

# Jack Lifton, Byron King and Search Minerals' Greg Andrews on the theory that endless cash will somehow make more battery materials appear

written by InvestorNews | February 23, 2022

In this episode of **Critical Minerals Corner**, Tracy Weslosky and InvestorIntel Editor-in-Chief Jack Lifton are joined by Geologist and Newsletter Writer Byron King and Greg Andrews, President, CEO, and Director of [Search Minerals Inc.](#) (TSXV: SMY | OTCQB: SHCMF) to discuss Modern Mineral Resource Theory (MMRT). Coined by Jack Lifton, MMRT evolved out of the Modern Monetary Theory (MRT) which he discussed in his recent InvestorIntel column titled – [Squeezing the juice out of the idea that endless cash will somehow make more battery materials appear](#).

In the video, the panelists discussed the electric vehicle revolution, the supply chain challenges for rare earths and how Search Minerals is at the “sweet spot” of this electric vehicle revolution. Jack commented, “Search Minerals is expanding the global supply of critical metals through its new, innovative, process technology. This is the only way that critical metals supply can be reliably increased.”

To access the complete episode of this Critical Minerals Corner discussion, [click here](#).

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# Greg Andrews on Search Minerals “Sprint to Production” with its rare earths deposits in Labrador

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In a recent InvestorIntel interview, Tracy Weslosky spoke with Greg Andrews, President, CEO, and Director of [Search Minerals Inc.](#) (TSXV: SMY | OTCQB: SHCMF) about the commencement [magnetic separation](#) of bulk samples of Deep Fox and Foxtrot deposits at SGS Canada as Search Minerals “Sprint to Production” with its rare earths deposits in Labrador.

In this InvestorIntel interview, which may also be viewed on YouTube ([click here to subscribe to the InvestorIntel Channel](#)), Greg Andrews highlighted the rising investor’s interest in the rare earths sector and the dearth of operating rare earth deposits outside of China. With the prices for rare earths on the rise, he went on to explain why Search Minerals’ updated 2022 PEA is expected to significantly improve the economics of its rare earths’ deposits. Providing an update on Search Minerals’ recent successful [financing](#), Greg went on to explain why Search Minerals is “one of the most advanced rare earths companies in North America.”

To watch the full interview, [click here](#).

## About Search Minerals Inc.

Led by a proven management team and board of directors, Search

is focused on finding and developing Critical Rare Earths Elements (CREE), Zirconium (Zr) and Hafnium (Hf) resources within the emerging Port Hope Simpson – St. Lewis CREE District of South East Labrador. The Company controls a belt 63 km long and 2 km wide and is road accessible, on tidewater, and located within 3 local communities. Search has completed a preliminary economic assessment report for **FOXTROT**, and a resource estimate for **DEEP FOX**. Search is also working on three exploration prospects along the belt which include: **FOX MEADOW**, **SILVER FOX** and **AWESOME FOX**.

Search has continued to optimize our patented Direct Extraction Process technology with the support from the Department of Industry, Energy and Technology, Government of Newfoundland and Labrador, and from the Atlantic Canada Opportunity Agency. We have completed two pilot plant operations and produced highly purified mixed rare earth carbonate concentrate and mixed REO concentrate for separation and refining. We also recognize the continued support by the Government of Newfoundland and Labrador for its Junior Exploration Program.

To learn more about Search Minerals Inc., [click here](#)

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opinions and assumptions of the management of the Company as of the date made. They are inherently susceptible to uncertainty and other factors that could cause actual events/results to differ materially from these forward-looking statements. Additional risks and uncertainties, including those that the Company does not know about now or that it currently deems immaterial, may also adversely affect the Company's business or any investment therein.

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If you have any questions surrounding the content of this interview, please contact us at +1 416 792 8228 and/or email us direct at [info@investorintel.com](mailto:info@investorintel.com).

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## **Greg Andrews on Search Minerals 'sprint' towards rare**

# earth production

written by InvestorNews | February 23, 2022

In a recent InvestorIntel interview, Tracy Weslosky spoke with Greg Andrews, President, CEO, and Director of [Search Minerals Inc.](#) (TSXV: SMY | OTCQB: SHCMF) about Search Minerals' 'sprint' towards production as they work towards strengthening the North American rare earths supply chain.

