



**MIRASOL RESOURCES LTD**

*Focused on Gold and Silver  
Discovery in the Americas*

# La Curva Project May, 2017

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# MIRASOL RESOURCES

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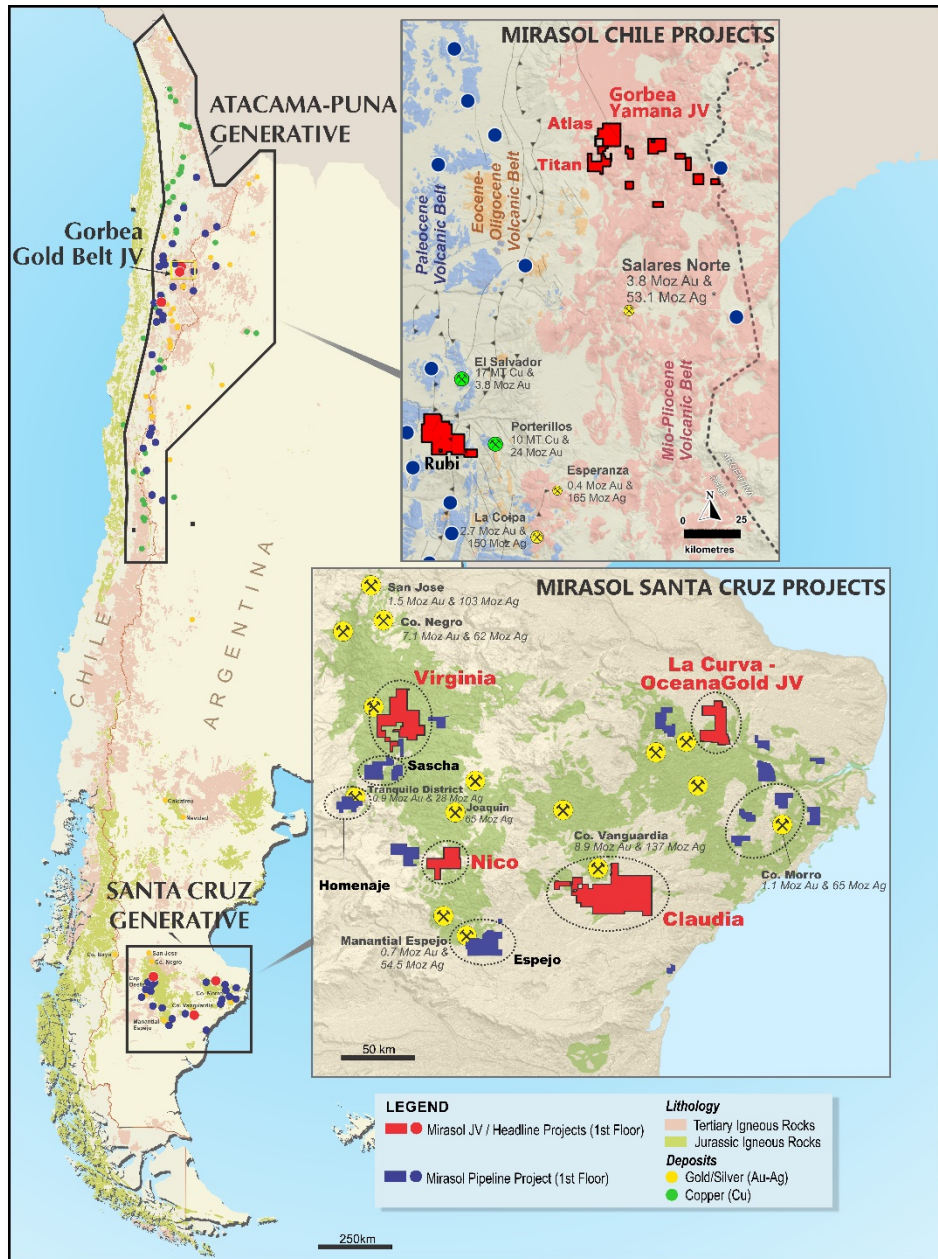
This presentation may use the term “indicated resource”. The Company advises investors that although this term is recognized and required by Canadian securities regulations (under National Instrument 43-101 “Standards of Disclosure for Mineral Projects”), however the US Securities and Exchange Commission does not recognize this term. Investors are cautioned not to assume that any part of or all of the mineral deposits in these categories will ever be converted into reserves.

Stephen Nano, President and CEO for the Company and a “Qualified Person” under National Instrument 43-101, has reviewed and approved the scientific and technical information in this presentation.

