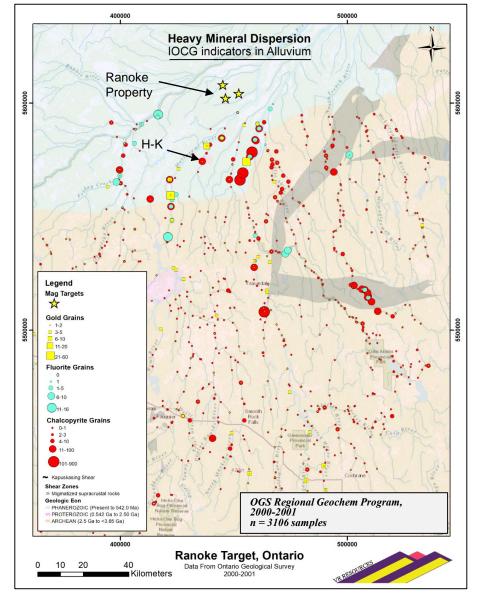
The KSZ is a Proterozoic failed rift with a long-lived history of alkaline and kimberlite intrusions spanning 1.9 billion years of earth history!!

The Northway kimberlite discovery by VR in 2022 is a new, previously unrecognized kimberlite event in the district.

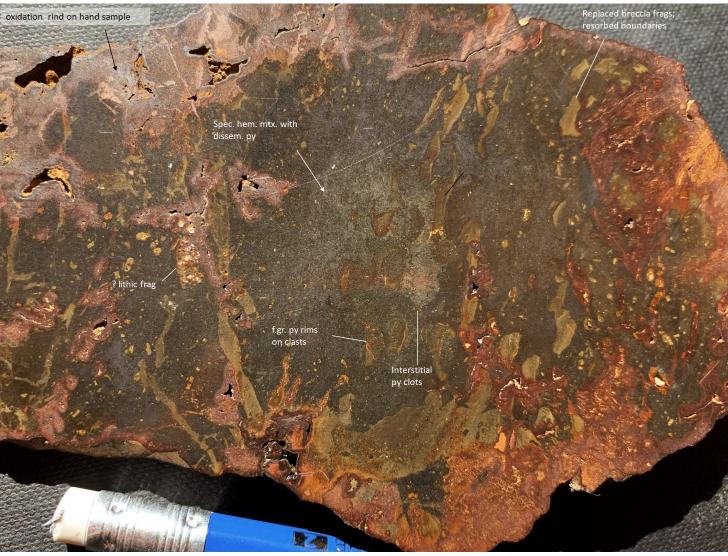
It is the outcome of our IOCG exploration at Ranoke, and REE discovery at Hecla-Kilmer.

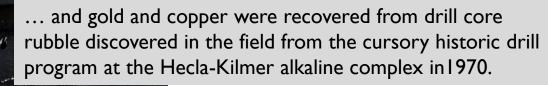
VR has the expertise to analyse large OGS regional geochemical data sets to evaluate IOCG potential on a regional structure like the KSZ ... and follow-up river prospecting by VR provided evidence for iron-rich hydrothermal breccia systems in the region!

VR properties are in the covered Region of a Multi-Element Copper-Gold-Fluorite Heavy Mineral Anomaly; a Unique Mineral Assemblage Indicative of an IOCG\* Source

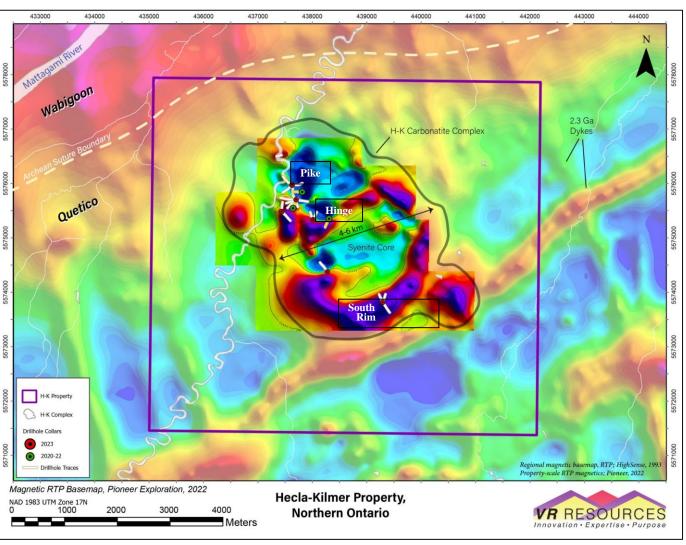


VR prospecting, 2019, Mattagami River
River cobble of hydrothermal breccia cemented by hematite, and containing disseminated iron sulfide