In this InvestorIntel interview, which may also be viewed on YouTube ([click here to subscribe to the InvestorIntel Channel](#)), Greg Andrews said that Search Minerals recently signed an MoU for an [offtake agreement](#) with USA Rare Earth, thus ensuring that it has sales and revenues when production begins. He went on to say that Search Minerals is progressing towards announcing an updated PEA and explained why the updated PEA is expected to be robust and economic at the current pricing of rare earths. With a loyal shareholder base and strong federal, provincial, local government and indigenous support, Greg told InvestorIntel that Search Minerals is progressing well towards its goal of going further down the rare earths supply chain to produce magnet metals and alloys.

To watch the full interview, [click here](#).

## About Search Minerals Inc.

Led by a proven management team and board of directors, Search Minerals is focused on finding and developing deposits of the Critical Rare Earths Elements (CREE), and of Zirconium (Zr) and Hafnium (Hf) resources, within the emerging Port Hope Simpson – St. Lewis CREE District of South East Labrador. The Company controls a belt 63 km long and 2 km wide that is road accessible, on tidewater, and has access to 3 local communities. Search has completed a preliminary economic assessment report

for its **FOXTROT site**, and a resource estimate for its **DEEP FOX site**. Search is also working on three exploration prospects along its part of the St. Lewis District, which are named, and include: **FOX MEADOW**, **SILVER FOX** and **AWESOME FOX**.

Greg Andrews went on to emphasize that Search has continued to optimize its patented Direct Extraction Process technology with generous support from the Department of Tourism, Culture, Industry and Innovation, Government of Newfoundland and Labrador ("**InnovateNL**"), and from the Atlantic Canada Opportunity Agency ("**ACOA**"). He said that Search has completed two pilot plant operations and produced a highly purified mixed rare earth carbonate concentrate and a mixed REO concentrate for use in testing individual rare earth separation and refining.

To know more about Search Minerals Inc., [click here](#)

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## **Greg Andrews with Jack Lifton on Advancing Search Minerals Towards a Total Domestic Rare Earth Supply Chain**

written by InvestorNews | February 23, 2022

In a recent InvestorIntel interview, Jack Lifton spoke with Greg Andrews, President, CEO, and Director of [Search Minerals Inc.](https://www.searchminerals.com) (TSXV: SMY | OTCQB: SHCMF) about how its recent MoU for an [offtake agreement](#) with USA Rare Earth puts Search Minerals in the top tier of North American rare earth ventures.

In this InvestorIntel interview, which may also be viewed on YouTube ([click here to subscribe to the InvestorIntel Channel](#)), Jack started by complementing Search as “Canada’s first rare earths company to be involved in a domestic North American total rare earths enabled product supply chain.” Greg Andrews then said that Search already has rare earth resources with excellent infrastructure, and has a patented selective extraction process. Greg also explained that Search is progressing towards its end goal of entering the high value add section of the rare earths supply chain, the production of metals and alloys.

To watch the full interview, [click here](#).

### **About Search Minerals Inc.**

Led by a proven management team and board of directors, Search Minerals is focused on finding and developing deposits of the Critical Rare Earths Elements (CREE), and of Zirconium (Zr) and Hafnium (Hf) resources within the emerging Port Hope Simpson – St. Lewis CREE District of South East Labrador. The Company controls a belt 63 km long and 2 km wide and is road accessible, on tidewater, and located with access to 3 local communities. Search has completed a preliminary economic assessment report for its **FOXTROT site**, and a resource estimate for its **DEEP FOX site**. Search is also working on three exploration prospects along its part of the St. Lewis District, which are named, and include: **FOX MEADOW**, **SILVER FOX** and **AWESOME FOX**.

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## **Jack Lifton interviews Search Minerals' Dr. David Dreisinger who says "the time for rare earths is now"**

written by InvestorNews | February 23, 2022

In a recent InvestorIntel interview, Jack Lifton spoke with Dr. David Dreisinger, Director and Vice President Metallurgy at [Search Minerals Inc.](#) (TSXV: SMY) about Search's results around [magnetic separation testing](#) for producing rare earth concentrates from in the Port Hope Simpson Critical Materials District in SE Labrador.

In this InvestorIntel interview, which may also be viewed on YouTube ([click here to subscribe to the InvestorIntel Channel](#)), Dr. Dreisinger went on to say that Search Minerals' Silver Fox rare earths deposit hosts a very high occurrence of zirconium and hafnium. With a plan to extract these critical materials as co-products with the rare earths, Dr. Dreisinger describes this as a "big breakthrough" for reducing overall cost in the extraction processes. He also discusses how the world is moving towards a non-Chinese supply chain of many critical materials and that "the time is now for rare earths".

