



<section-header><section-header><section-header><list-item><list-item>

# Early work at Superior West Several historic exploration drill holes: late 1960's-1970's

• KEX drilled 6 relatively deep core holes: mid-1990's, about the same time that Magma Copper made the discovery of Resolution

BROKE EMX ROYALTYCORP THE ROYALTY GENERATOR

• BCE reconnaissance work in district: early 2000's

•

• First claim staking by BCE at Superior West: 2006





### **Target testing**



Primary question: What is the nature and abundance of minerals in the target area?

- Preliminary subsurface evaluation of geological prospects through drilling
- All ground disturbance adheres to all applicable laws and regulations, and to an environmental
  management plan to ensure best practice
- About 1 in 1,000 of these projects is ultimately successful
- + About 1 in 30 may advance to see further work
- Our work is closely regulated by multiple governmental agencies such as: USFS, AZ Dept. of Water Resources. AZ Game and Fish
- Due to the limited odds of success in mineral exploration we strive to limit our footprint of disturbance
- BCE goes above and beyond what is required by law for site rehabilitation

### What's involved in target testing

Limited drilling

### Time required

Seasonal work; a few months.

#### **Environmental impacts**

- Minor water usage
- Road access
- Possible dust and noise though we are happy to work to keep these limited
- Clearing of drill sites (rehabilitated afterwards)

### Exploration: our view

- This stage of exploration has minimal environmental impact, is closely regulated, and has a positive economic impact.
- Our goal is to work respectfully and transparently with residents of the area.
- Exploration activity has been going on in this area for 150 years.
- However, there are enormous leaps to get from early exploration to discovery to mining.
- After discovery, it takes years of study to determine what a mine might look
  like, if it can even be economically developed
  - At this stage we have not completed early stage exploration, much less made a discovery.
- We strongly believe that in this early stage, we can work respectfully, protect the environment, and provide economic benefit.

### Superior West Timeline

 KEX drilled 6 relatively deep core holes: mid-1990's, about the same time that Magma Copper made the discovery of Resolution

> BROKE EMX ROYALTYCORP THE ROYALTY GENERATOR

- First claim staking by BCE at Superior West: 2006
- Partnered with FMI: 2009
- FMI drill program: 2012
- Partnered with KEX: 2015
- KEX/BCE PoO initially filed with Tonto National Forest: 2015...
- Learned of RUG trail system plans: 2019



































# Drilling & Hole Abandonment

- Water used for drilling is purchased from an agricultural source nearby???
- Water consumption during drilling will average from <0.5 to 5 gal/min on this project.
- Additives used for drilling are polymer based and are the same type of additives used to drill water wells
- Upon completion the rods are pulled out of the hole and bit removed
  Rods are re-inserted into the bottom portion of the hole and abandonment mud is pumped into the hole as required by the ADWR & USFS
- Rods are gradually pulled back out of the hole and abandoment mud is pumped in the hole during this process until the entire hole is filled
- The mud then gels up thereby preventing aquifers from mixing in the hole