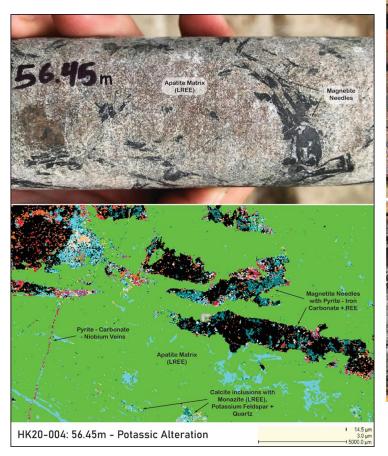


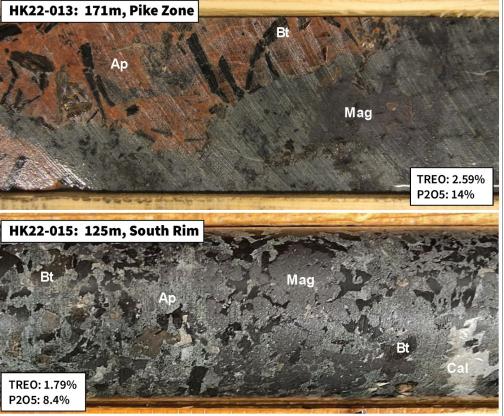


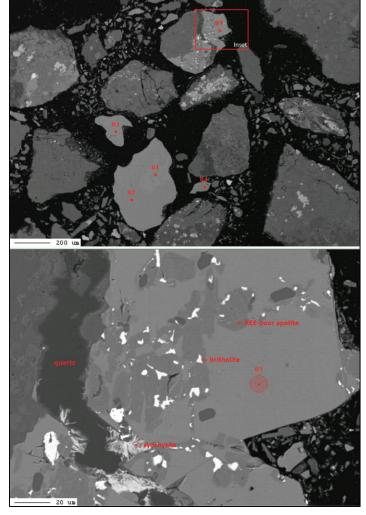
New ground gravity, 2021 ... New Drone Mag, 2022 ... XRF AI Scanning, 2022 ... 3D MVI magnetic modeling in 2023...



# Using Scanning Electron Microprobe technology, we were able to determine a uniquely enriched apatite source for the rare earth elements (REE) found in carbonatite veins and breccia at Hecla-Kilmer.







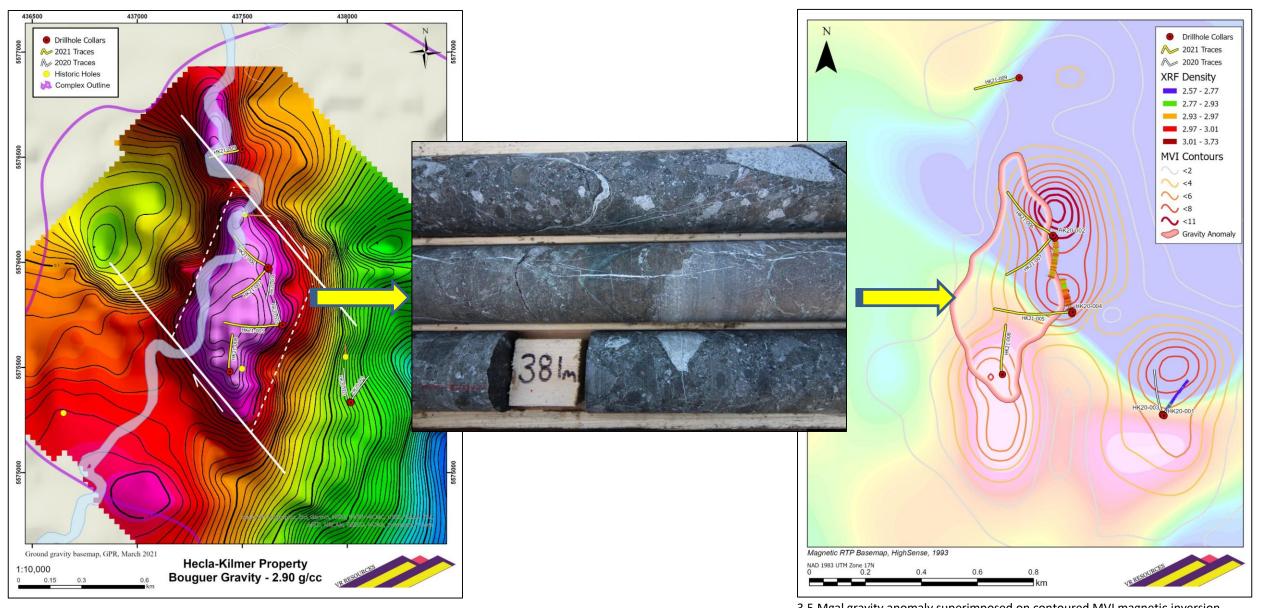
Drill core photo and QEMSCAN image from just **15 metres below bedrock surface** in HK20-004 at Pike Zone, drilled on the same collar location as Hole 13. About 80% of the **PMREOs**((Ce,La,**Nd,Pr,Dy,Tb**,Th)PO<sub>4</sub>) are in **apatite**, both within the crystal lattice and in **monazite** inclusions within the apatite. The remaining 20% occur

and in **monazite** inclusions within the apatite. The remaining 20% occur as disseminations and veinlets of fluorocarbonates **synchysite-parisite**, which contain appreciable LREEs. Also, there are altered magnetite needles with reaction rims of pyrite–pyrrhotite–iron carbonate, and ilmenite and **pyrochlore** with niobium (Na,Ca)<sub>2</sub>**Nb**<sub>2</sub>O<sub>6</sub>(OH,F).

<u>Upper</u>: Grains are predominantly of apatite with Laser Ablation ICP-MS site annotated in red and shown in detail in the lower image. Varying shades of dull grey indicating varying and zoned REE in apatite.

<u>Lower</u>: Inset of upper image showing detail of bright white reflectance REE minerals monazite, britholite and synchisite within **apatite**.

Gravity and magnetics are key geophysical tools for IOCG exploration, and both were applied at Hecla-Kilmer, leading to the discovery of carbonatite vein breccia with REE-apatites within large IOA fenite alteration zones with hydrothermal biotite and magnetite

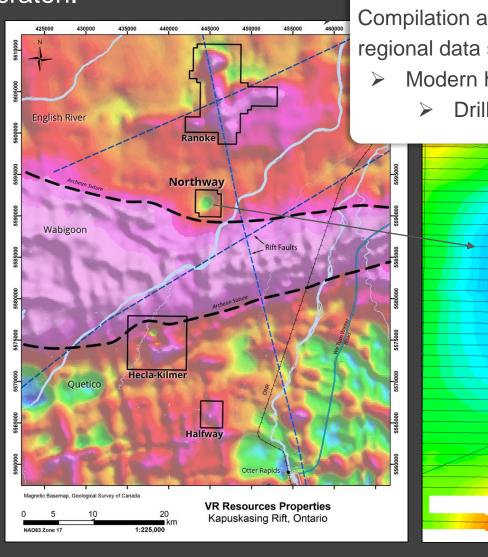


3.5 Mgal gravity anomaly superimposed on contoured MVI magnetic inversion anomalies plotted on RTP base map derived from drone survey.