To watch the full interview, [click here](#)

### **About Search Minerals Inc.**

Led by a proven management team and board of directors, Search is focused on finding and developing Critical Rare Earths Elements (CREE), Zirconium (Zr) and Hafnium (Hf) resources within the emerging Port Hope Simpson – St. Lewis CREE District of South East Labrador. The Company controls a belt 63 km long and 2 km wide and is road accessible, on tidewater, and located within 3 local communities. Search has completed a preliminary economic assessment report for **FOXTROT**, and a resource estimate for **DEEP FOX**. Search is also working on three exploration prospects along the belt which include: **FOX MEADOW**, **SILVER FOX** and **AWESOME FOX**.

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## **Search Minerals are setting**

# themselves apart in the critical materials pack

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As industrial nations continue to shift towards a greener future and explosive demand for EVs and the associated demand for magnetic materials shows no signs of abating it's time to take another look at [Search Minerals Inc.](#) (TSXV: SMY). Search holds a 100% interest in a rare earths deposit within the Port Hope Simpson – St. Lewis District of South East Labrador that is road accessible and on tidewater, which is a leg up on a lot of their North American counterparts. The company already has a favourable Preliminary Economic Assessment (PEA) for their FOXTROT deposit, a resource estimate for Deep Fox and a third discovery has been identified at Fox Meadow. There are also more than 20 additional exploration prospects identified along the 70 km long and 8 km wide region controlled by Search including Silver Fox and Awesome Fox.

The PEA highlights a 14 year mine lifespan on Foxtrot (8 years open pit, 6 years underground) that would recover approximately 7.4 million tonnes of Indicated and 2.0 million tonnes of Inferred Resources. Mineralized zones typically show high concentrations of many of the magnetic materials in demand (Nd, Pr), and some of the most revered critical materials including but not limited to: Dysprosium (Dy) Neodymium (Nd), Praseodymium (Pr), Terbium (Tb) and Yttrium (Y). However, the newest prospect at Silver Fox hosts significantly higher grades of Zirconium (Zr) and Hafnium (Hf).

But this is only the start of the story. What makes Search different from most other critical materials' explorers is the development of its breakthrough Patented Direct Extraction

Metallurgical Process. With the mining of many commodities, it's not as simple as taking the rock from the ground, crushing it up and sending it to market. Think back to [Imperial Metals Mount Polly tailings pond breach in 2014](#). Mining rare earths are no exception and can have their own environmental nightmare lurking if not addressed properly, just ask China. Fortunately, Search has found an elegant answer for an environmentally conscientious solution for managing waste residue that also significantly reduces CAPEX and operational costs. Without getting into the details (you can read more about it [here](#)), this is a big deal.

To further the development of this proprietary process, Search [signed an MOU](#) with the Saskatchewan Research Council (SRC) on Oct 29, 2020. The MOU outlines a collaboration with SRC as they build their Rare Earths Processing Facility in Saskatchewan, Canada. It is anticipated that using the SRC conventional solvent extraction process will enable Search to validate the ability to produce the individual rare earth oxides necessary to enter the rare earths supply chain.

Another intriguing development in progressing this patented process is the Nov 10, 2020 [entry into a Technical Collaboration Framework Agreement](#) with USA Rare Earth, LLC. This will involve technical assistance through joint technical meetings, sharing of data, site visits and reviews and collaboration around the engineering and development of Critical Material projects. Subsequent to this agreement on March 11, 2021 [USA Rare Earth participated in a Search Minerals private placement](#) with a strategic investment of C\$630,000.

Search Minerals is a company that has identified an optimally located, economic resource in a commodity that is likely to continue to see increasing demand, has exploration upside and a proprietary process to get its product cost-effectively to market in an environmentally conscious way. This has obviously

attracted the interest of others in the industry. That's how you set yourself apart from the rest of the pack.

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## **MOU with the Saskatchewan Research Council signals another milestone for Search Minerals on their quest to produce rare earths in NA**

written by InvestorNews | February 23, 2022

A likely Biden victory in the USA is [positive for all the rare earths miners](#). This is because one of Biden's key policies is a massive [\\$2 trillion green infrastructure and jobs plan](#) over his first term in office that aims to have a US carbon pollution-free power sector [by 2035](#). This would be a huge tailwind for the US renewable energy sector (solar and wind) as well as supportive to the US electric vehicle (EV) industry. Any North American rare earths suppliers who can potentially supply the USA and/or Canada with rare earths would be likely to benefit as North America embraces the green revolution.

