

# Background information on Mining



INTERNATIONAL  
MINERALS INNOVATION  
INSTITUTE

# Saskatchewan 2024 Mining Stats



| Description                        | Potash   | Uranium | Metallic Minerals |
|------------------------------------|----------|---------|-------------------|
| Direct Employees                   | 6,600    | 2,136   | 439               |
| Contractors                        | 11,145   | 1,026   | 101               |
| Total Direct Wages                 | \$1.14 B | \$416 M | \$ 62 M           |
| Avg. Salary                        | \$120k   |         |                   |
| Lost Time Injury per 1 Million hrs | 1.1      | 2.0     | 4.7               |

*43% of uranium mine-site employees are residents of SK's north*

| Spending                                 | Potash  | Uranium | Metallic Minerals |
|--|---------|---------|-------------------|
| Capital Investment                       | \$1.4 B | \$226 M | \$68 M            |
| Local Supply Chain (SK)                  | \$2.2 B | \$581 M | \$76 M            |
| Indigenous-owned Businesses Supply Chain | \$612 M | \$284 M | \$17 M            |

| Description          | Potash | Uranium  | Metallic Minerals |
|----------------------|--------|----------|-------------------|
| Community Investment | \$27 M | \$12.7 M | \$190k            |



# Saskatchewan's Northern Mining Industry



## **Uranium Operating Mines & Mills:**

Cameco - McArthur River

Cameco - Key Lake Mill

Cameco - Cigar Lake

Cameco - Rabbit Lake (in care & maintenance)