<u>There is more than one crack</u>! Northway and Hecla-Kilmer are **large** magnetic anomalies on the western margin of the KSZ rift, yes, but they also occur on opposing tectonic suture boundaries of the Wabigoon sub-



province of the Archean Superior craton. Ranoke Northway Hecla-Kilmer Halfway **VR Resources Properties** Kapuskasing Rift, Ontario

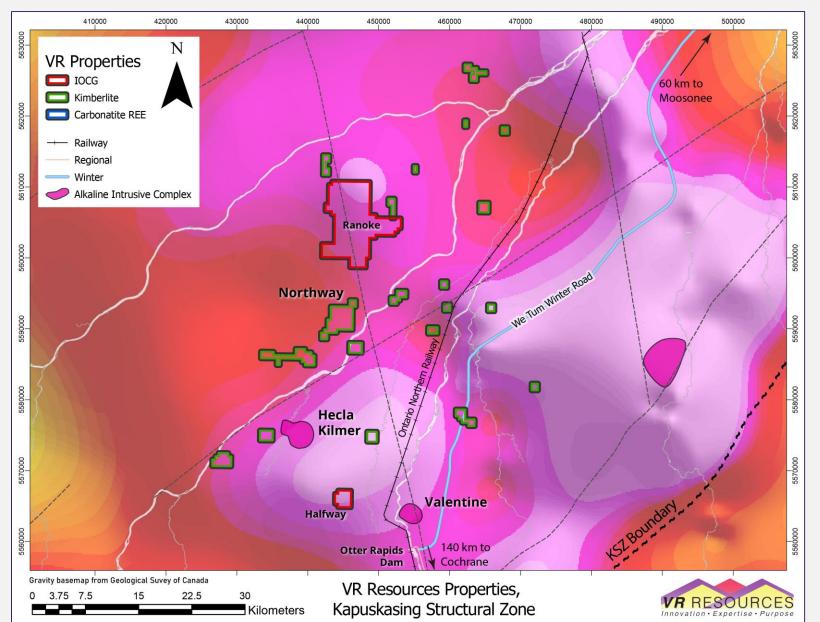


Compilation and analysis of historic & regional data sets leads to: Modern high-resolution surveys. Drill targeting of breccia pipes

VR Resources, March 2022

## THIS EXPLORATION PROCESS AND DISCOVERY TRAIL FROM RANOKE TO H-K TO NORTHWAY ISN'T DONE YET!





VR expanded its KSZ strategy upon the discovery of a diamond-bearing kimberlite pipe at Northway in Nov., 2022.

In addition to Northway itself, a large contiguous block 4 x 7 km in size covering 1,644 ha, VR staked 321 claims in 18 new properties, for a district-scale exploration strategy within an area of approximately 50 x 70 km.

The active, Ontario Northern railroad (ONR) runs through the land position!

All of the claims are owned 100%.

The potential on these properties spans diamond-bearing kimberlite breccia pipes to IOCG and carbonatite/IOA breccia systems with critical metals including copper, gold, Nb+REE.

View south over exploration camp at Otter Rapids, Oct. 2019

Northway discovery is about 50 km to the northwest

## ADVANCING THE DISCOVERY AT NORTHWAY IS ENHANCED BY ITS LOCATION.





ROAD: HWY 634

Public roads maintained year-round just 23km west of the Project

**RAIL: Ontario Northern** 

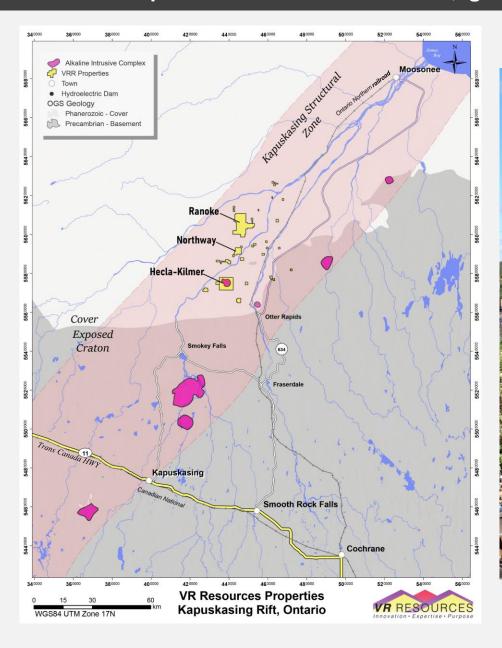
Connecting Moosonee on James
Bay to transcontinental CN Rail

