



# SAGE POTASH

AMERICAN POTASH FOR AMERICAN FARMERS

TSXV: SAGE

OTC: SGPTF



# FORWARD LOOKING STATEMENT



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The information included in this presentation is forward-looking and is subject to uncertainties and risks. The results or events predicted in this presentation may differ materially from actual results or events. Such information is sometimes accompanied by words such as “project”, “potential”, “estimate”, “conceptual”, or similar statements. The authors of this presentation disclaim any intention or obligation to update or reverse any forward-looking statements, whether as a result of new information, future events, or otherwise. No assurance can be given that actual results, performance, achievements, or values expressed in, or implied by forward-looking statements within this disclosure will occur, or if they do, that any benefits may be derived from them. Scientific and technical information pertaining to the Sage Plain Potash Project disclosed in this document has been reviewed and approved by J. Patricio Varas, P. Geo., a Qualified Person as defined in National Instrument 43-101 (“NI 43-101”).

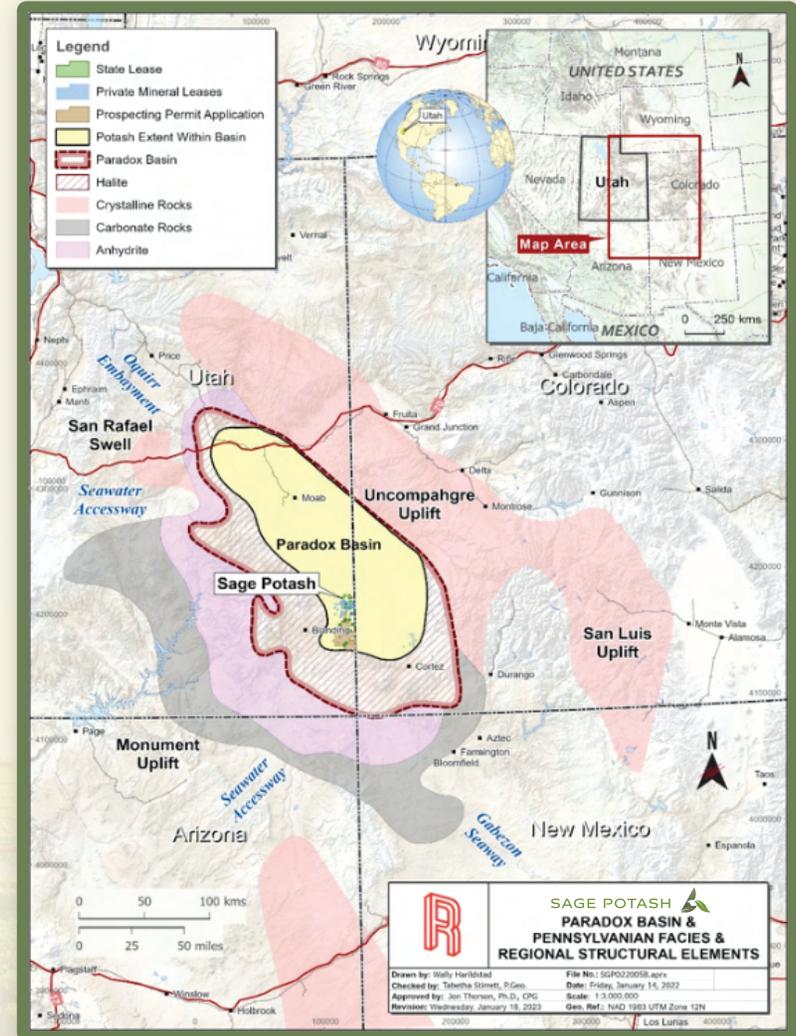
# KEY PROJECT HIGHLIGHTS

- ① Highly attractive long-term potash industry fundamentals tied to long-term global megatrends
- ② Large scale and high-grade potash resource
- ③ Potential to satisfy significant portion of US potash demands
- ④ Mechanical evaporation = lower environmental impact
- ⑤ Short-term timeline to initial production. Fully permitted for 2 Class V exploration wells
- ⑥ 95% of US supply is from imports
- ⑦ Proven solution mining technique used
- ⑧ Experienced management team in project development and mine operations



# CORPORATE OVERVIEW

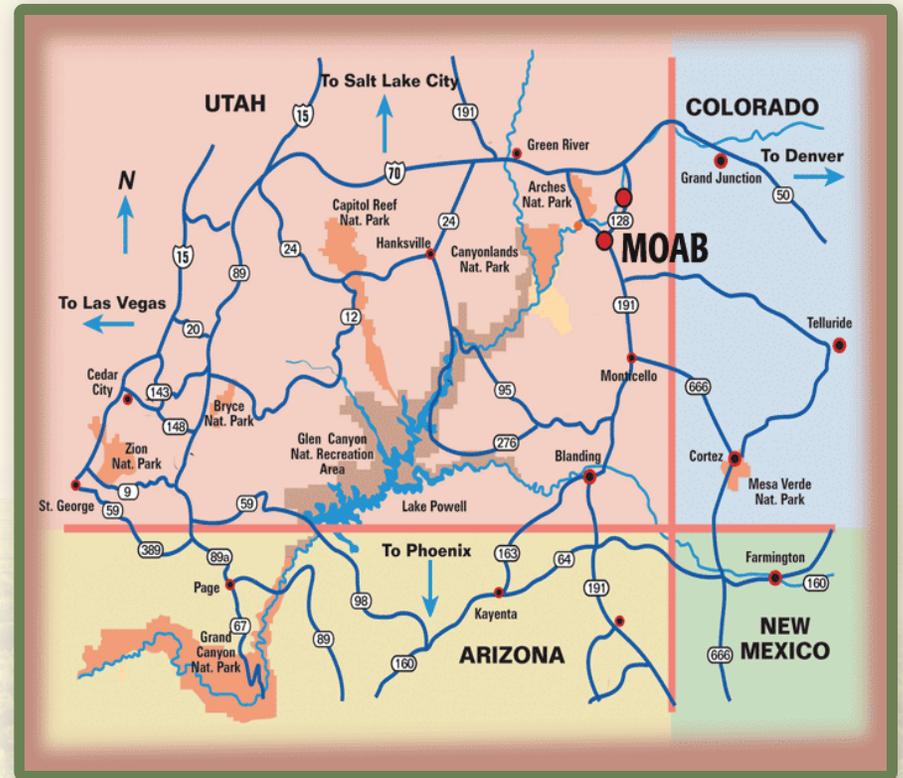
- ★ Sage's land portfolio consists of nearly **90,000 acres** of State and Private Mineral leases and BLM Prospecting Permit Applications
- ★ US Based Tier-1 Potash deposit
  - Local Transportation cost advantage of **USD\$100 \$150/ton**
- ★ Preliminary engineering towards PEA, Feasibility and pilot production
- ★ 2 permitted Class V exploration wells to be converted into UIC Class I and Class III wells for the purpose of injection, production and disposal, allowing for potash brine fluids recovery
- ★ Optimal geology and formation temperatures for **lowest cost economics quartile**