# Santa Cruz Gold – Silver Portfolio: La Curva OceanaGold JV



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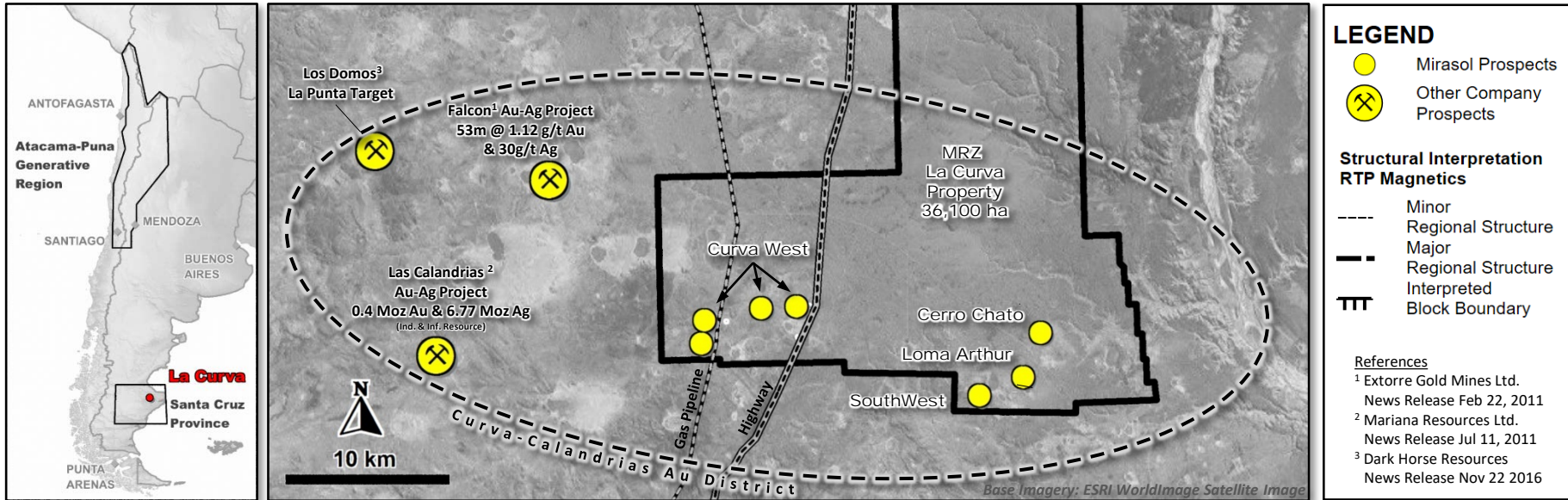


- Mirasol Resources has a large portfolio of high quality, 100% owned, drill ready gold - silver projects in Santa Cruz province, Argentina
- La Curva gold - silver project → Joint Ventured to OceanaGold 18<sup>th</sup> May 2017
  - Targeting high grade, low sulphidation epithermal gold - silver mineralization
  - Compelling drill ready targets defined at La Curva prospects, Cerro Chato, Lomo Arthur and Southwest
  - First year OceanaGold JV commitment of US\$ 1.25M in exploration spend, including 3,000 meters of drilling