ENERGY

Otter Rapids Dam generates 182 MWh of hydroelectricity

# LOCATION MATTERS FOR ADVANCING DISCOVERIES At Otter Rapids we have active rail, grid power, and highway access!









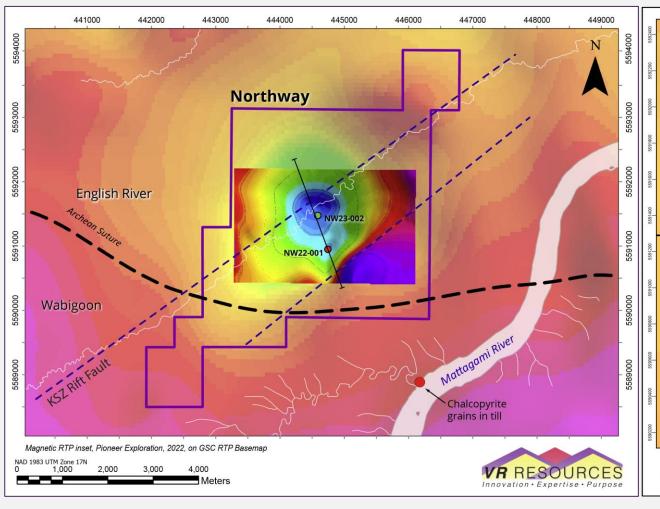


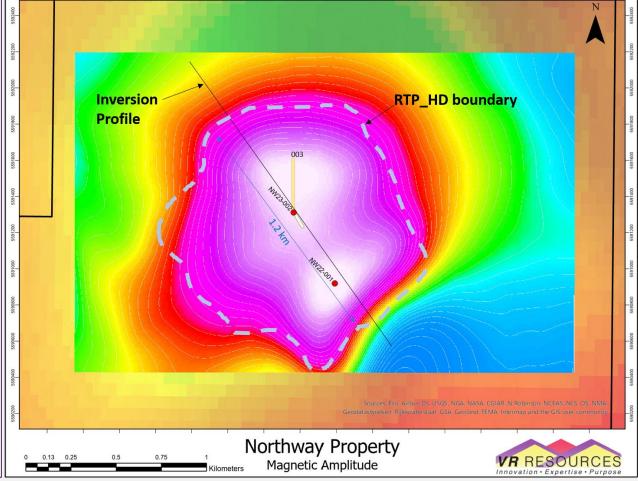
## THE UPSIDE POTENTIAL AT NORTHWAY IS UNDERSCORED BY THE SHEER SIZE OF THE KIMBERLITE DIATREME BRECCIA PIPE COMPLEX



Northway is **large**; it is a magnetic low in the range of 900 – 1,200 m across. Northway is **anchored**; it occurs on the Proterozoic KSZ rift structure, at the intersection with an Archean suture boundary.

The three drill holes completed to date by July, 2023, have all intersected kimberlite breccia; they span some **700 m laterally** and **320 m vertically** of the breccia pipe complex within the 1.2 km magnetic anomaly.

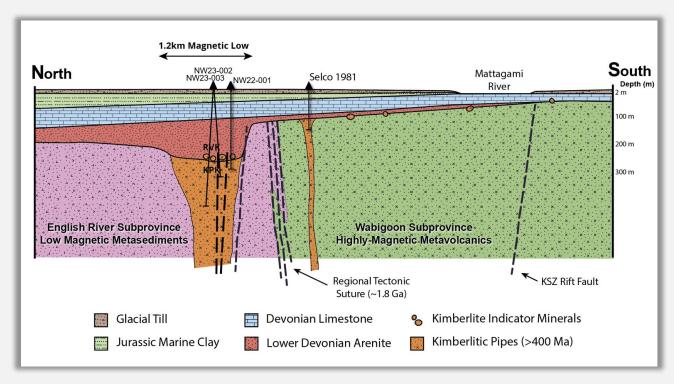




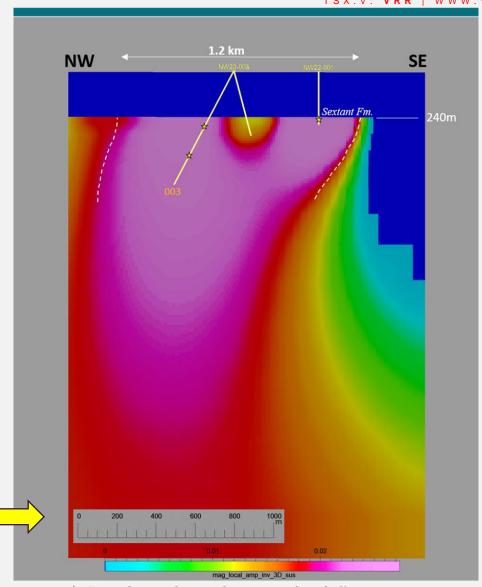
### NORTHWAY IS A LARGE KIMBERLITE DIATREME BRECCIA PIPE COMPLEX

IT CONFIRMS THE POTENTIAL FOR A NEW MID-PALEOZOIC KIMBERLITE FIELD IN CANADA





- 1. The Northway pipe is mid-Paleozoic age; it is covered by Devonian limestone and sandstone;
- 2. The Northway pipe is recessive; it forms a significant paleotopographic depression which is typical of kimberlite pipes;
- 3. New MVI magnetic inversion technology maps the kimberlite diatreme breccia in 3D space. The external boundary conditions for the 1.2 km anomaly are consistent with those on the RTP\_HD plan maps from the original survey flown in 2022 (see previous page).



★ Stars denote diamonds recovered in drill core

## PRESERVED KIMBERLITE CRATER









## **KPK rock**:

Kimberley-type pyroclastic kimberlite diatreme breccia with magmaclasts, xenocrysts and mantle xenoliths.

## TUFFISITIC KIMBERLITE BRECCIA





## **KPK rock:**

Kimberley-type
pyroclastic
kimberlite diatreme
breccia with
magmaclasts,
xenocrysts and
mantle xenoliths.

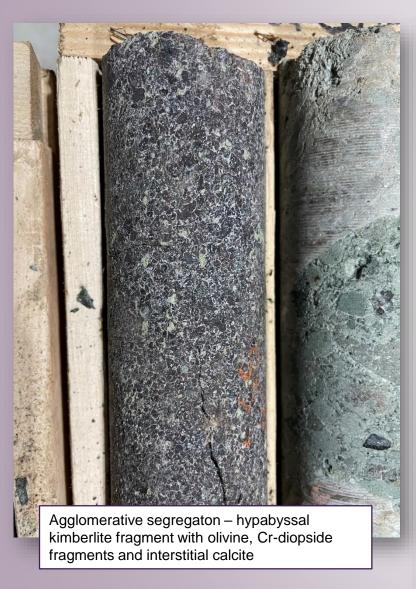
## A DYNAMIC SYSTEM



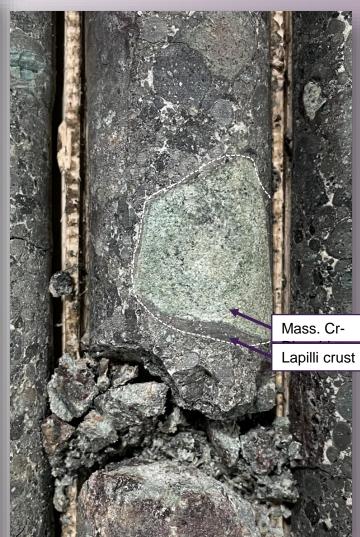
The Northway kimberlite breccia pipe is dynamic, with multiple phases of KPK rock and coherent kimberlite.

