Development of a World Class Critical Rare Earth Element District











GCFF – Vancouver January 2020

Cautionary Statement

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The following presentation may include certain "forward-looking statements" within the meaning of the United States Private Litigation Reform Act of 1995 and applicable Canadian Securities Laws. All statements other than statements of historical fact, included in the presentation, including without limitation, statements regarding potential mineralization and reserves, exploration results, and future plans and objectives of Search Minerals, are forward-looking statements. Words such as "expect", "anticipate", "estimate", "may", "will", "should", "intend", "believe" and other similar expressions are forward-looking statements. Forward-looking statements are not guarantees of future results and conditions but rather reflect our current views with respect to future events and are subject to risks, uncertainties, assumption and other factors, and actual results and future events could differ materially from those anticipated in such statements. There can be no assurance that such forward-looking statements will prove to be accurate. We base our forward-looking statements on information currently available to us and we do not assume any obligation to update them, except as required by law.

An additional Cautionary Note to Investors: In the event that we use certain terms in this presentation such as "resource", "measured resource", "indicated resource" and "inferred resource," US investors are cautioned that, while such terms are recognized and required by Canadian Securities Laws, the United States Securities and Exchange Commission does not recognize them. Under U.S. standards, mineralization may not be classified as a "reserve" unless the determination has been made that the mineralization could be economically and legally produced or extracted at the time the reserve determination has been made. U.S. investors should not assume that all or any part of measured or indicated resources will ever be converted into reserves. In addition, "inferred resources" have a greater amount of uncertainly as to their existence and as to whether they can be mined legally or economically. Accordingly, information concerning descriptions of mineralization in the presentation may not be comparable to information made public by companies that are subject to the SEC's Industry Guide 7.

All of the scientific and technical information contained herein has been reviewed and/or prepared by either Dr. Randy Miller, P.Geo. or Dr. David Dreisinger, both being a "Qualified Person" within the meaning of National Instrument 43-101-Standards of Disclosure for Minerals Projects. For further details of the Company's procedures and policies for data verification, the reader is referred to the Company's news releases and other material information available on the Company's website at www.searchminerals.ca or on SEDAR at www.sedar.com

- ➤ Focused on developing and continued exploration within the emerging Critical Rare Earth Element (CREE) District of SE Labrador.
- ➤ Primary objective: Develop multigenerational REE mining operation based on the Foxtrot and Deep Fox resources. To seek competitive low-cost production of REE in SE Labrador.
- ➤ In 2017, pilot plant testing produced a high purity mixed rare earth oxide (REO) concentrate. Completed pilot optimization in November 2019.
- October 2017, InCoR Holdings make strategic investment into Search and appoints 2 members to the Board.
- Search has strong working relationships with government partners at all levels including Atlantic Canada Opportunities Agency, InnovateNL, Department of Natural Resources, NunatukaVut Community Council



Why Invest in Search Minerals?

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Lowest CAPEX project in North America - \$ 152M (\$Cdn), 1000 tonnes per day scalable processing technology to align production rate with CAPEX



Patented Processing Technology – produced 99% high purity mixed REO concentrate during \$1.9M pilot plant operation and optimization



100% owned Foxtrot and Deep Fox Resources: Fox Meadow and Silver Fox Advanced Prospects; Multigenerational opportunity



Strong support from Federal/Provincial governments, NunatuKavut Community Council (Indigenous) and Local Communities



Macro Developments – Defense Production Act Title III – Create North American rare earth supply chain, Possible future supply constraints



Led by a proven management and Board of Directors. Insider ownership greater than 38%



Month	Catalyst
November	Commence Demonstration Plant cost/funding options
December	Optimization of Pilot Plant Completed – Final Report
February	Assays from 2019 exploration work – Fox Meadow and Silver Fox
May	Begin 2020 REE exploration program in District

Macro developments

- Ongoing discussion with stakeholders to develop North American Rare Earth supply chain
- Upward trending rare earth market and developments



Rare Earth Industry – in the news

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Canada and U.S. Finalize Joint Action Plan on Critical Minerals

Collaboration

From: Natural Resources Canada

News release

January 9, 2020

Ontario

Ottawa,
Natural Resources Canada



Search Industrial Policy

HOME

ABOUT

PROGRAMS V

RESOURCES

NEWS

HOME > NEWS > NEWS DISPLAY

Defense Production Act Title III Presidential Determinations to Strengthen the Domestic Industrial Base and Supply Chain for Rare Earth Elements