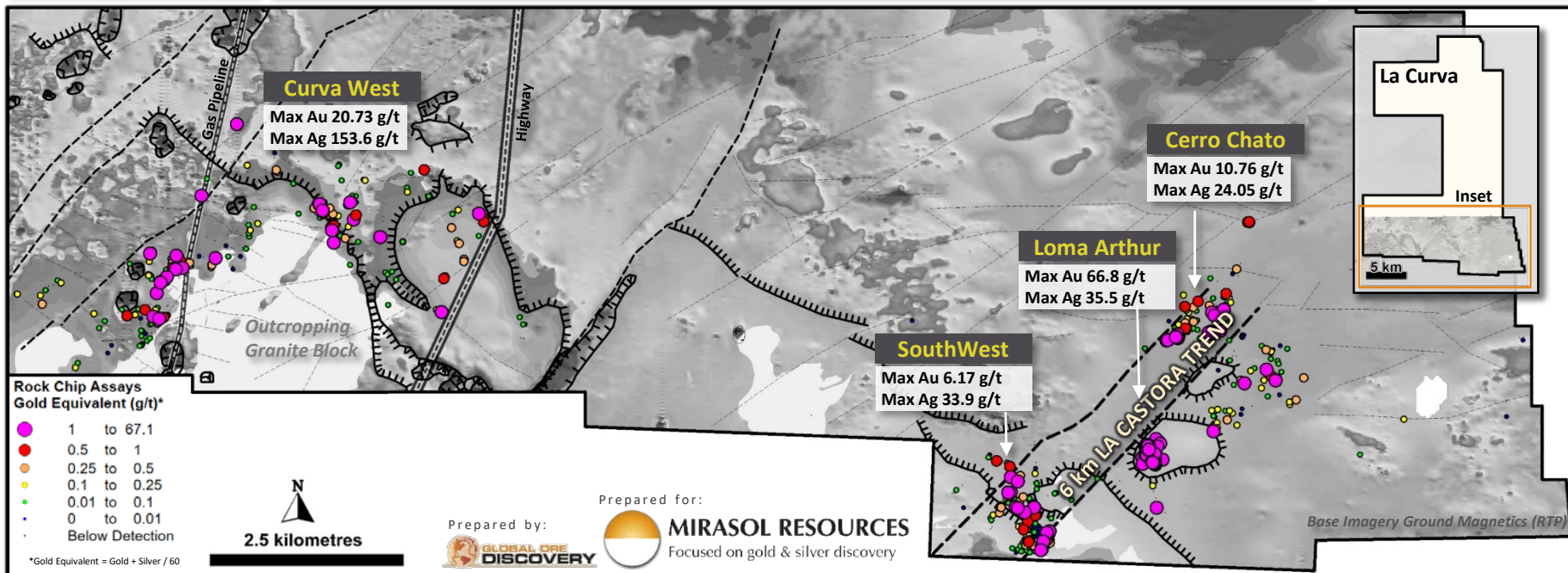
→ Santa Cruz province, Jurassic age volcanic terrain

- World class high grade gold - silver epithermal district
- Four operating large scale gold - silver mines and additional new mine development

# La Curva – Gold - Silver Project Overview



- 36,100 hectares of mineral exploration claims
- Low altitude setting, favourable infrastructure with a sealed highway and gas pipeline traversing the project
- Mirasol discovery – no previous drilling
- Widespread evidence of gold – silver mineralization confirmed
- Drill ready targets defined: Cerro Chato, Lomo Arthur and Southwest along 6 km long La Castora Gold Trend
- Additional prospects identified in La Curva West that require further exploration to identify new drill targets



# La Curva Gold – Silver Project: Geological Setting

- Prospective geology – Horst and Graben extensional setting for Jurassic age volcanism and mineralization
- Mineralization associated with rhyolite to dacite volcanic domes and dykes, hosted within La Matilda epiclastic sediments and Chon Aike ignimbrite sequence
- Gold - silver mineralization in low sulphidation epithermal veins, sheeted veinlets and breccias, with multiple rock chip assays in the 5.0 to 66.8 g/t Au range.

## Legend

### Jurassic Volcanic & Sub-volcanic

- Vein floats
- Hydrothermal Breccia
- Tectonic Breccia
- Poly lithic Breccia

### Matilde

- Laminated/Massive Tuff & fine ash tuffs
- Silica deposits (sinters)
- Devitrified rhyolitic ignimbrites
- Graded units (Politic conglomerates to sandstones)
- Epiclastic poly lithic breccias (distal facies)
- Epiclastic poly lithic breccias (proximal facies)
- Acid dikes/sills/flow
- Intermediate dikes/flows
- Brecciated ignimbrites with glassy rhyolitic clasts
- Brecciated tuffs with flow banded clasts
- Lapillitic rhyolite ignimbrites
- Rhyolite dome facies