# A HIGHLY ATTRACTIVE LOCATION

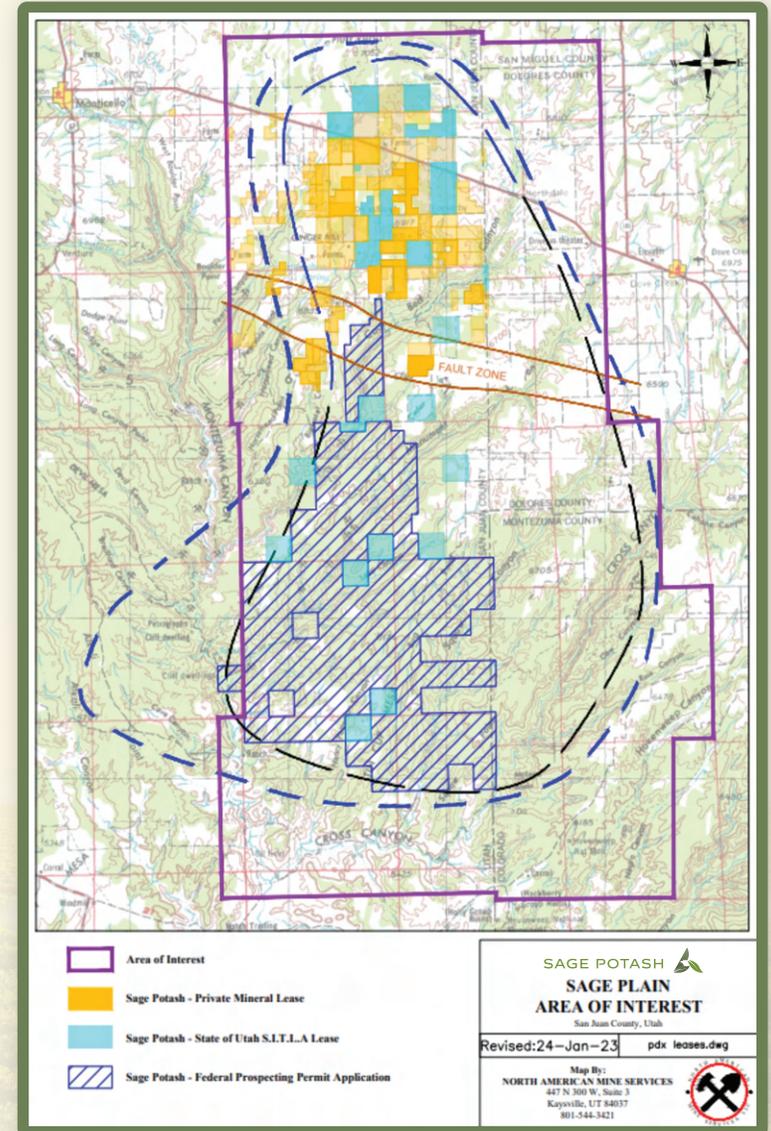
## Why the Paradox Basin?

- ★ Paradox Basin known to host extensive undeveloped world class potash resources
  - 2 Billion tons \*USGS
- ★ Cycle 18 Potash Beds have attractive thicknesses and high grade for solution mining
- ★ Access to mining and processing knowledge
- ★ Regional exploration and development supplies/services
- ★ Local engaged, skilled workforce



# EXTENSIVE LAND HOLDINGS

Over 90,000 acres of mineral leases and PPA's



# RESOURCE ESTIMATE TABLE

Notes:

Deductions for unknown seismic anomalies are 25 percent as no three-dimensional (3D) seismic has been completed.

(f) Inferred Resource ROI is 0-2,400 m.

(g) Potential Quantity ROI is 0-5,000 m for the Western Natural Gas 1 well and 2,400-5,000 m for the Johnson 1 well.