Orano - McLean Lake Mill

## **Uranium Mines Under Development:**

Denison - Wheeler River

NexGen - Rook I

Paladin - Patterson Lake South

UEC- Roughrider

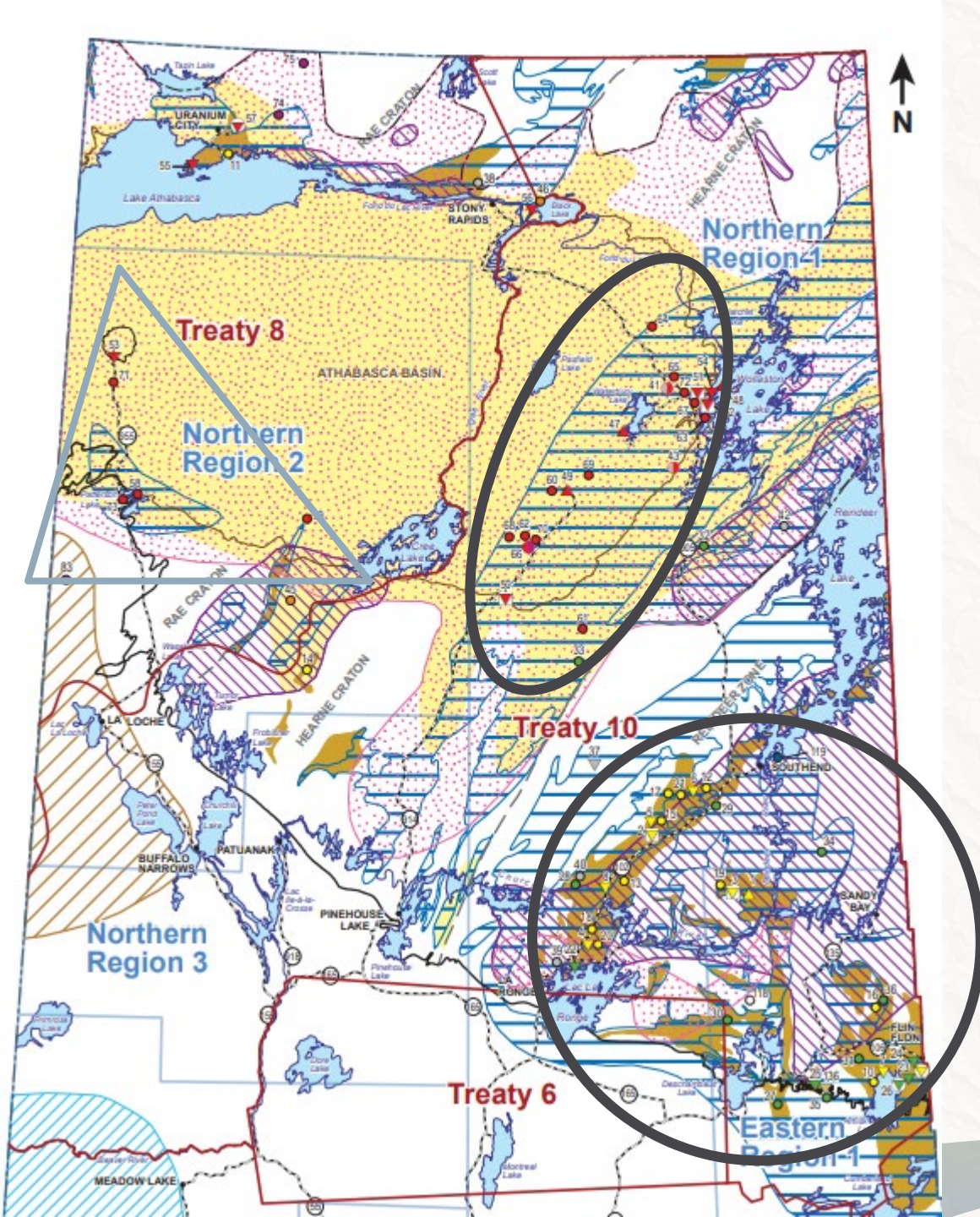
## **Base Metals Mining:**

SSR Seabee

## **Copper Mine Under Development:**

Foran McIlvenna Bay

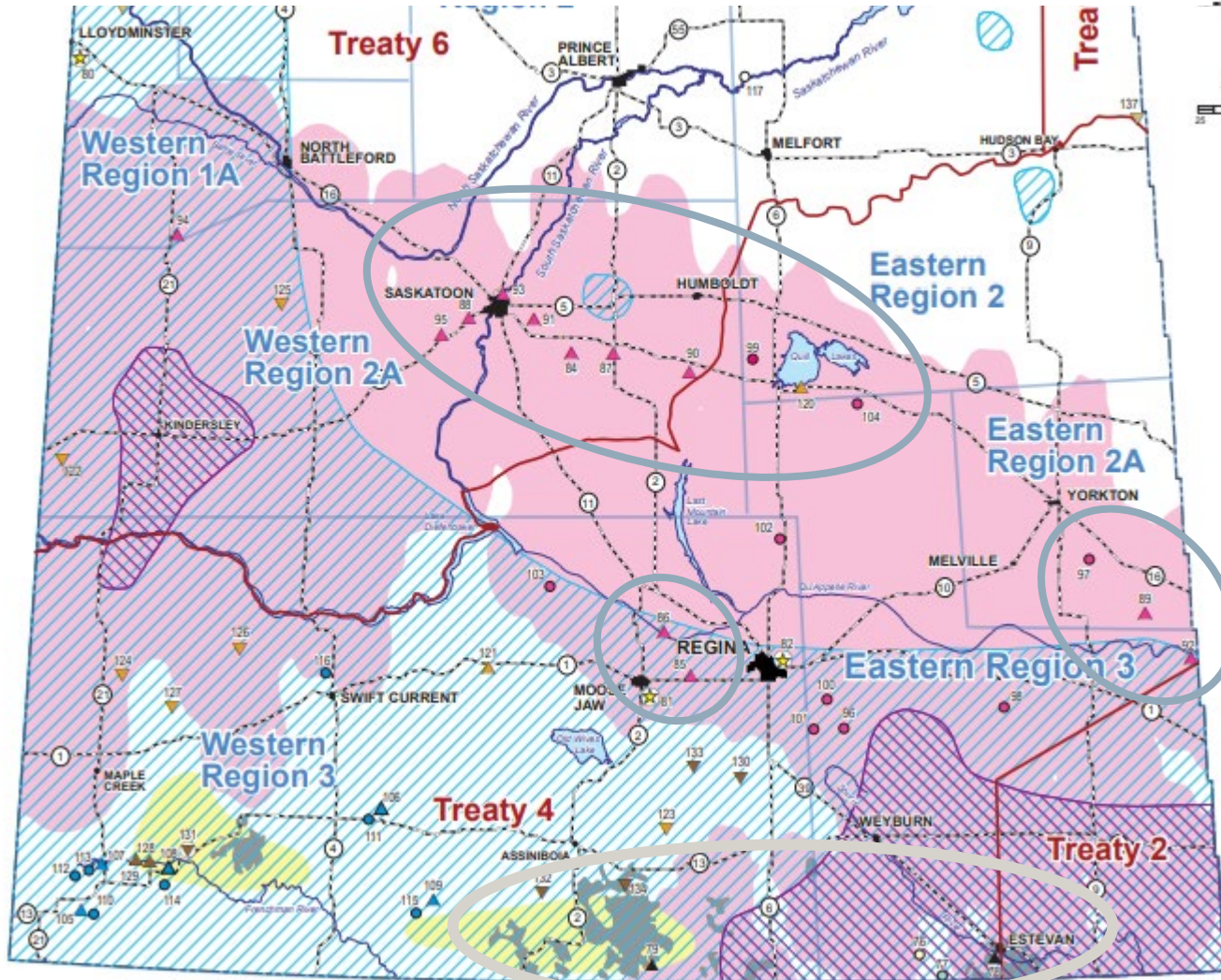
*Saskatchewan is world's  
2<sup>nd</sup> largest producer of  
Uranium (22%)*