# CR-DIOPSIDE, LAPILLI CRUSTING OLIVINE, LHERZOLITE FRAGMENTS











## THE THIRD DRILL HOLE WAS COMPLETED AT NORTHWAY IN JUNE 2023, INTO THE HEART OF THE 1.2 KM MAGNETIC ANOMALY





## VR confirms the diamond potential for the kimberlite breccia pipe at Northway in Northern Ontario.

NR-23-18

September 12, 2023, Vancouver, B.C.: VR Resources Ltd. (TSX.V: VRR, FSE: 5VR; OTCQB: VRRCF), the "Company", or "VR", has received complete results from caustic fusion and mineralogy from hole NW22-001, the first hole into the kimberlite breccia pipe on its Northway property in Northern Ontario.

A micro-diamond fragment was recovered from the uppermost part of the 30 metres of kimberlitic material intersected in drill hole NW22-001, the first reconnaissance drill hole into the eastern part of the 1.2 km magnetic anomaly at Northway. Attributes of the microdiamond include:

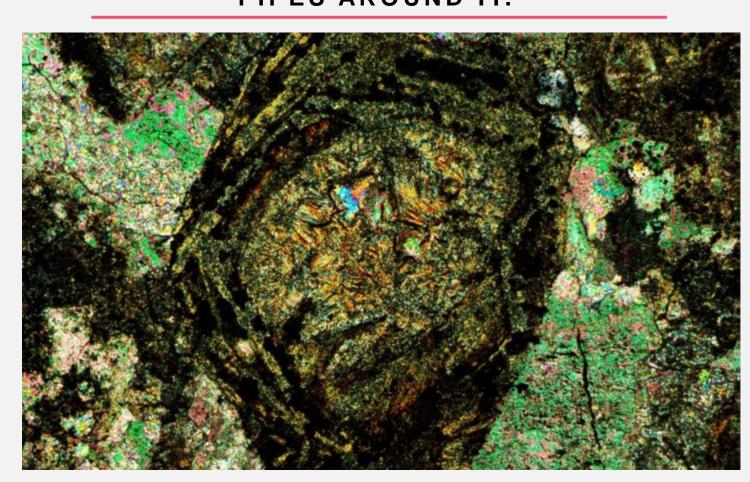
- clear, free of inclusions;
- transparent, colourless;
- a fragment of a larger diamond.

Additional heavy mineral analyses from this section of core reveals: 1 eclogitic pyrope-almandine garnet with Mg-ilmenite

- 6 chromite grains, of which 2 fall within the diamond stability
- field;



## **RESULTS FROM HOLE 001 IN** SEPTEMBER CONFIRM THE DIAMOND POTENTIAL FOR NORTHWAY, AND THE POTENTIAL FIELD OF KIMBERLITE PIPES AROUND IT.



## VR discovers diamonds in 2 separate intervals in Hole 003 at Northway,

600 metres from the discovery in Hole 001.

NR-23-19

September 28, 2023, Vancouver, B.C.: VR Resources Ltd. (TSX.V: VRR, FSE: 5VR; OTCQB: VRRCF), the "Company", or "VR", has received complete results from caustic fusion and mineralogy for all three drill holes completed into the kimberlite breccia pipe complex on its Northway property in Northern Ontario.

Microdiamonds were recovered in 2 separate intervals within drill hole NW23-003, the last of the three first-pass drill holes into the 1.2 km magnetic anomaly at Northway. The intersection spanned 350 metres of kimberlite, and 723 kg of sample material. There were no microdiamonds in NW23-002. Attributes for all four of the microdiamonds recovered in Hole 003 are the same as the microdiamond in Hole 001:

- transparent, colourless;

- clear, free of inclusions;

Microdiamonds from the 75 to 106 micron screen fractions occur in two intervals in the hole, at 335 m and from 488 – 510 m. They are hosted in pyroclastic kimberlitic breccia, KPK rock, characterized by: Concentrated chrome-diopside xenocrysts (core

Xenoliths of dunite, peridotite, and glimmerite (core Core nhotographs in Figure 4).



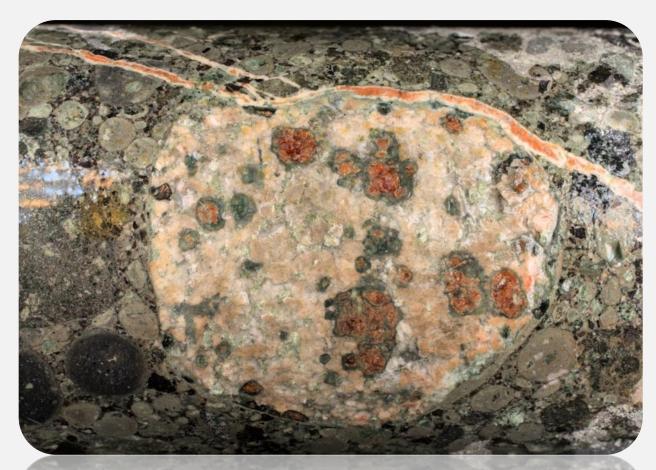
## RESULTS FROM HOLE 003 ENHANCE THE DIAMOND POTENTIAL FOR NORTHWAY, AND FOR THE POTENTIAL FIELD OF KIMBERLITE PIPES AROUND IT.