Cycle 18 Member	Area With Exclusions (km <sup>2</sup> )	Thickness (m)	Weighted Average K <sub>2</sub> O Grade (%)	Weighted Average KCl Grade (%)	In-Place Sylvinite Tonnage (MMT) <sup>(a, b, c, d)</sup>	Gross K <sub>2</sub> O Tonnage (MMT) <sup>(a, b, c, d)</sup>	Gross KCl Tonnage (MMT)
Inferred Mineral Resources							
Upper Cycle 18 Potash Bed <sup>(e)</sup>	10.55	7.26	26.96	42.67	159.3	42.9	68.0
Inferred Mineral Resources <sup>(f)</sup>							
Lower Cycle 18 Potash Bed	10.55	5.48	22.60	35.77	120.2	27.2	43.0
Potential Quantities <sup>(g)</sup>							
Upper Cycle 18 Potash Bed (Johnson 1)	36.19	6.3-7.3	27.0-29.3	42.7-46.4	474.2 - 546.5	138.8-147.3	219.7-233.3
Upper Cycle 18 Potash Bed (Western Natural Gas 1) <sup>(e, h)</sup>	3.85	6.3-10.5	5.0-17.0	7.9-26.9	50.4 - 84.1	2.8-14.3	4.0-22.8

# THE SAGE WAY

★ Pioneering a **new scalable production approach in the U.S.**

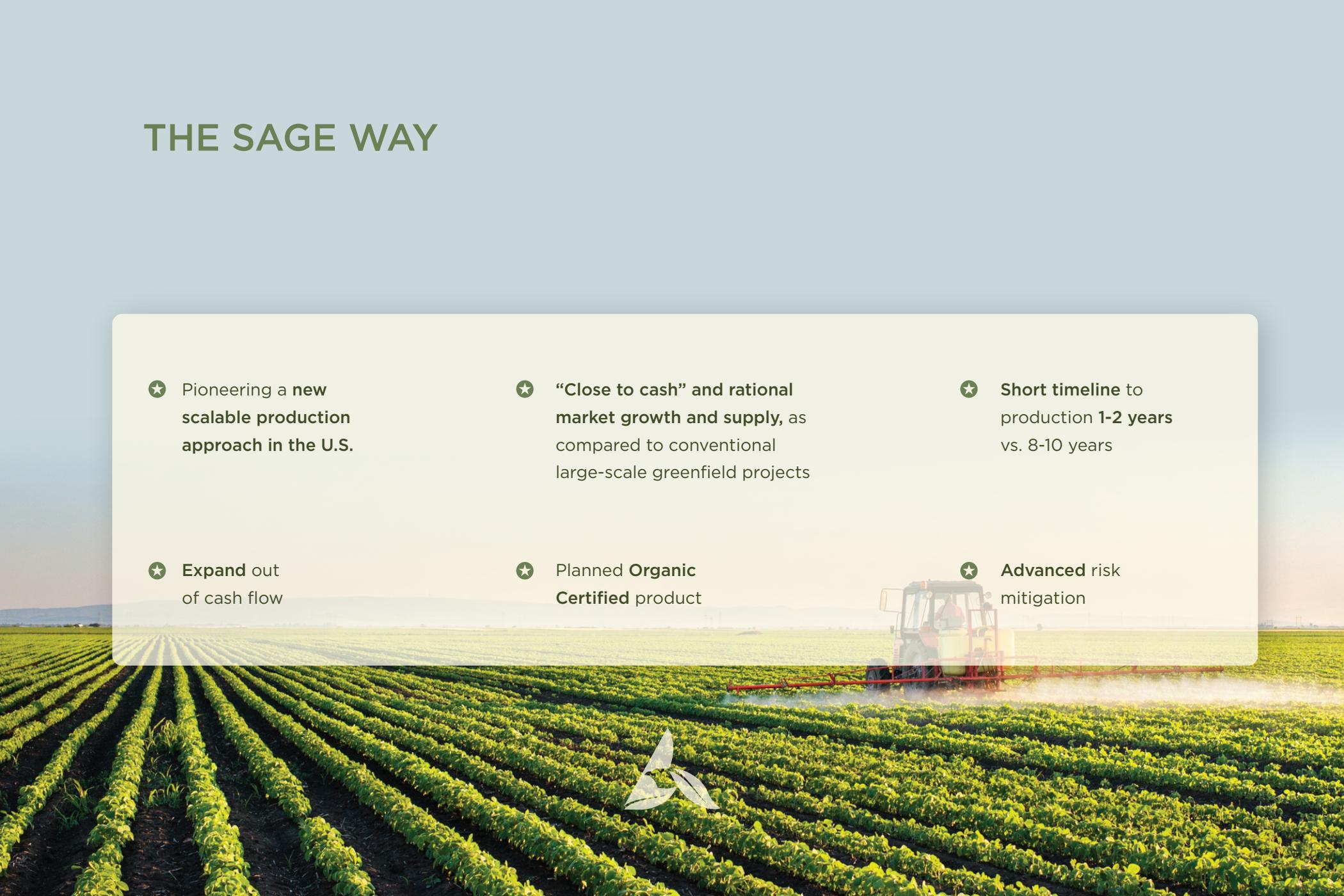
★ **“Close to cash” and rational market growth and supply**, as compared to conventional large-scale greenfield projects