# Saskatchewan's Southern Mining Industry

*Saskatchewan is the world's largest producer of potash (31%)*



## Potash Mines:

Nutrien Lanigan

Nutrien Cory

Nutrien Allan

Nutrien Patience Lake (Solution)

Nutrien Vanscoy

Mosaic Colonsay

Mosaic Esterhazy

Nutrien Rocanville

Mosaic Belle Plaine (Solution)

K+S Bethune (Solution)

## Potash Mines Under Development:

BHP Jansen

## Potash Mines in exploration/discussion:

Western Potash Milestone

## Coal Mines:

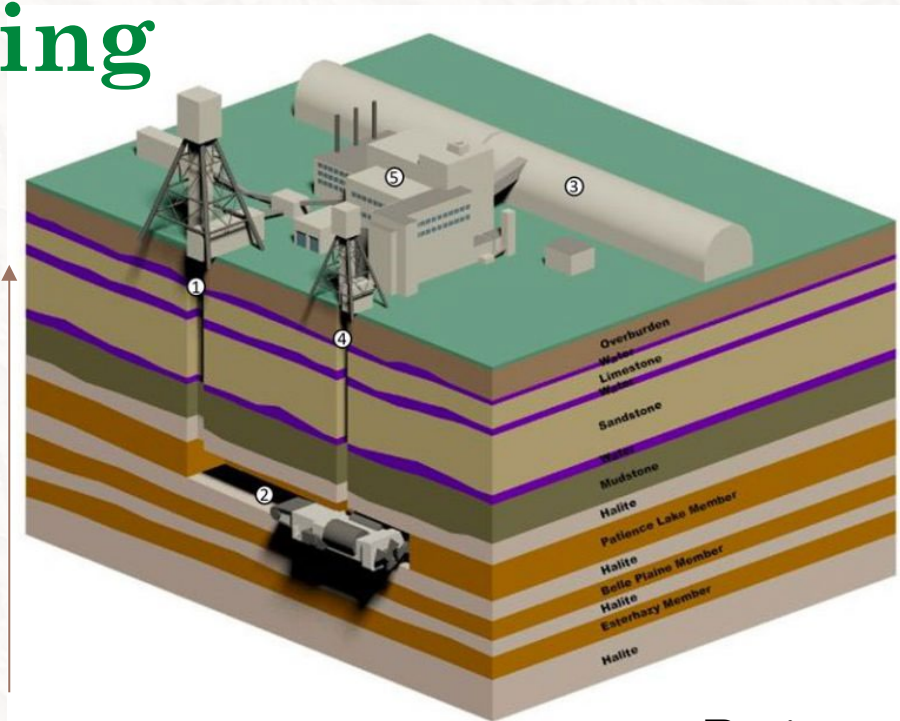
Westmoreland Coal (Estevan & Coronach)