The Northway kimberlite breccia pipe complex is large, at 900 - 1,200 m across ...

- ... it is fully preserved from the crater facies at the very top ...
- ... it is fertile, with microdiamonds which span 600 m of the complex ...
- ... it has high Mg chromite with composition in the diamond stability field ...
- ... it may be part of a <u>new</u> kimberlite field of Devonian age in the Superior Craton.

Upside = "What if Northway is tapping into the same diamond-bearing crust that Victor did?"



Garnet-bearing eclogite xenolith with kelephyte rims in packed, accretionary pyroclastic kimberlite diatreme breccia, Hole NW22-001

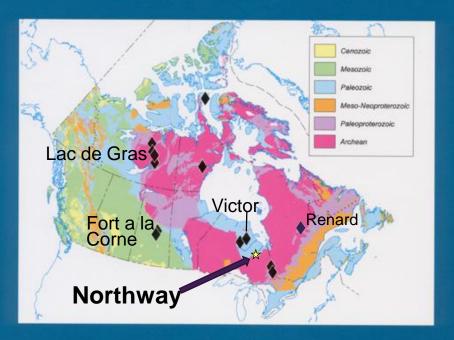


GEOLOGICAL SURVEY OF CANADA OPEN FILE 3228

#### SEARCHING FOR DIAMONDS IN CANADA

Edited by

A.N. LeCheminant, D.G. Richardson, R.N.W. DiLabio, and K.A. Richardson



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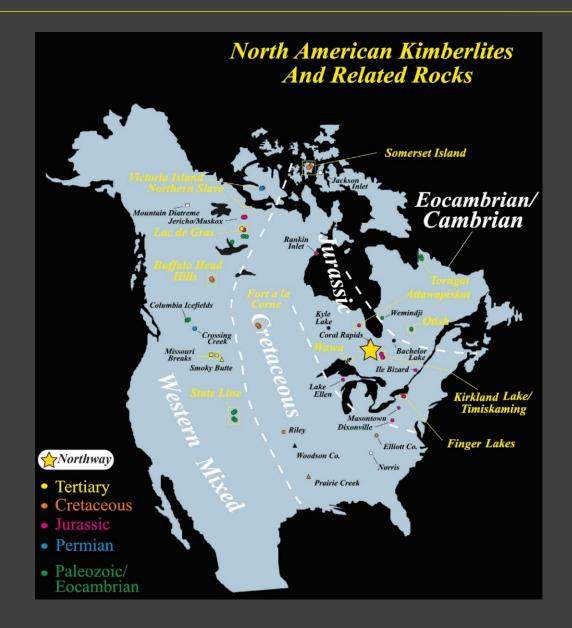


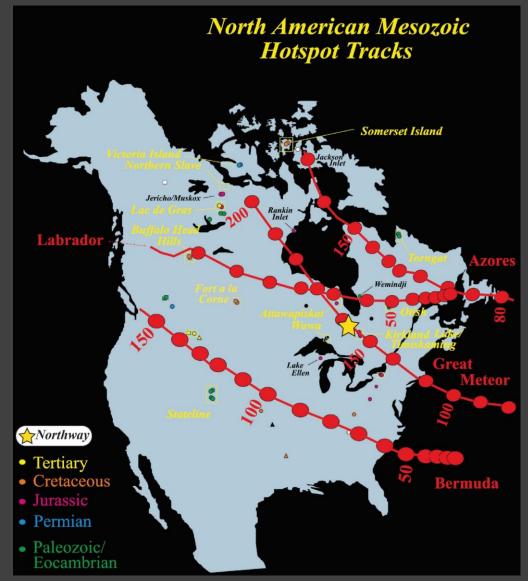


### THE NORTHWAY DISCOVERY ON THE CANADIAN KIMBERLITE LANDSCAPE

Northway is on the Great Meteor track, but is an older, previously unrecognized event.

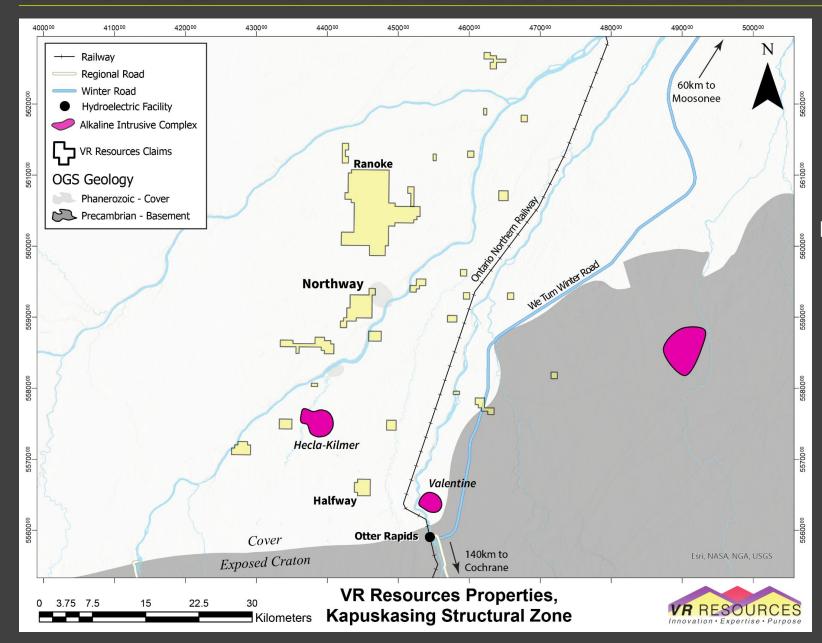






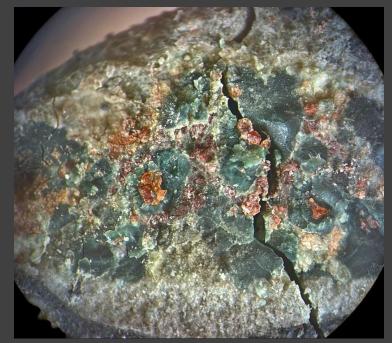
# INFRASTRUCTURE UNDERSCORES THE POTENTIAL FOR THE DIAMOND-BEARING KIMBERLITE DISCOVERY AT NORTHWAY





### Following the Discovery at Northway

VR staked the surrounding magnetic anomalies with 321 claims, comprising 18 additional properties spanning a 50 x 70 km area, all within reach of the active Ontario Northern Railroad, and covering a potential new field of mid-Paleozoic kimberlite pipes in the Superior craton that have not been previously explored or drilled.