### Chon Aike

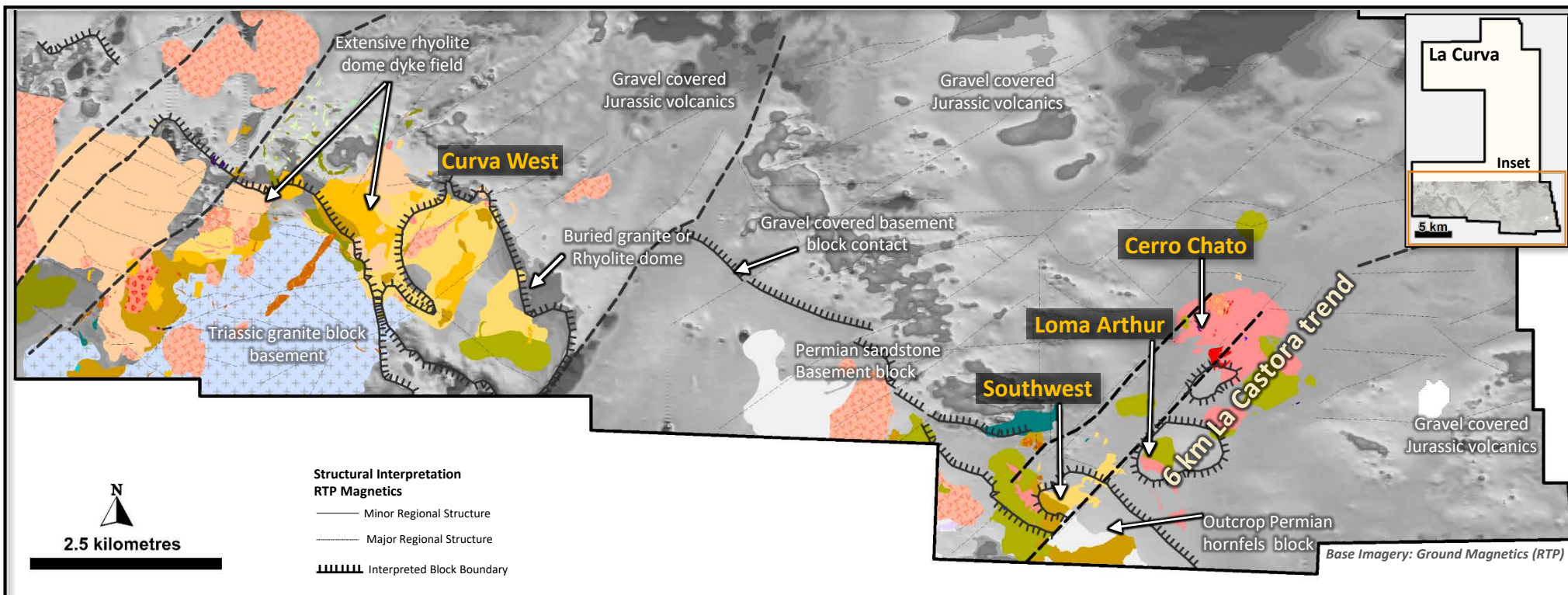
- Glass shards rich welded tuffs
- Obsidian rich ignimbrites
- Welded pumice-lithic rich ignimbrites/tuffs
- Lithic-crystal lapillitic tuffs (magnetic clasts)
- Crystal rich tuffs/ignimbrites

### Bajo Pobre?

- Intermediate lithic-crystal coarse tuffs (non-welded)
- Andesitic poly lithic breccias

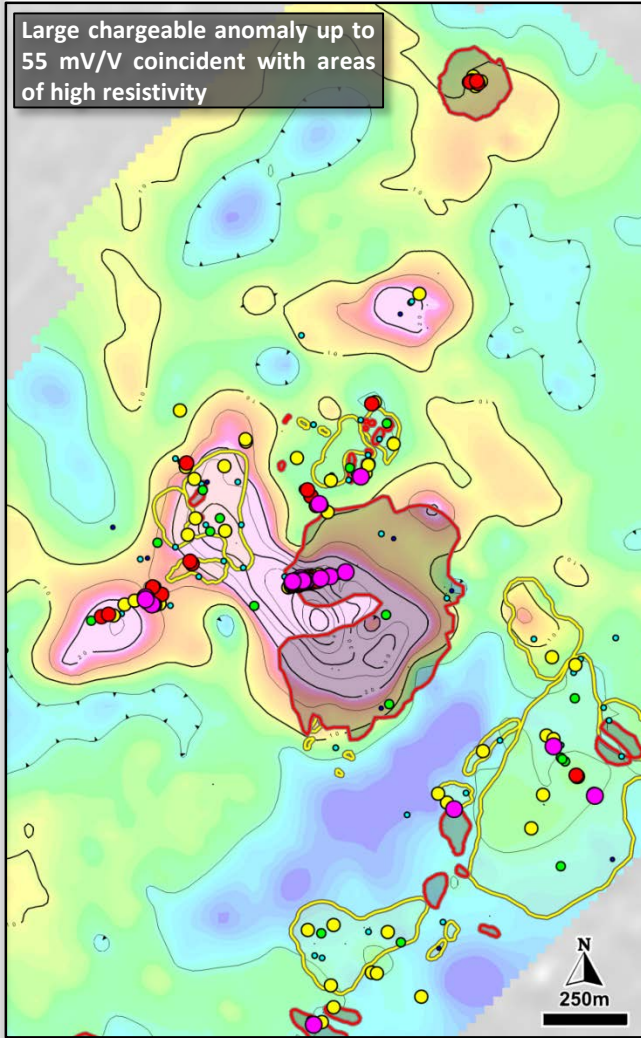
### Basement

- Granite (La Leon Fm)
- Permian Quartz Sandstones (Juanita Fm?)