One rare earth miner worth considering is [Search Minerals Inc.](#) (TSXV: SMY) ("Search"). Search is focused on finding and developing critical rare earth element mineral assets in Labrador, Canada.

In some very exciting [recent news](#) Search has signed a Memorandum

of Understanding (MOU) with the Saskatchewan Research Council (SRC). The MOU outlines a collaboration with SRC as they build their Rare Earth Processing Facility in Saskatchewan, Canada.

Search Minerals President and CEO, Greg Andrews, [commented](#): “We anticipate using the (SRC) conventional solvent extraction process to enable Search to validate the ability to produce the individual rare earth oxides necessary to enter the rare earth supply chain.

Recent announcements regarding building electric cars in Canada and other government led initiatives for clean and green technology provides the framework for industry access to a secure rare earth supply chain in Canada. We believe Search is well positioned to capitalize on these opportunities.”

Search controls properties in three areas of Labrador, Canada. These are:

- The Port Hope Simpson (PHS) Critical Rare Earth Element District in SE Labrador
- The Henley Harbour Area in Southern Labrador
- The Red Wine Complex located in Central Labrador

**Search Minerals has nearby infrastructure in place at St. Lewis, Labrador, Canada**



## Deep Fox and Foxtrot Project

### Ideal Location:

Distance from tidewater port:

Deep Fox Deposit- 2.7km

Foxtrot Deposit – 10km

### Infrastructure in Place:

1,100 km paved Trans-Labrador highway travels through/near main deposits and local communities each have a small airstrip

TSX-V: SMY

OTCQB: SHCMF

- St. Lewis, Port Hope Simpson, and Mary's Harbour are supportive. Local workforce awaiting training/employment opportunities
- Exploration, mining, and primary processing to produce a REE mineral concentrate in Labrador, without the use of chemicals



### [Source](#)

Within the Port Hope Simpson District Search's main discoveries are the [Foxtrot Resource](#), [Deep Fox](#), [Fox Meadow](#), [Silver Fox](#), and [Awesome Fox deposits](#) which contain rare earths including dysprosium (Dy), neodymium (Nd), praseodymium (Pr), terbium (Tb), yttrium (Y), zirconium (Zr), and hafnium (Hf).

The district covers a 63 km long and 2 km wide belt. At Foxtrot the total Indicated Resource is [7.392 million tonnes](#) with grades of neodymium oxide (1,732ppm), neodymium (1,485ppm), praseodymium (397ppm), and dysprosium (191ppm). The 14 year Life of Mine (LOM) Foxtrot Project offers an IRR of 16.7% on an after tax Net Present Value (NPV) 10% of [\\$48M](#), with a CapEx of only \$152M. The NPV quoted above is only for the Foxtrot Project, so once the other projects are combined into a bigger project the NPV should improve.

At Fox Meadow, [2020 channel assay results](#) outlined two mineralized zones on the surface: The NW zone is up to 175m wide and the SE zone is up to 116m wide. Combined, the mineralization

is at least 790m long and contains similar grades of the REE magnet materials (Nd, Pr, Tb and Dy) as Foxtrot and Deep Fox. This is a good result as it means Search is continuing to find more REE mineralization to potentially further grow their resource.

At Silver Fox, Search has recently [successfully expanded](#) the Silver Fox high grade zirconium-hafnium (REE) mineralized zone. In the news release Search [commented](#): “This surface expression is significantly longer, but thinner, than the surface expressions of the nearby and related Foxtrot and Deep Fox Resources. The mineralization is similarly hosted by peralkaline volcanic rocks and contains lower grades of the REE magnet materials (Nd, Pr, Tb and Dy) but significantly higher grades of Zr and Hf.”

At Awesome Fox, [the 2020 channel program](#) (7 new channels) along with previous channels has outlined a REE mineralized zone ranging from about 4-43m thick and 850m long.

## **Closing remarks**

Earlier in 2020, rare earths expert Jack Lifton [stated](#) about Search Minerals: “I think it may well be Canada’s first commercial rare earth producer.” Given Search has completed a Resource estimate (Foxtrot, Deep Fox), a PEA (Foxtrot), has successfully produced 99% purity REO concentrate from their pilot plant and patented process, and now has a potential larger scale processing option with SRC; this all combines to suggest that Search Minerals is well on the way towards commercial production. Next steps would involve a BFS and potentially some trial production with SRC once their facility is built.

Search Mineral’s current market cap is only C\$10.5M suggesting there may be plenty of upside potential ahead, especially if they continue to successfully advance towards production.