Foxtrot Material at Different Processing Stages

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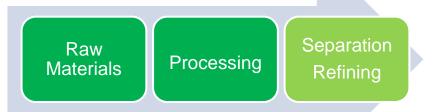


- Vial #1 Finely crushed material at start of metallurgical process
- Vial #2 Orange stained "dry stackable" residue containing an iron precipitate
- Vial #3 35% mixed rare earth carbonate precipitate after uranium ion exchange
- Vial #4 60% zinc sulfide precipitate after removal of thorium, iron, aluminum and silica
- Vial #5 High purity rare earth oxalate
- Vial #6 Reddish final rare earth oxide made by heating the high purity oxalate



Search Minerals – in the supply chain

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Engineered Rare Earth Materials

Magnet Producers

OEM

SEARCH MINERALS

- District Scale Multi Generational Raw material supply (70km x 10km)
 - 1 Resource, 1 Resource pending, many projects
- Patented Proprietary Processing
 - Low capital / operating costs
 - Produced 99% high purity mixed REO Concentrate
- Separation/Refining
 - Sample delivered and tested at existing refineries and new technology process

SALES CHANNEL



Exploring for REE in Labrador since 2009

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Community of St. Lewis 12 km from Foxtrot and 2 km from Deep Fox





About REEs: Industry Drivers

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Green Energy

- Hybrid and Electric Vehicles
- Wind Energy
- **Energy Efficient Lighting**



Military and Defense

- Communications
- Aeronautical engineering and Jet Engines
- Guidance, Lasers, Sonar, Optics, and Electronic Counter Measures



Modern Technologies

- Cell Phones and Digital Cameras
- LCD and Plasma Televisions
- MRI machines, X-Ray, and PET Medical imaging



REEs: Automakers committed to EV Future SMY: TSX-V

- **Volkswagen** US\$84 billion: goal of bringing 300 EV models to market by 2030
- Ford investing \$4.5 billion over 5 years: on 13 new models for 2023
- **GM** to phase out ICE vehicles; 20 EV models by 2023
- **Volvo:** all new cars produced after 2019 will be electric or hybrid
- **BMW** to mass produce EVs by 2020: 12 different models available by 2025
- **Mercedes-Benz**: electrifying its entire lineup by 2022
- Canada's Magna and Linamar: investments in EV supply chains



Location and existing infrastructure

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Community of St. Lewis

- Diesel power plant (expandable)
- Ice-free deep sea port: reagents & other supplies
- 12km from Foxtrot
- 2km from Deep Fox
- Small aircraft airstrip
- Fox Harbour House: housing, office, core shack, workshop Trans-Labrador Highway
- All season paved highway transport REE Concentrate







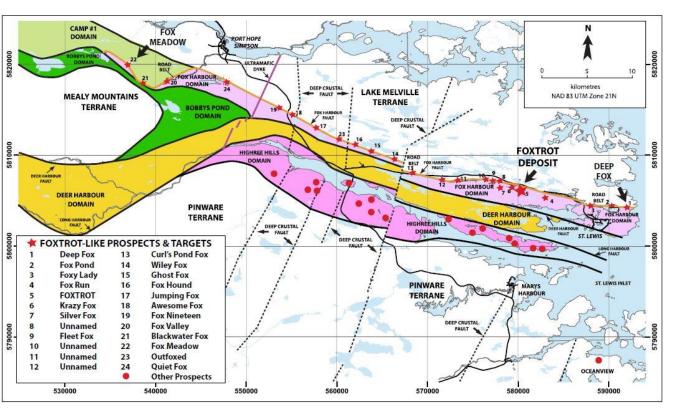




Our Assets - District Scale Opportunity

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Search controls CREE District on Labrador Sea



Key Points

Over 24 prospects.

Four major discoveries

- Foxtrot Deposit
- Deep Fox Deposit
- Fox Meadow
- Silver Fox

Excellent geological and geophysical control.

April 2016 PEA is based on the Foxtrot deposit only.