★ **Short timeline to production 1-2 years** vs. 8-10 years

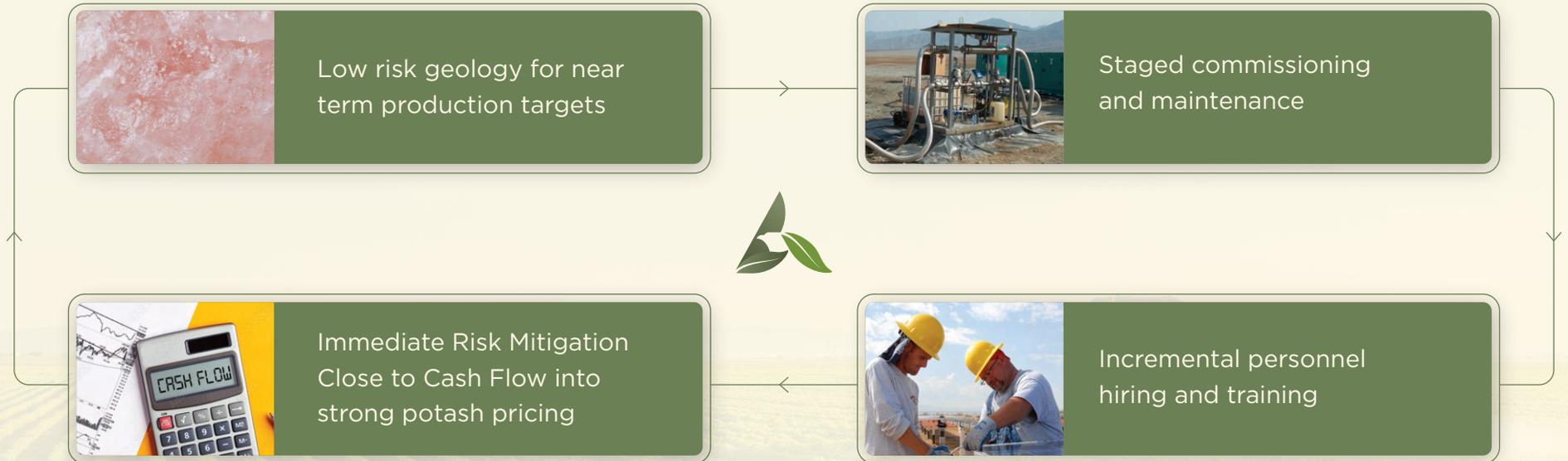
★ **Expand out of cash flow**

★ Planned **Organic Certified** product

★ **Advanced risk mitigation**



# INCREMENTAL PRODUCTION ADVANTAGES



# ACCESS TO MODERN INFRASTRUCTURE



A network of highways and roads in and out of the project area, and strong highway system to key customer areas



Located close to low-cost power and electricity



Access to available oil and gas



Educated workforce with access to local infrastructure

## ★ Progressive, Safe, Stable Jurisdiction

- Mining State Trust Lands funds schools
- Politically stable and mining friendly state
- San Juan county – supportive local government and population
- Supportive, pro-job creation state
- Undeveloped potash resources that can internally supply to much of the US market

# HIGH GRADE, THICK POTASH BEDS & IDEAL FORMATION TEMPERATURES

## Potash Cycle 18

Potash beds are continuous based on seismic work and 14 historic well correlations

Formations are flat lying with minimal dipping

Simple geology with minimal faulting based on 2D seismic survey data

Cycle 18 average depth of -2,130 m (7,000 ft)ions

## Johnson 1 Well Core

Grades of 23-27% K<sub>2</sub>O (36- 43% KCl)

Cycle 18 combined potash zones of 12.74 m (41.78 f)

Low insolubles of 0.56%, low carnallite content of 0.01%

Formation temperature of 68°C (154°F)

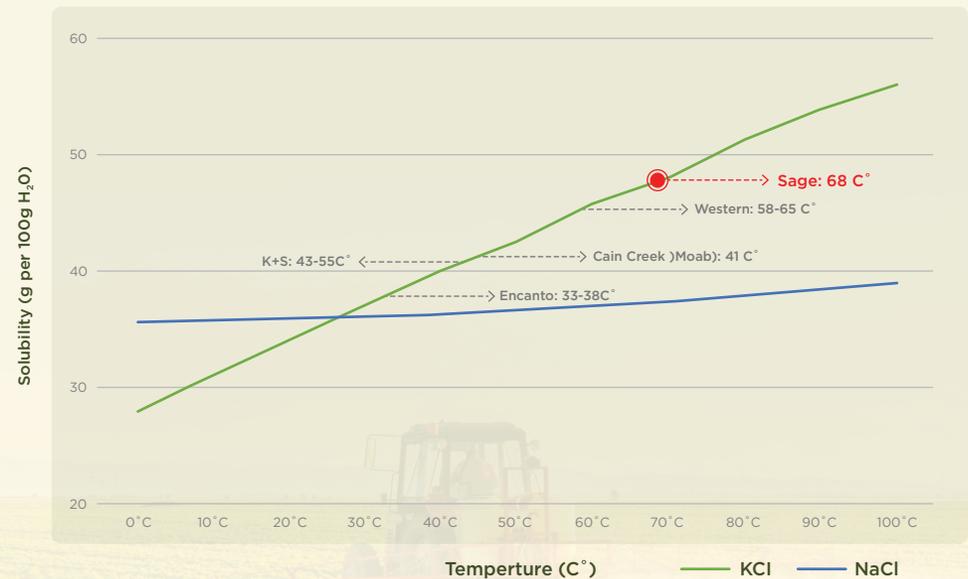
Optimal temperature conditions for solution mining



# SOLUTION MINING

- ★ At 26°C and above, KCl becomes more soluble than NaCl
- ★ NaCl-saturated brine dissolves KCl
- ★ Increasing temperature increases KCl solubility
- ★ Increasing temperature improves the economics
- ★ Lower water usage via water recycling
- ★ Allows for rapid development
- ★ Lower CAPEX/OPEX
- ★ Less surface and environmental impact
- ★ Brine supply evidenced in drill results

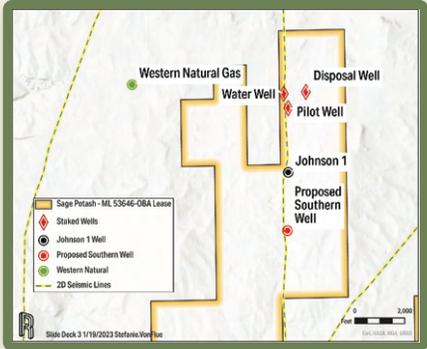
Solubility Curve - Potash (KCl) vs. Salt (NaCl)



