## OROGEN

## Manhattan Gap

Nevada

TECHNICAL PRESENTATION
SEPTEMBER 2020

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This presentation includes certain statements that may be deemed "forward looking statements". All statements in this presentation, other than statements of historical facts, that address events or developments that Evrim Resources Corp. (the "Company") expects to occur, are forward looking statements. Forward looking statements are statements that are not historical facts and are generally, but not always, identified by the words "expects", "plans", "anticipates", "believes", "intends", "estimates", "projects", "potential" and similar expressions, or that events or conditions "will", "would", "may", "could" or "should" occur.

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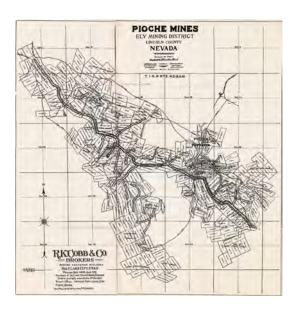


#### Location

#### PIOCHE, HIGHLAND, BRISTOL DISTRICTS



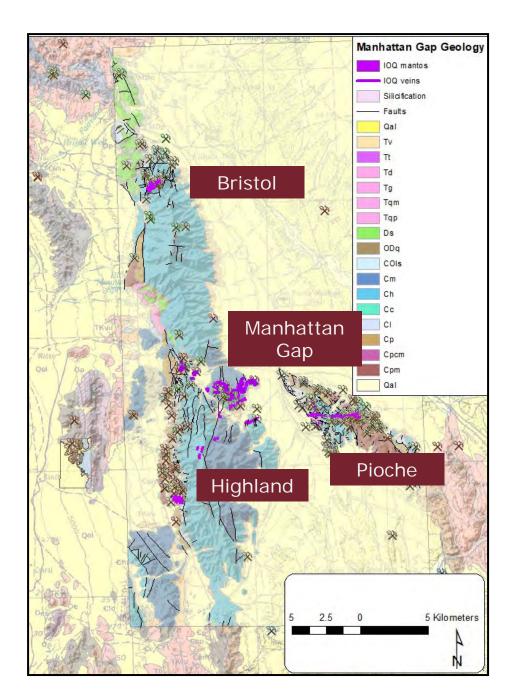
Pioche District Historic photo



- Historic Ag-Pb-Zn-(Au) production from fissure veins and mantos (CRD), and Au-Ag qtz veins
- Approx. 6.3 M tons grading 3% Pb, 7.8% Zn, 0.03 opt Au, 3.9 opt Ag, minor Cu and Mn production

## Geology

- Widespread mineralization in Pioche, Highland and Bristol Districts
- Carbonate replacement deposits, minor skarn, qtz-sulfide fissure veins associated with Late Cretaceous (100-90 Ma) and Late Oligocene (28-27 Ma) diorite to granite intrusions
- Minor lamprophyre and qtz porphyry dikes





## Geology

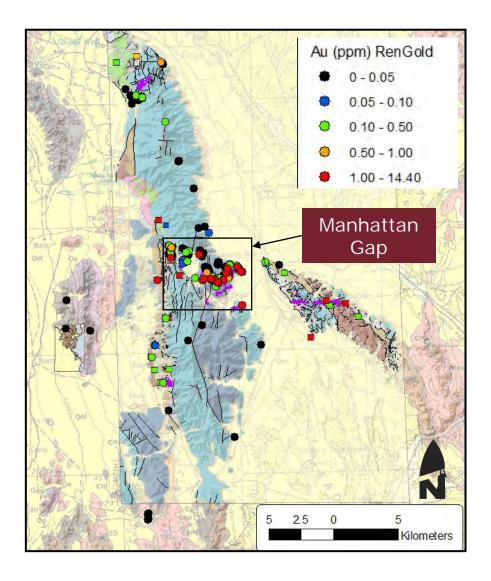
- Mineralization dominantly in Combined Metals Bed in Pioche Shale (first carbonate above Prospect Mtn Quartzite)
- Other mineralized units include: Susan Duster limestone in Pioche shale, Lyndon limestone, Davidson Blue limestone in Highland Peak formation, and Mendha limestone
- Stratiform mineralization along E-W "ore channels" e.g. Caselton
- High angle structural controls /feeders to mantos