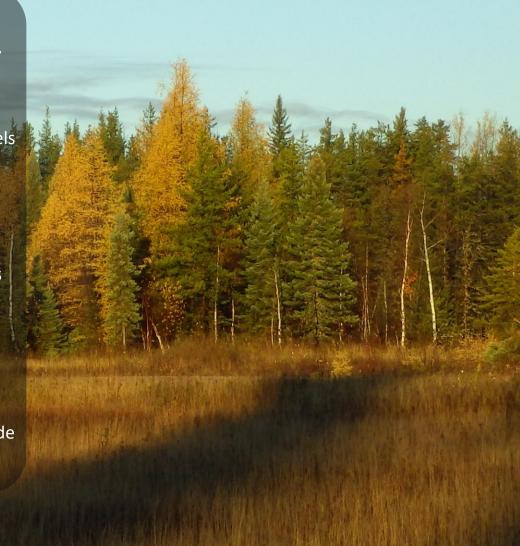
Garnet-opx eclogite xenolith with kelyphite rims in XPK kimberlite diatreme breccia facies in hole NW22-002( scale: 2cm).



# We have an opportunity to create value in a resource industry that is shifting towards the needs of the emerging Green Economy

#### INNOVATION • EXPERTISE • PURPOSE

- VR does greenfields exploration, the R&D at the forefront of the Green Economy, by searching for the raw materials known as Critical Metals required across the sustainable technologies sector.
- VR leverages its industry experience to utilize <u>both</u> current mineral deposit models with innovative exploration technologies to pursue groundbreaking discoveries.
- VR explores only in proven mineral districts and established mining jurisdictions where development is possible.
- VR has raised >\$20M since 2014, year-in and year-out to fund active, continuous exploration on the ground over the past 11 years, advancing & drill testing 8 different properties.
- The Company aligns annual financings to strict annual exploration budgets, and keeps its annual G&A burn tight.
- VR maintains full ownership of its properties in order to maximize potential upside for investors.



# OUR BACKGROUND OUR VISION

Dr. Gunning is extensively published and an expert in greenfields exploration, with 40 years of industry experience spanning research, exploration and mining, with a track record

of industry leadership and >\$800M in M&A wealth creation.

Dr. Gunning founded VR Resources in 2014 to explore for critical metals in the western United States, and northern Ontario. Discovery and value creation are sought via the application of modern mineral deposit modeling and new exploration technologies. Upon a successful IPO in 2017, Dr. Gunning has now successively raised more than **C\$20M** in venture capital to fund active and <u>continuous</u> exploration for ten years running.

Since 2014, VR has been at the R&D forefront of Critical Metals: using new technologies to pursue bluesky discoveries and create value in the Green Economy: the future!





# WHERE DO NEW IDEAS COME FROM?

VRR has accumulated a "file cabinet" full of potential new targets in both the western
US and throughout Canada throughout the last decade via industry relationships
property submittals. VRR receives property submittals weekly, if not daily, because:

- 1. VRR's management has a presence across the industry from more than 40 years of experience spanning research, exploration & mining.
- 2. VRR has a presence in Ontario because we have been active on the ground over the past seven years, actually "getting our hands dirty" in everything from prospecting to drilling.

## OUR BOARD HAS CREATED OVER \$1B IN VALUE THROUGH DISCOVERY AND M&A IN THE PAST TEN YEARS





#### MICHAEL GUNNING, PhD, PGeo

#### FOUNDER, CEO & EXECUTIVE CHAIRMAN

- Professional Geologist with 30+ years of experience in geology, exploration and mining.
- Global base metal mineral exploration, focused in the America's, with Teck Resources.
- Lead Mineral Deposit Research, and lead NGC initiative, Saskatchewan Geological Survey.
- CEO of Hathor Exploration Limited; successfully guided the company through a hostile takeover and \$654 million acquisition by Rio Tinto in 2012, a top ten M&A deal in the global mining that year.
- Executive Chairman of Alpha Minerals, which was acquired in 2013 for C\$190 million, following the discovery of the Patterson Lake deposit in Saskatchewan.
- Extensively published; prestigious Colin Spence AME BC industry award for discovery; past-President of Saskatchewan Geological Society & SEG Univ. Western Ontario; past Director of Field Hockey Canada.



#### Craig Lindsay, DIRECTOR

- 25+ years of experience in corporate finance, investment banking and business development in both NA and Asia.
- Founder, President and CEO of Otis Gold Corp. until its sale to Excellon Resources Inc. (TSX) in 2020.
- Founder, President and CEO of Magnum Uranium Corp. until its merger with Energy Fuels Inc. in July 2009.



#### Keith Inman, DIRECTOR

- Partner, Business Law group of Pushor Mitchell LLP.
- Practice focused on advising emerging and mid-market companies on corporate/commercial and securities law
- Focus on Corporate Finance and M&A transactions.