# Conventional Potash Mining

Hoisting

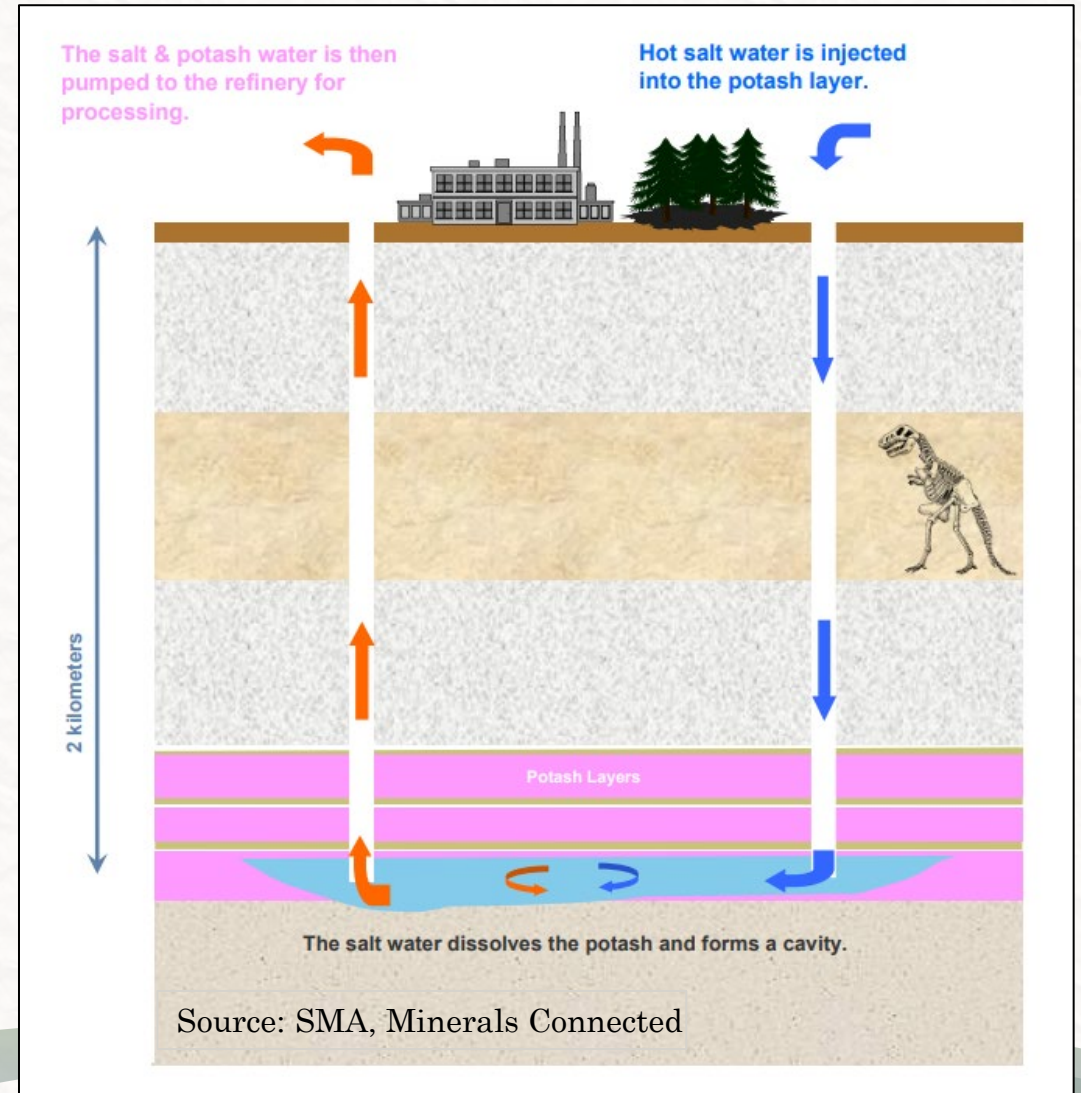


Conveying

Boring

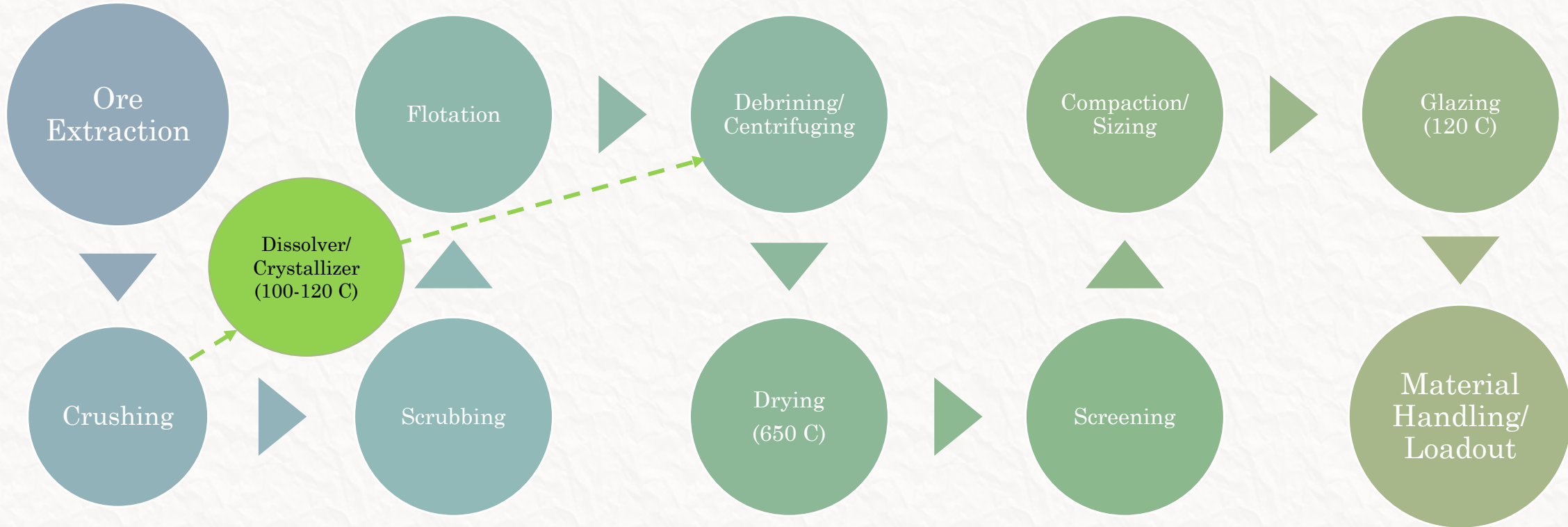


# Solution Mining





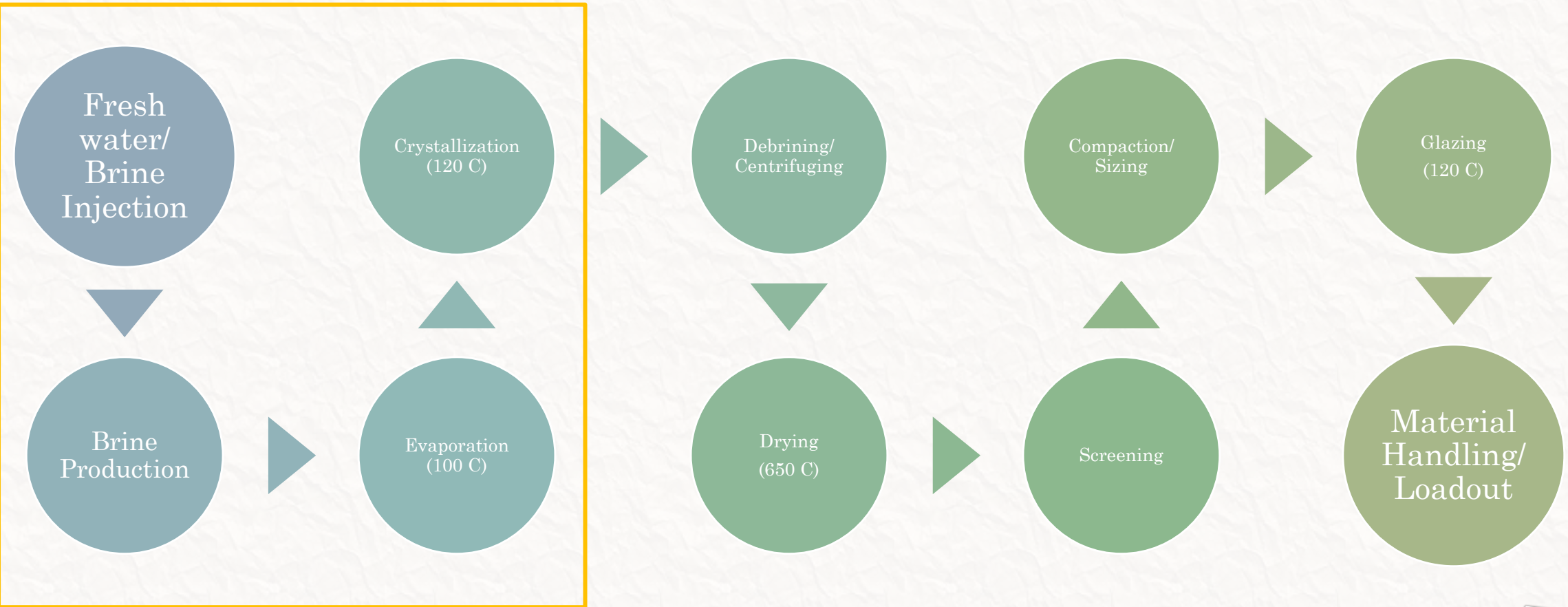
