Resolution Copper Project

- To be the largest Cu mine in N.A.
- Long life - 40-years
- Economic engine >$6B
- $1 billion invested to date
- 3700 total jobs
- $220M Annual Payroll
- $61.4 billion (~$1 billion/yr) total economic impact
Tailings Forum
Where are we looking?
What are tailings?
Ore-rock that contains economic concentrations of minerals
Processing-Concentration of Copper Ore

Grinding → Separation

Copper Concentrate

4% by Mass

Tailings (Waste)

96% by Mass
Conceptual Mill
(Layout subject to change)
Tailings: The materials left over after processing
What is the siting criteria?
Physical factors to consider

• Large enough area?
• Earthquakes?
• Tailings
• Characteristics?
• Climate?
• Geology and hydrology?
What are the criteria and concerns for tailings?

- Land Ownership, topography and capacity
- Dust and proximity
- Water – surface water and ground water protection
- Economic and way of life in Superior (recreation, tourism, business)
- Public safety and health
- Reclamation, visibility
Dust and Air Quality
Water

Surface

Groundwater

Conserve Quality
Hydrology
Recreation and Way of Life

Hunting

Residential

Recreation

Ranching
Public and Employee Safety

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ENVIROMENTAL MANAGEMENT SYSTEM
CERTIFIED BY BNV
ISO 14001
Magma tailings before reclamation

Magma tailings after reclamation
Progressive Reclamation
What will it look like?
After 40 years – Unreclaimed

After 40 years - Reclaimed
Lower East – View from US 60 – Near Queen Creek

After 40 years – Unreclaimed

After 40 years – Reclaimed
Lower West – View from US 60 – Near Queen Creek

After 40 years – Unreclaimed

After 40 years – Reclaimed
View from Boyce Thompson Arboretum

After 40 years – Unreclaimed

After 40 years – Unreclaimed
View from the Highlands: Lower East

After 40 years – Unreclaimed

After 40 years – Reclaimed
View from the Highlands – Lower West

After 40 years – Unreclaimed

After 40 years – Reclaimed
THANK YOU

QUESTIONS ?