SI	LURIAN		CONTRACT OF	Gray and brown dolomite. 75 feet
Z	Upper Ordo.	Springs . delomite		Dark thin to thick bedded dolomile or dolomitic limestone; some layers cherty. Fossils. 875 feet
2	Middle	Eureka		White and pale-red vitrous quartzite, in places quartzitic sandstone. 200 feet
ORDOVICIAN	Lower Ordovician p	Tank Hill limestone		Gray limestone, thin bedded but commonly making thick ledges; fossils, Gray limestone, some conglomeratic, i lower part; fossils abundant. 450 feet
		Yellow Hill limestone		Gray limestone with many layers of conglomerate throughout; weathers to gray or yellowish dibris. Fossila abundant. 670 feet
CAMBRIAN	Upper Cambrian	Mendha limestone		Blue-gray thick and thin limestone, comewhat cherty; layers of flat limestone conglomerate. 450 fret
				Dark-gray to black dolomitic limestone, cherty. 350 feet
				Gray heavy-bedded crystalline limestone. 300 jeet
				Gruy limestone, thin to thick bedded; much colitic and conglomeratic material, 800 feet
	Middle Cambrian	Highland Peak limestone		Heavy ledges of light-colored limestone near top of formation, making cliffs along crest of Bristol Range  Laminated white dolomitic limestone, 50 feet or less, interbedded in middle and upper parts of section  Light to dark gray limestone, heavier below, in places thin bedded and slabby above. Fossils rare  Total thickness of formation 3,000 s fee  In Pioche Hills rusty-weathering siliceous dolomite overlain by cherty limestone, total 100 feet, about 1,200 fee above base of formation
		Chisholm shale		Yellow or ved-brown argillaceous shale, with interbedded layers of limestone. Fossils abundant. 180 feet
		Lyndon		Heavy-bedded limestone, upper half light gray, lower half dark gray. 400 feet CC
	Lower Cambrian	Proche		Yellow or brown, varely red micaccons shale, with much interbedded limestone and some interbedded sandston sparsely fessiliferous. (For detail, see figure 5.) 1.114 feet  Cp
		Prospect Mountain quantzite	V 7	Light to dark red vitreous sandstone or quartile, in places well bedded with shale partings; thicker bedded a top. 1,500 \$\pm\$ feet  Cpm



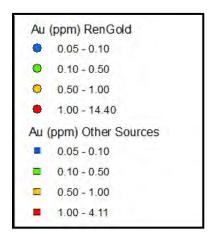
#### GOLD - DISTRICT SCALE

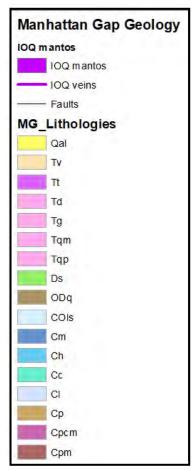
- Au values range from detection limit to 14.4 ppm
- 1 ppm Au values occur in iron-oxide quartz + sulfide fissures and mantos
- Highest Au values occur along eastwest break in the range at Manhattan Gap and Arizona Peak