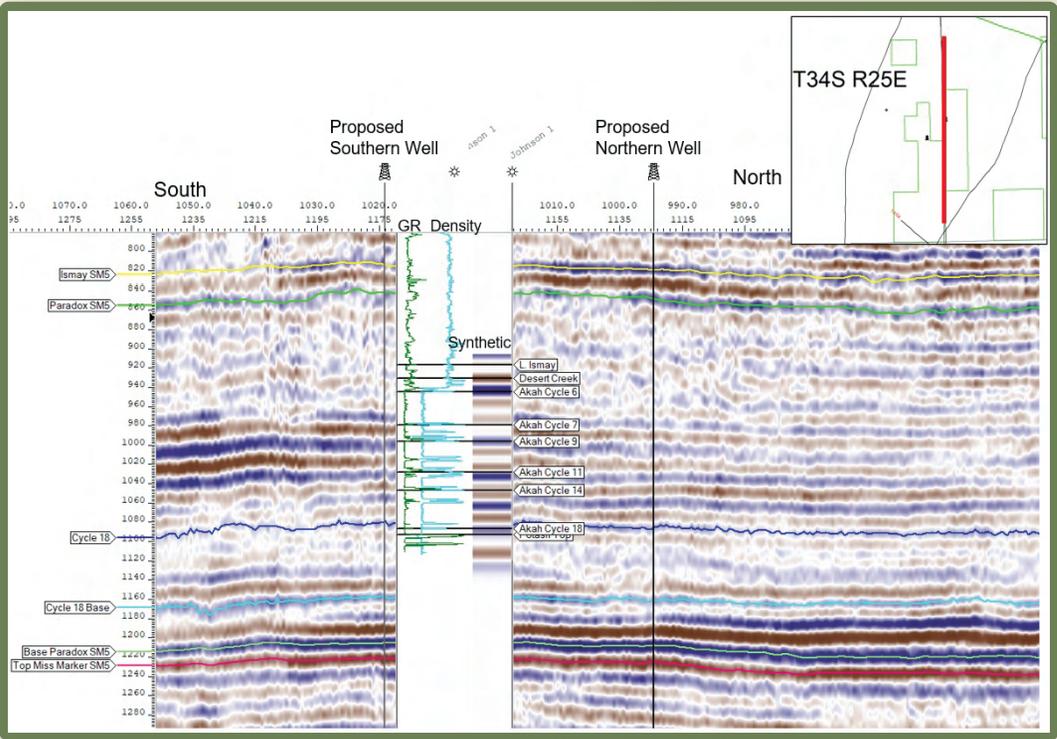
The ambient temperature of the potash horizon at Sage Plain Potash is 68°C. At this temperature, KCl requires less additional heat to be readily soluble. Other potash solution mines require expensive heating infrastructure and operating costs to extract KCl at ambient temperatures of 33°C to 65°C.

# SEISMIC INTERPRETATION

## Why the Paradox Basin?



- ★ The 2D seismic indicates flat, undisturbed Cycle 18
- ★ Pilot well will be placed on a 2D seismic line to reduce the risk
- ★ Disposal well will be located between the Sage 1 and Sage 2 pilot wells
- ★ A water well to be located nearby



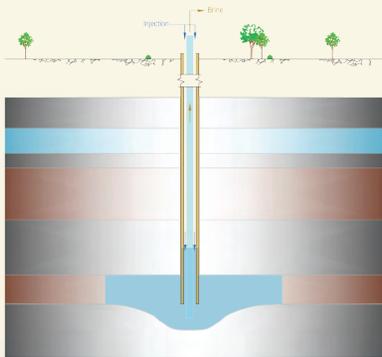
# MECHANICAL EVAPORATION

- ★ Reduced water consumption
- ★ Reduced land footprint
- ★ Less visual impact on the surroundings
- ★ Modular “packaged” units for the systematic staging of production expansion
- ★ Increased tolerance to climate/weather impacts
- ★ Year-round production



# PRODUCTION/VERTICAL CONFIGURATION

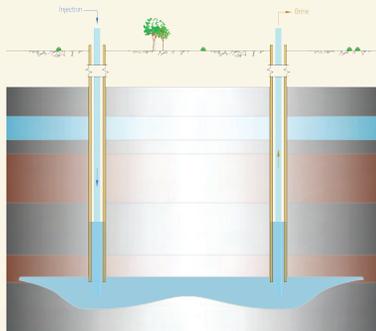
Pilot Production 15k TPY



## Single Well Solution Mining

- Sump development
- Cavern control
- Cavern growth
- Primary Mining

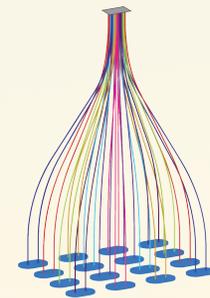
Commercial Production 50k -150k TPY



## Dual Well Solution Mining

- Well connection
- Cavern control
- Cavern growth
- Primary mining
- Secondary mining

Well Field Development 200-500 TPY



## Multi Cavern Single or Dual Well

- Directionally drilled from the central drill pad
- Minimize surface disturbance to ease access and minimize land use
- Centralize operations for controls, pumping, and piping