CORPORATE SECTRETARY
Cyndi Laval, Partner, Gowling WLG

CFO: BLAIN BAILEY
AUDIT: DAVIDSON & COMPANY

### **VR's CAPITAL STRUCTURE**



Current Structure on **133.4 M** Shares undiluted:

152.9 M Shares Fully Diluted on 10.2 M Warrants and 9.3 M Options

VIX IXESOU	NOLU I	- 1 D. (13A.	V: VRR), (FSE: 5VR), (OTC	BB. VKKCF)
ISSUED AND	OUTSTA	NDING COM	IMON SHARES:	133,443,467
OUTSTANDIN	G WARR	ANTS:		10,150,086
3,447,863	@	\$0.25 \$0.07	expire June 7, 2026	
2,222,223 480,000 4,000,000	@ @ @	\$0.07 \$0.05 \$0.08	expire May 29, 2026 expire June 27 2026 expire June 27 2026	
OUTSTANDIN		,	·	9,290,000
1,475,000	@	\$0.19	expire May 11, 2028	, ,
1,150,000	@	\$0.30	expire March 21, 2027	
825,000	@	\$0.30	expire April 13, 2028	
50,000	@	\$0.30	expire May 16, 2027	
200,000	@	\$0.35	expire July 6, 2028	
575,000	@	\$0.28	expire August 14, 2029	
865,000	@	\$0.45	expire July 14, 2026	
1,025,000	@	\$0.16	expire September 23, 2027	
1,425,000	@	\$0.22	expire April 2, 2029	
1,700,000	@	\$0.05	expire Dec 3, 2029	
FULLY DILUT	ED:			152,883,553

Primary Exchange: TSX.V: VRR Secondary Exchange: Frankfurt - 5VR OTCQB - VRRCF



#### Disclaimer

This Presentation has been prepared by VR Resources Limited ("VR") using its best efforts to realistically and factually present the information contained. However, subjective opinion, dependence upon factors outside VR's control and outside information sources unavoidably dictate that VR cannot warrant the information contained to be exhaustive, complete or sufficient. In addition, many factors can affect the Presentation which could significantly alter the results intended by VR, rendering the Presentation unattainable or substantially altered. Therefore, interested Users should conduct their own assessment and consult with their own professional advisors prior to making any investment decisions.

This Presentation does not constitute a prospectus or public offering for financing, and no guarantees are made or implied with regard to the success of VR's proposed ventures. Interested investors are advised to seek advice from their investment advisors.

#### **Technical Information**

Technical information disclosed by the Company has been prepared in accordance with the Canadian regulatory requirements set out in National Instrument 43-101. Technical information contained in this document, and on the Company's website, has been reviewed on behalf of the Company by the President & CEO, Dr. Michael Gunning, PhD, P.Geo., a non-independent Qualified Person.

This Presentation may contain statements and/or information with respect to mineral properties and/or deposits which are adjacent to, and/or potentially similar to the Company's mineral properties, but which the Company has no interest in nor rights to explore. Readers are cautioned that mineral deposits on adjacent or similar properties are not necessarily indicative of mineral deposits on the Company's properties. The historic data presented on the New Boston project is a geological model only. The Company does not treat this model as a current mineral resource estimate. A modern drill program with complete geochemical data is required for a compliant mineral resource estimate.

VR submits soil samples, rocks samples and drill core samples from its Nevada properties to ALS Global Ltd. ("ALS") for geochemical analyses. ALS has sample preparation facilities in Reno, Nevada, with final geochemical analytical work is done at the ALS laboratory located in North Vancouver, BC. Analytical techniques include lithium borate fusion, ICP-MS and ICP-AES analyses for base metals, trace elements and full-suite REE analysis, and gold determination by atomic absorption on fire assay. Analytical results are subject to industry-standard compliant QAQC sample procedures, such as the systematic insertion of both sample duplicates and geochemical standards, done both externally on the project site by the Company, and internally at the laboratory by ALS, as prescribed by ALS.

#### **Caution Regarding Forward-Looking Statements**

This Presentation contains "forward looking information" and "forward looking statements" (together, "forward looking statements") within the meaning of securities legislation in Canada and the United States Private Securities Litigation Reform Act of 1995, as amended. These forward looking statements relate to analyses and other information that are based on forecasts of future results, estimates of amounts not yet determinable and assumptions of management.

Forward looking statements include, but are not limited to, statements about the future. Often, but not always, forward looking statements can be identified by the use of words such as "plans", "expects" or "does not expect", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates" or "believes" or variations of such words and phrases or statements that certain actions, events or results "may", "could", "would", "might" or "will" be taken, occur or be achieved. Although the Company presents assumptions herein with regard to certain forward looking statements, management believes that the assumptions made, and the expectations represented by such statements are reasonable; regardless, there can be no assurance that a forward looking statement referenced herein will prove to be accurate.

Forward looking statements by their nature are based on assumptions and involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or achievements, or industry results, to be materially different from any future results, performance or achievements expressed or implied by such forward looking statements. Such risks, uncertainties and other factors include, among other things, the following: the ability of the Company to successfully raise money to fund its business and/or exploration programs; the ability of the Company to successfully operate its mineral exploration programs; the speculative nature of resource exploration; the effect of foreign exchange regulations on exploration programs in Nevada; the absence of mineral reserves on the Company's properties; uninsured risks; uncertainty of actual capital costs and exploration program costs; changes in commodity prices, including copper and gold, but also other metals which in the past have fluctuated widely and which could affect the financial condition of the Company; currency exchange rate fluctuations; risks related to the Company's primary properties being located in Nevada, including political, economic, and regulatory instability; uncertainty in the Company's ability to obtain and maintain certain permits necessary for current and anticipated exploration operations; the Company being subject to environmental laws and regulations which may increase the costs of doing business and/or restrict planned exploration programs.

Although VR has attempted to identify factors that would cause actual actions, events or results to differ materially from those disclosed in the forward-looking statements, there may be other factors that cause actions, events or results not to be as anticipated, estimated or intended. Also, many of the factors are beyond the control of the Company. Accordingly, investors should not place undue reliance on forward looking statements. The Company undertakes no obligation to reissue or update any forward-looking statements as a result of new information or events after the date hereof except as may be required by law. All forward-looking statements herein are qualified by this cautionary statement.