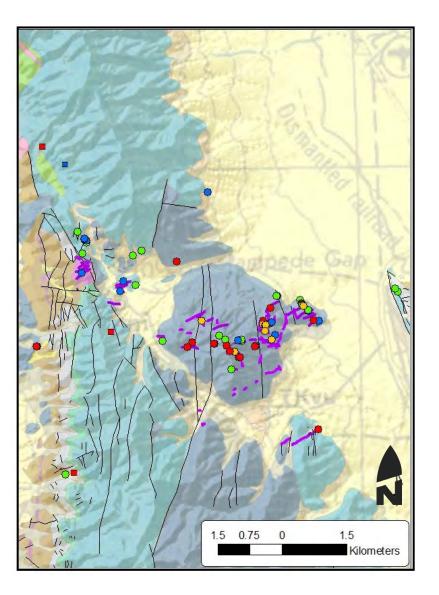




**GOLD - PROJECT SCALE** 



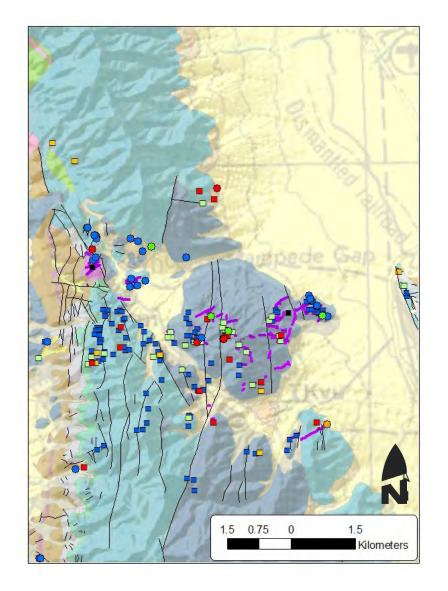






#### SILVER

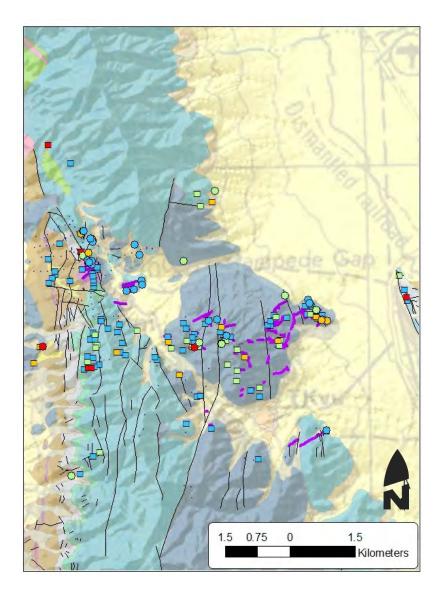
# Ag (ppm) RenGold 1.00 - 20.00 20.00 - 50.00 50.00 - 100.00 100.00 - 649.60 Ag (ppm) Other Sources 1.00 - 20.00 20.00 - 50.00 50.00 - 100.00 100.00 - 2208.00





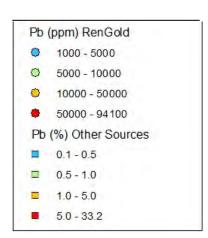
#### COPPER

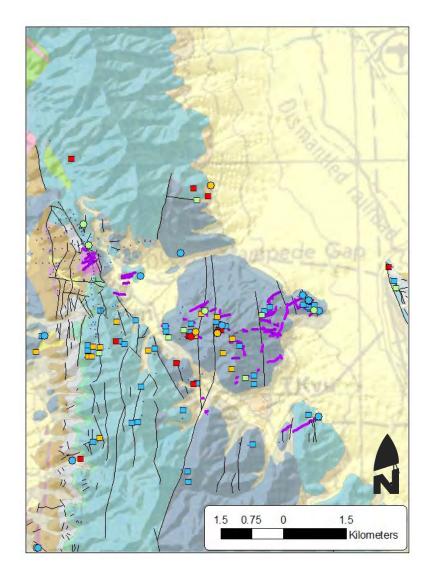
## Cu (ppm) RenGold 100 - 1000 1000 - 2000 2000 - 5000 5000 - 129490 Cu (%) Other Sources 0.01 - 0.10 0.10 - 0.20 0.20 - 0.50





#### LEAD







#### ZINC

Zn (ppm) RenGold

1000 - 2000

2000 - 5000.