# CONCEPTUAL MINING UNIT PRODUCTION DESIGN



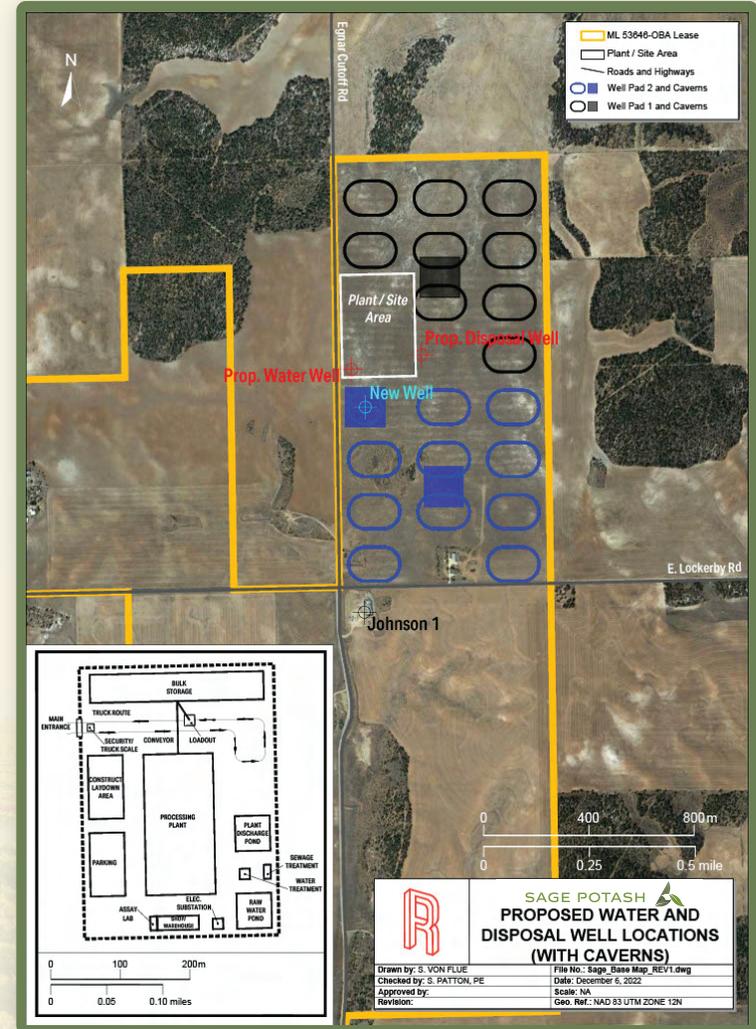
320-acre mining unit



Ability to support production of 150,000 TPY for 20 years



Existing land position can host up to 70 potential mining units

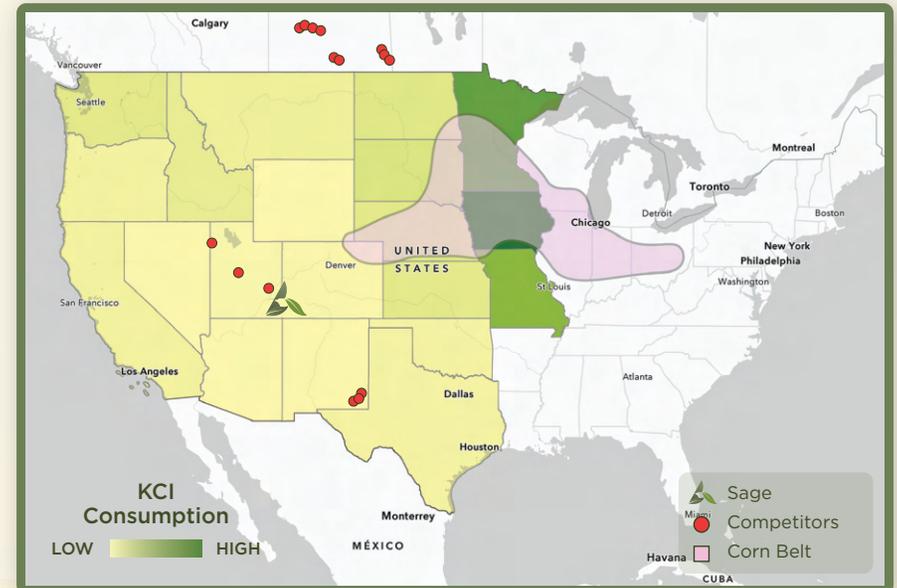




# PROJECT ECONOMICS

Robust Commercial Attributes able to withstand historically low market troughs

- ★ High-grade potash (43% KCl) content with virtually no insolubles or Carnallite
- ★ Favorable Geology
  - High formation temperature ideal for potash solution with lowest energy requirements
  - Thick flat lying beds for optimal conventional cavern development
- ★ Staged expansion mitigates risk of stranding capital
  - Each expansion stage can be matched to prevailing market conditions
- ★ Sage's target market encompasses most states west of the Mississippi River, including areas within the high KCl consumption corn belt, and a broad range of specialty blends and precursors in the west
  - In combination with lowest transportation costs, margin compression can be mitigated while maintaining competitive supply advantage

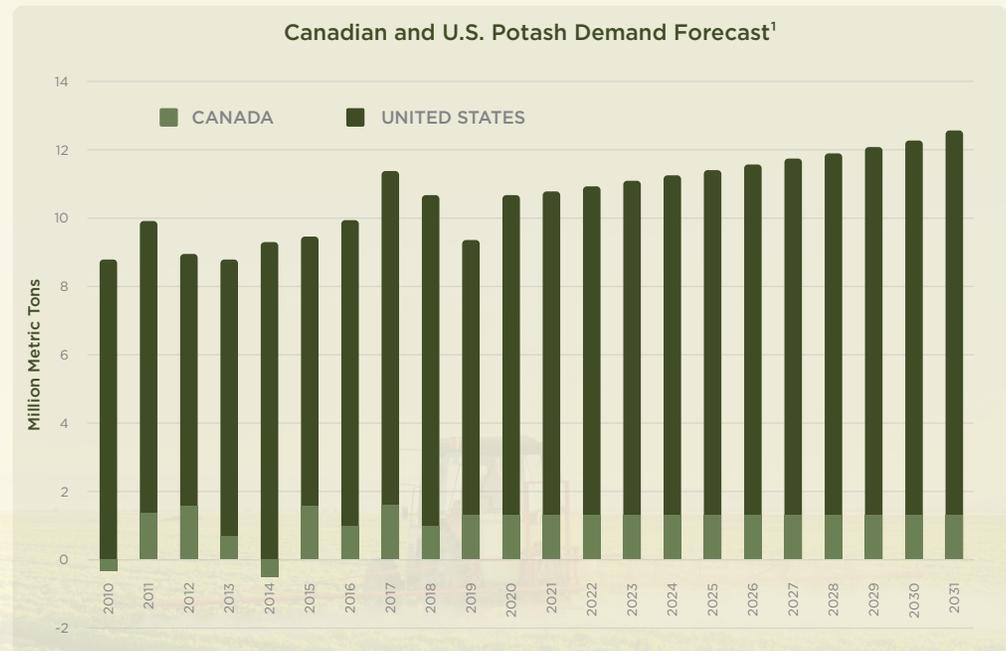


# POTASH DEMAND

Potash demand has had an annual growth rate of 2.5–3% since 2000<sup>1</sup>

The Canadian and U.S. potash demand is forecast to grow to an estimate of **12.55 million Mt** in 2030.<sup>1</sup>