# Conventional Potash Mining Flow Sheet



Nutrien Potash Mining and Milling Overview: <https://youtu.be/OFECEkOcb4w>



# Solution Potash Mining Flow Sheet



Solution Mining Front-end  
Process Differs from  
Conventional

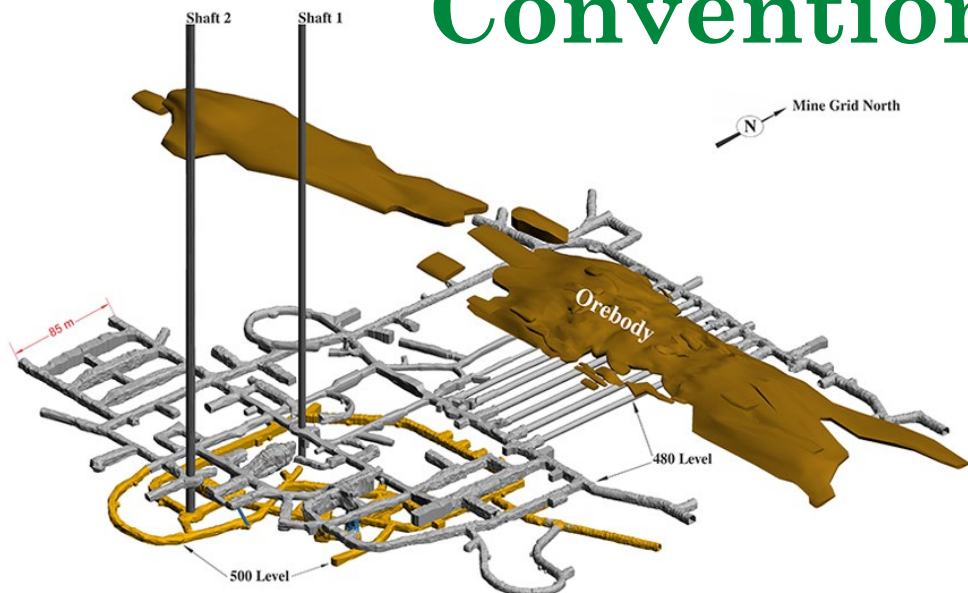
# Conventional Uranium Mining



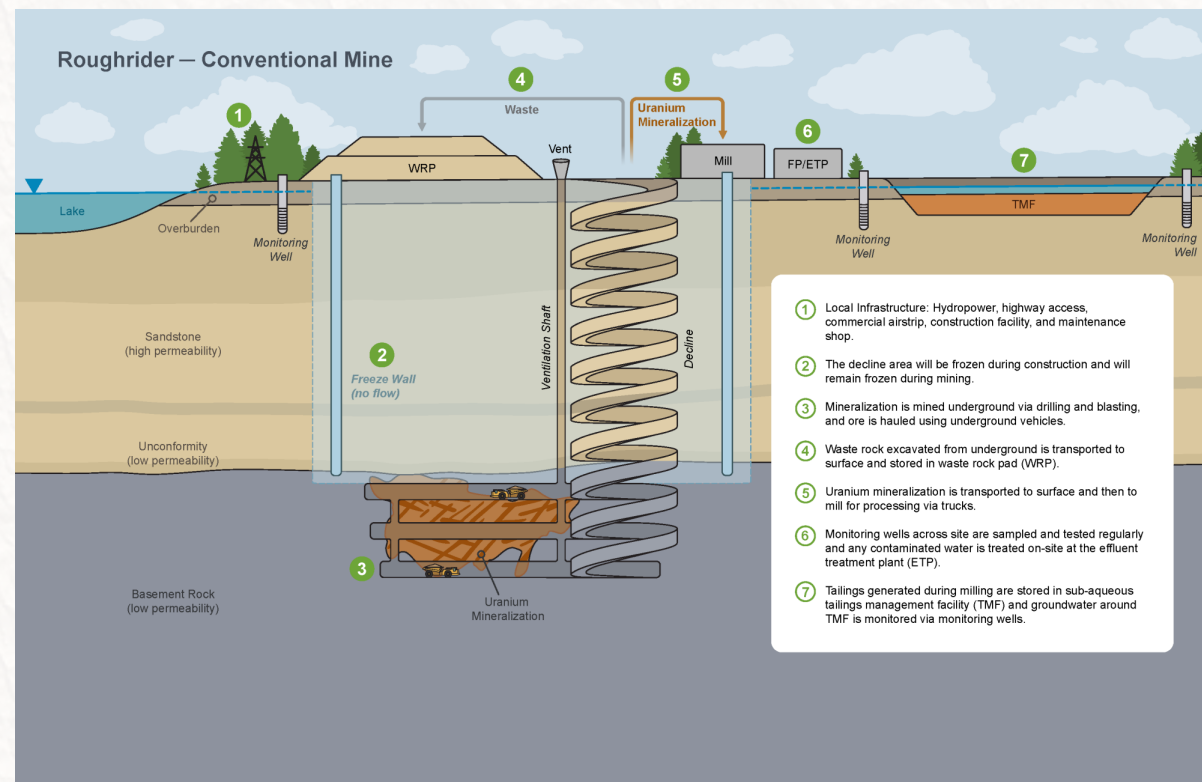
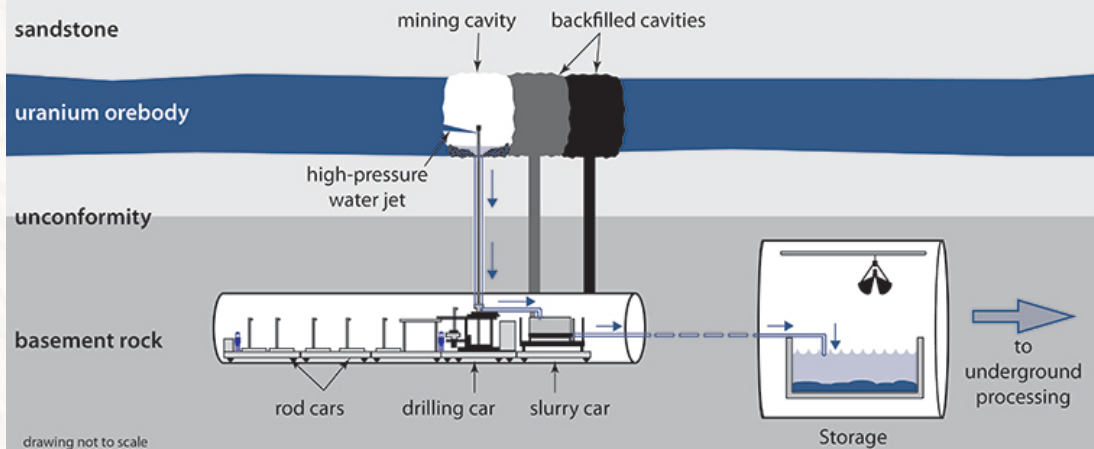
[How It's Made - Uranium Part 1 | Cameco](#)

How It's Made – Uranium Part 2 - Cameco

<https://youtu.be/c7ehyxRBMbw>



Cameco Cigar Lake



Uranium Energy Corporation



# Uranium Mining Flow Sheet