5000 - 10000

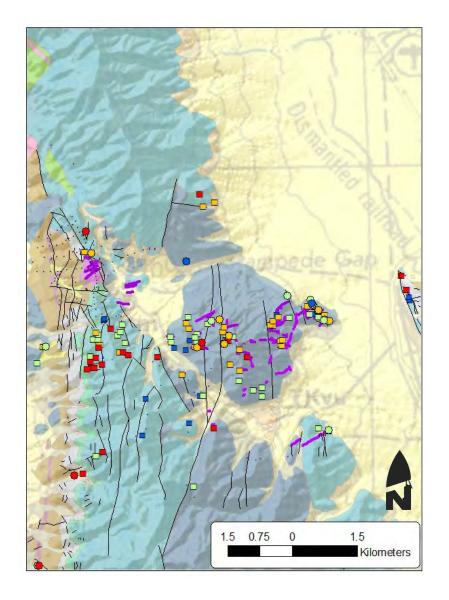
10000 - 195800

Zn (%) Other Sources

0.10 - 0.20

0.20 - 0.50

1.00 - 16.80





#### **District Scale Zoning**

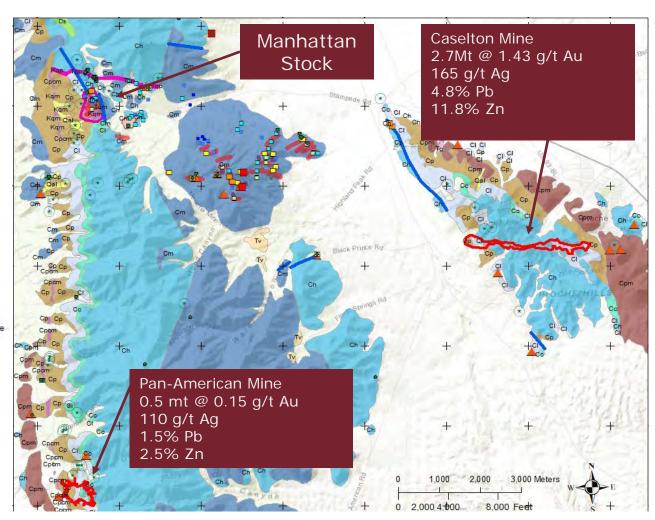
#### RenExRocks

#### Ag\_ppm

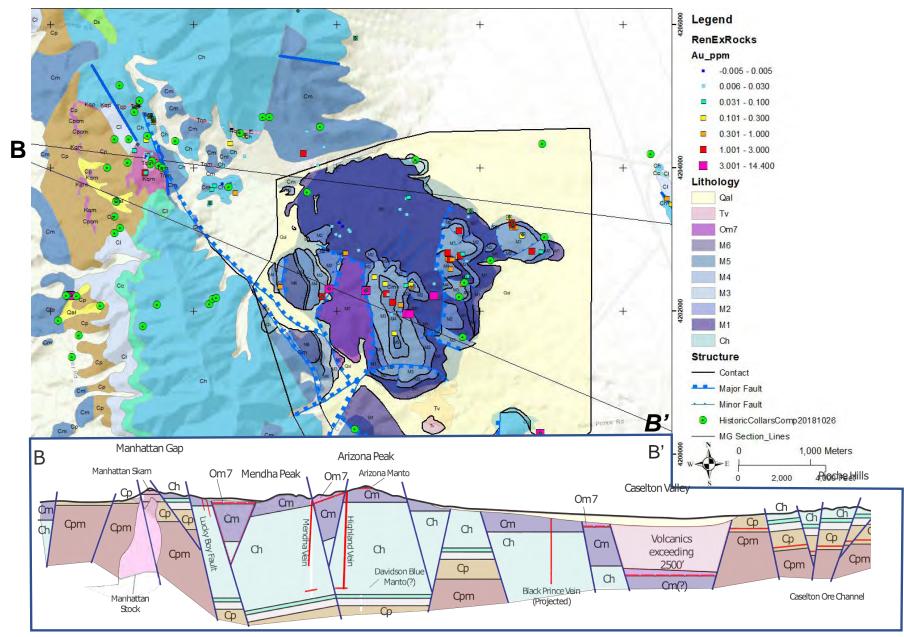
- -0.1 0.1
- 0.2 1.0
- **1.1 10.0**
- 10.1 30.0
- 30.1 100.0
- **=** 100.1 300.0
- 300.1 1283.0

#### MG\_Lithologies

- Quaternary Alluvium
- Tv Tertiary Volcanics Undifferentiated
- Ta Tertiary Intrusive
- Cretaceous Intrusive
- Ds Devonian Undifferentiated Dolomite/Limestone
- ODq Odrovican Undiffierentiated Quartzite
- COIs Odrovican Undiffierentiated Limestone
- Cm Mendha Limestone
- Ch Highland Peak Formation
- Co Chisholm Shale
- CI Lyndon Limes tone
- Cp Pioche Shale
- Cpcm Pioche Combined Metals Member
- Cpm Prospect Mountain Quartzite









- Manto developed in Mendha karst horizons at top of Arizona Peak
  - 2.3 ppm Au, 122 ppm Ag, 2.5% Pb, 0.6% Zn
- No known drilling targeting the Cambro-Ordovician unconformity down dropped just to the west