- ★ World demand is driven by the developing markets of Asia and Latin America, which had an underapplication of potash compared with the scientifically recommended levels
- ★ With sanctions against 40% of the world supply (Russia and Belarus), the U.S. must develop a local potash supply



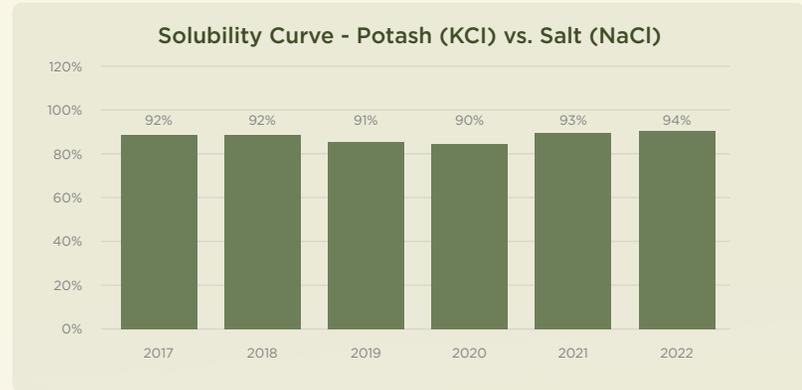
1. RESPEC Market Analysis

# POTASH MARKET

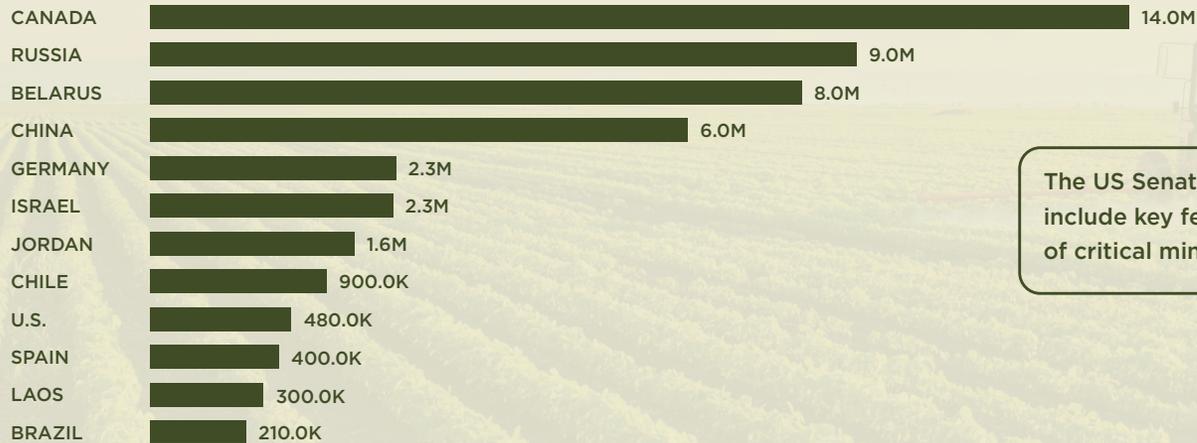
The United States is the largest global consumer of Potash, yet it imports 94% of its potash<sup>1</sup>

The US only produces 477,000 tons of potash a year, but uses over 9 million tons annually and except for Canada, most of the world's potash comes from high-risk jurisdictions, such as Russia, Belarus and China<sup>2</sup>

Net import reliance of potash in the United States from 2017 to 2022 (in percent)



FERTILIZER GIANTS | CANADA, RUSSIA WERE THE TOP POTASH PRODUCERS IN 2021



The US Senate on 14 March introduced a bill that would include key fertilizers phosphate and potash on the list of critical minerals by the US Department of Interior.<sup>3</sup>

1. As per Statista referencing 2022  
 2. US Geological Survey Publications Warehouse (January 2022)  
 3. argusmedia.com

# MANAGEMENT TEAM & DIRECTORS



**PAT AVERY**

CEO SAGE POTASH (US) CORP.

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Current Director of FertoZ, an Australian phosphate company

Owner of LDR Solution LLC, a consulting firm for major mining, chemical, fertilizer, project management, and private equity companies

15 years with ARCO and Santa Fe Pacific Pipelines in refining and transportation.

11 years in Senior Positions, managing over 1,500 employees at ten facilities with JR Simplot

Former President of Intrepid Potash

30 years experience in the industries of petroleum, chemicals, mining, fertilizer, and construction/project management



**PETER HOGENDOORN**

CEO, SAGE POTASH CORP.

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30 years of financing junior mining and tech companies, both public and private

Owner of Wrenswood Capital Corp for 20 years investing in and consulting for numerous start-ups and turn-arounds

2012 brokered original JV, which financed original Sage Plains project of 100,000 plus acres of state, and private Mineral Leases, acquiring seismic data and successfully drilled Johnson 1 well. Entire project cost \$16M



**AMIR RAHIMTULA**

GLOBAL FINANCE & TRADE PARTNER

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Amir is President of Transnational Enterprises, a Canadian trading company registered in British Columbia since 1979, supplying international fertilizer manufactures with critical raw materials such as sulphur and potash across the globe, as well as trading other bulk commodities.