Foxtrot Preliminary Economic Assessment (2016)

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FOXTROT PEA FINANCIALS (\$CDN)				
Plant Capacity	1,000 tpd production rate / 4.9 Mt over 14 years			
Pre-Tax NPV _{10%} and IRR	\$93 million and 22%			
After-Tax NPV _{10%} and IRR	\$48 million and 16.7%			
Payback Period	Pre-tax 3.5 years, After- tax 4.4 years			
Gross Revenue LOM	\$1.7 billion			
CAPEX	\$152 million for startup with a \$33M contingency			

Rare Earth Element Production Rates

Data from PEA - April 2016 - Deep Fox Production not included - 1,000 t/d production rate - produce 3211 T of Mixed Rare Earth Oxide Per Year

	Magnet Making Rare Earths				
	Pr	Nd	Tb	Dy	
Distribution (% of Total REE)	4.4%	15.9%	0.3%	1.9%	
Yearly Production (t)	142	511	10	60	

	Others Rare Earth Elements										
	Y	La	Ce	Sm	Eu	Gd	Но	Er	Tm	Yb	Lu
Distribution (% of Total REE)	11.6%	18.7%	39.8%	2.8%	0.1%	2.1%	0.3%	0.9%	0.3%	0.7%	0.1%
Yearly Production (t)	373	602	1,277	90	4	68	11	30	9	22	3

Cautionary Note: The preliminary economic assessment is preliminary in nature and includes inferred mineral resources that are considered too speculative geologically to have the economic considerations applied to them to enable them to be categorized as mineral reserves and there is no certainty that the preliminary economic assessment will be realized. Mineral resources that are not mineral reserves do not have a demonstrated economic viability.

14 | Corporate Presentation | SMY: TSX-V | searchminerals.ca | GCFF January 2020

SEARCH MINERALS

Value Drivers SMY: TSX-V

Description	How can economics improve
Grade, Recovery and Price parameters	 INCREASE REVENUE ➢ Increase resource – extend Life of Mine ➢ Increase grade through discovery ➢ Increase recovery through optimized processing
Capital and operating costs	 DECREASE COSTS ➤ Improved efficiencies in processing ➤ Lower REE separation costs



Direct Extraction Metallurgy Patent Pending







A breakthrough in SIMPLICITY, LOW COST AND EFFICIENCY!

Processing – from Concept to Reality

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Funding Partners



Atlantic Canada Opportunities Agency

Agence de promotion économique du Canada atlantique



Tourism, Culture, Industry and Innovation

Bench Scale 2014-2015 \$300,000

Pilot Plant **Optimization** 2018-2019 \$800,000







Pilot Plant 2016-2017 \$1,900,000

Increased Recoveries from Bench Scale to Optimized Pilot Plant



Business Strategy – Timeline to Production SMY: TSX-V

Description	2019	2020	2021	2022
RESOURCE	 ✓ Resource for Deep Fox ✓ Advance prospects in District 	 Advance prospects in District Deep Fox - Phase 3 drill program Update PEA for the District 	Bankable feasibility Study ➤ Infill drilling – Foxtrot ➤ Infill drilling – Deep Fox ➤ Permitting	 Measured Resources for Foxtrot and Deep Fox Development permits approved
ENVIRONMENTAL AND PERMITTING	Continue baseline studies	 Advance Environmental Impact Statement 	 Continued stakeholder engagement Initiate Permitting process 	Continued stakeholder engagementPermits to build
PROCESSING AND REFINING	 ✓ Complete pilot plant work with assistance of government programs ➢ Prepare application for Demonstration plant funding 	 Build/operate demonstration plant in St. Lewis Evaluate / test various refining options 	 Demonstration plant operating in St. Lewis Engineering plans Evaluate / test / determine refining options 	 Engineering complete – Ready to build Confirm refining process
STRATEGIC PARTNERS	Secure funding for demonstration plant	Secure funding for bankable feasibility studies	Continued funding for bankable feasibility studies	Secure funding – Decision to build



Corporate Information

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Shareholder Information December 31, 20`9	
Listed:	TSX:V:SMY
Shares O/S Warrants: Options: Fully Diluted O/S	228,775,848 40,864,434 17,775,000 287,415,282

Insiders Participation	Issued Shares	% ownership
InCoR Holdings	76,507,201	33.44%
Mgmt and Directors	11,573,863	5.06%
Totals	88,081,064	38.50%

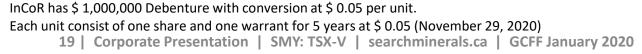
MANAGEMENT:	DIRECTORS:
Greg Andrews, President & CEO	Greg Andrews
Dr. David Dreisinger, VP Metallurgy	Dr. David Dreisinger
Dr. Randy Miller, VP Exploration	George Molyviatis
Matthew Anderson, CFO	Jocelyn Bennett
	Leo Power

LEGAL: AUDITORS: DuMoulin Black Mao & Ying

FUNDING PARTNERS: ACOA InnovateNL Dept of Mines – Newfoundland and Labrador Saskatchewan Research Council NRCAN NunatuKavut Community Council

Kaz Machida – Rare earth specialist

CONSULTANT:





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