### **Gold in Rock Chips**

GOLD IN ARGILLICALLY ALTERED AND WEAKLY SILICIFIED DIKE



### **Gold in Rock Chips**

**GOLD IN QUARTZ VEINLETS** 

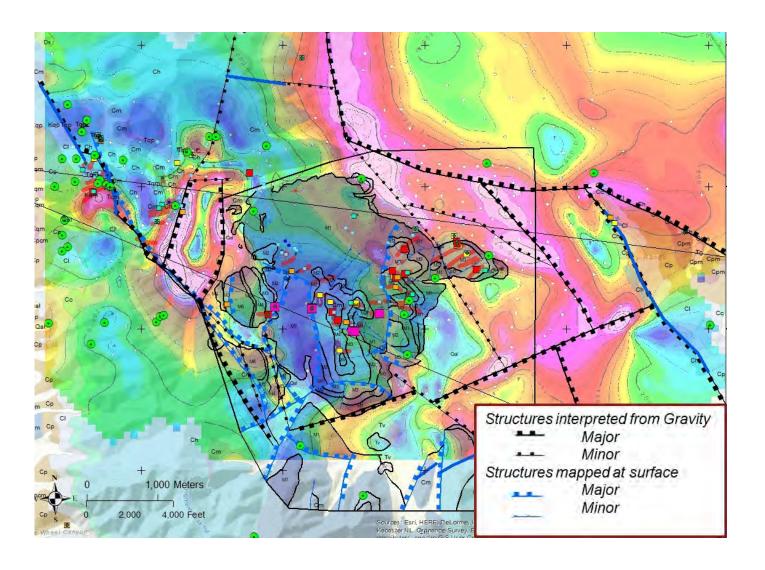


### **Gold In Rock Chips**

#### GOLD IN JASPEROID WITH QUARTZ VEINLET CLASTS

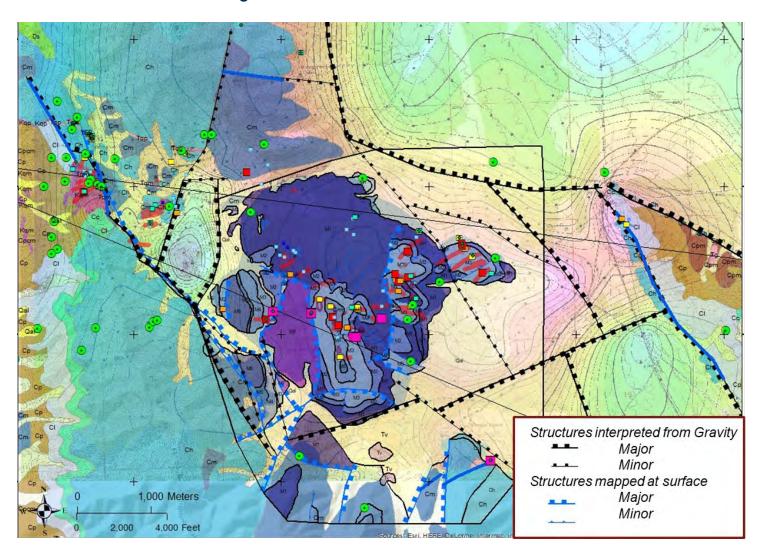


#### **Total Horizontal Gradient**



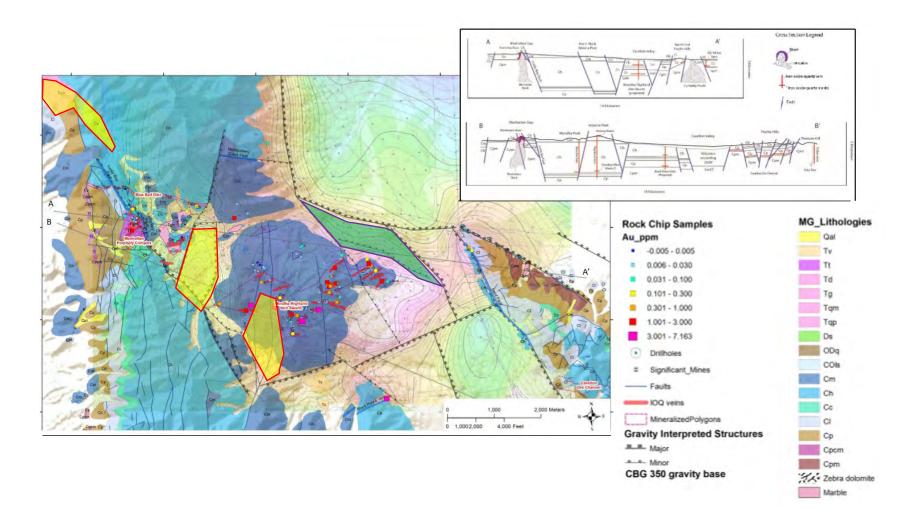


## **Residual Gravity**



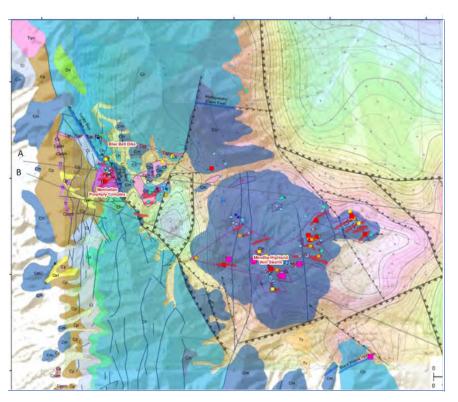


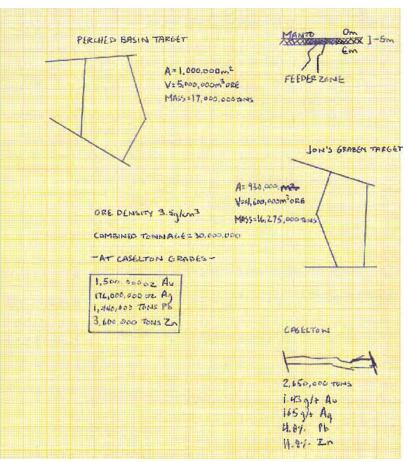
### Geologic Map & Cross Sections





## **CRD** Target Potential Calculation



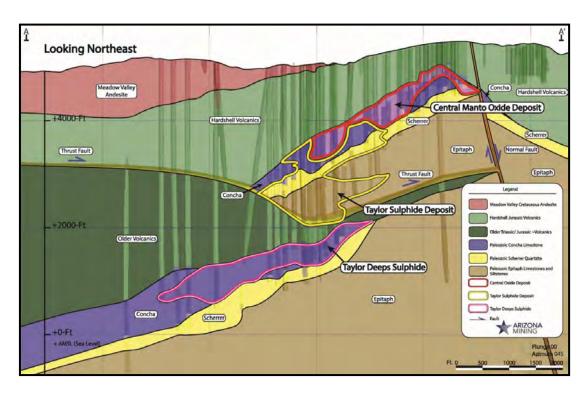




#### **Recent Taylor Deposit Discovery**

#### PATAGONIA, AZ

- Largest carbonate replacement deposit in the US at 14.6 million tons combined Pb-Zn and 212 million oz Ag
- Occurs in known base-metal district intermittently explored and mined for more than a hundred years
- Contiguous with, and occurs at greater depths, than shallow oxidized Mn-Ag-Zn mineralization
- Part of district-scale zoning from peripheral Mn carbonates/oxides to proximal Mn silicates and skarn
- Points to exploration potential of old CRD districts that have not been tested at depth with modern
- exploration techniques



Hermosa Property 43-101 Jan 16, 2018

### **Summary**

- Gold-rich targets in historically mined Ag-Pb-Zn carbonate replacement deposits (CRD) of the Pioche District
- Gold concentrated in Cambrian Mendha Fm.
- Possible controls related to C-O unconformity
- Several stratigraphic target horizons exist
- Recent success at Taylor, AZ points to size and exploration potential of CRD districts



## O R O G E N

#### Contact

Paddy Nicol President & CEO paddy@orogenroyalties.com

Bob Felder Senior VP bob@orogenroyalties.com

Dan Pace Exploration Manager dan@orogenroyalties.com

TSX.V:OGN

OROGENROYALTIES.COM

info@orogenroyalties.com