The Rahimtula Group was founded in 1956 by Amir's grandfather, the first Chairman of the Fertilizer Association of India, and has been a significant player in India's fertilizer sector for over six decades.

Amir brings decades of global financial expertise, developing global logistics infrastructure, structuring high value financial deals, and fostering notable business relationships with global financial trade industry leaders.

Amir is currently focused on expanding and diversifying his business assets into manufacturing and the production side of potash and other minerals for global trade.



**SHILO SAZWAN**

STRATEGIC OPERATIONS PARTNER

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Over thirty years of strategic operations experience, executive leadership, and business relationships in the North American fertilizer industry

Grew up working across all areas of his family's' calcium, transportation, and fertilizer businesses, Tiger Calcium.

Extensive experience spearheading the development of cost-effective cutting-edge order to produce the highest quality product at the lowest cost in the market.

Over his tenure, the output of the plants grew by 200% and eventually the business was sold by nine x EBITA.

Possesses exceptional leadership and employee retention skills, leading teams of 500+ employees.

Proven leader in developing strong mutually beneficial relationships within the communities he works within.

# MANAGEMENT TEAM & DIRECTORS (CONTINUED)

## GORDON ELLIS

DIRECTOR, P. GEO.

Gordon Ellis P.Eng (retired)

Over 50 years of involvement in the mining industry and resource development

Multiple senior management and director roles in public companies and a multi-billion-dollar ETF fund.

MBA in International Finance

Chartered Directors designation from The Director's College (a joint venture of McMaster University and The Conference Board of Canada)

Past member of the Society of Exploration Geophysicists (SEG), Canadian Institute of Mining and Metallurgy (CIMM), Association of Professional Economists of BC (P Econ), American Institute of Mining Engineers (AIME)

Founded and led to strong profitability a manufacturing and distribution leader in the pet industry before organizing a buyout by multibillion dollar German manufacturer.

## MATTHEW LECHTZIER

DIRECTOR

Senior VP of Ivanhoe Mines and Ivanhoe Capital for over 25 years

Substantial background in organizing complex transactions in both public and private markets and handling detailed negotiations at a senior level.

Director of Equity Capital Markets at Jardine Fleming in Hong Kong (later J.P. Morgan)

## DAVID REID

DIRECTOR

Global Co-Chairman of Mining at DLA Piper

Practicing Senior Partner at DLA Piper focused on securities law, corporate finance, M&A, mining law, and related corporate transactions

Recognized as leading Canadian lawyer in global mining and former board member of TSX and NYSE listed companies

Represented Sumitomo Metals Mining Co., in its US\$1.4B construction decision to build Cote Gold Project in Ont, Canada with JV Partner IAMGOLD Corp.

Awarded Best Lawyers in Canada (Mining Law), 2016 - 2023; (Natural Resources Law), 2010 -2023; (Securities Law), 2014 - 2023

## CLARK SAZWAN

DIRECTOR

Clark Sazwan is the owner and director of Tiger Tank Lines, former owner and current director of Tiger Calcium and the director/owner of Keg River Chemicals. A second-generation mining industry expert, Mr. Sazwan is now an independent consultant after spending over 40 years in the agriculture and natural resources sector.

He brings extensive knowledge and industry experience across the mining value chain to Sage Potash. His decades of experience in the agricultural industry and expertise in rail and truck transportation provide the Board with a critical perspective to further Sage's development in the Paradox Basin.

Owner and Director of Tiger Tank Lines

Former director/owner of Keg River Chemicals - a Canadian fertilizer company

Former Owner and current director of Tiger Calcium - a Canadian salt mining company

40+ years in the agricultural and natural resources

sector Experience in product development as well as construction/project management of pipelines, processing plants, wells

## SELMA SIERRA

DIRECTOR SAGE POTASH (USA)

Recently appointed to Division of Oil, Gas and Mining Agency of Utah

Held numerous senior management positions with BLM, State Director (Utah) totaling 23 Million acres and staff of 700-900 Full and P/T employees

Chief of Staff to BLM Director in Washington, DC

Assistant Director of Operations, U.S. Department of Commerce - MBDA, Washington, DC

Formerly Communications Director for US House Representative where she focused on public lands, energy and environmental legislation

# PARTNERSHIP MODEL

## Sage Potash Corp.

- Short-term production/early risk mitigation/  
high-confidence geology
- Proven expertise in solution mining and fertilizer markets  
o Industry leading engineering and technology partners
- Scalable production model/expand on cash flow
- Experience in potash operations and distribution

## Partner with Existing SOP/MOP Producers and distributors

- Dedicated Precursor Supply/Custom Blends
- Joint Marketing Agreements
- White Labeling
- ROFR for Additional Off-take of Staged  
Production Increases



## RESPEC | ENGINEERING & GEOSCIENCE PARTNER

- RESPEC has over 50 years of working on potash and salt deposits globally
- Planning and execution for the K+S Potash solution mine, the BHP Jansen project, as well as many of the advanced projects globally
- Original team that planned and executed the original Johnson 1 well and has a local team located in Grand Junction, Colorado, that is well-versed in the local geology, permitting, and local suppliers

# COMPANY SHARE STRUCTRE



MANAGEMENT & FOUNDERS	21,437,500
SEED SHAREHOLDERS	26,907,900
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ISSUED AND OUTSTANDING	53,039,905
DIRECTORS AND OFFICERS OPTIONS	8,200,000
CONSULTANT OPTIONS	1,300,000
BROKER WARRANTS	795,670
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FULLY DILUTED PRE-FINANCING	65,388,517

\*CEO, Management, & Directors hold approximately 63.6% of total issued & outstanding shares



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