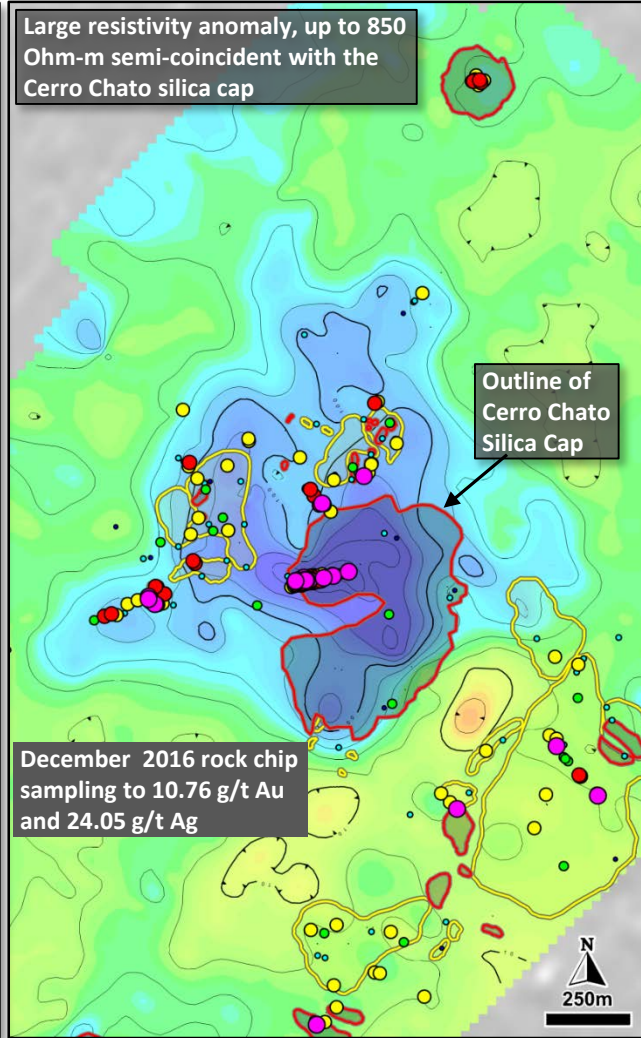


# La Curva – Cerro Chato Prospect, Targeting

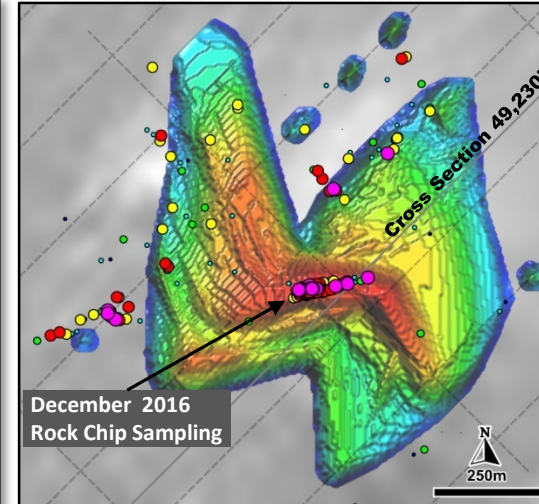
IP Chargeability : Depth Slice - 50m



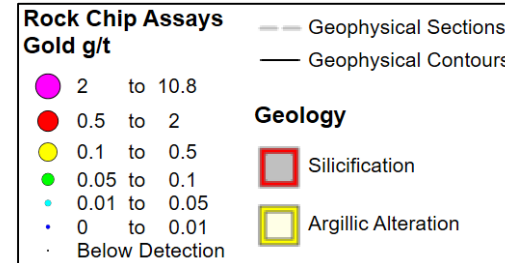
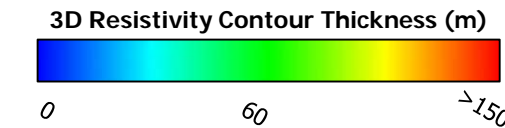
IP Resistivity : Depth Slice - 50m



Contour Thickness of the 3D Resistivity Anomaly



3D resistivity thickness model. Thickest area of model (in red) at +100 Ohm-m Highlights sigmoidal shape resistivity anomaly



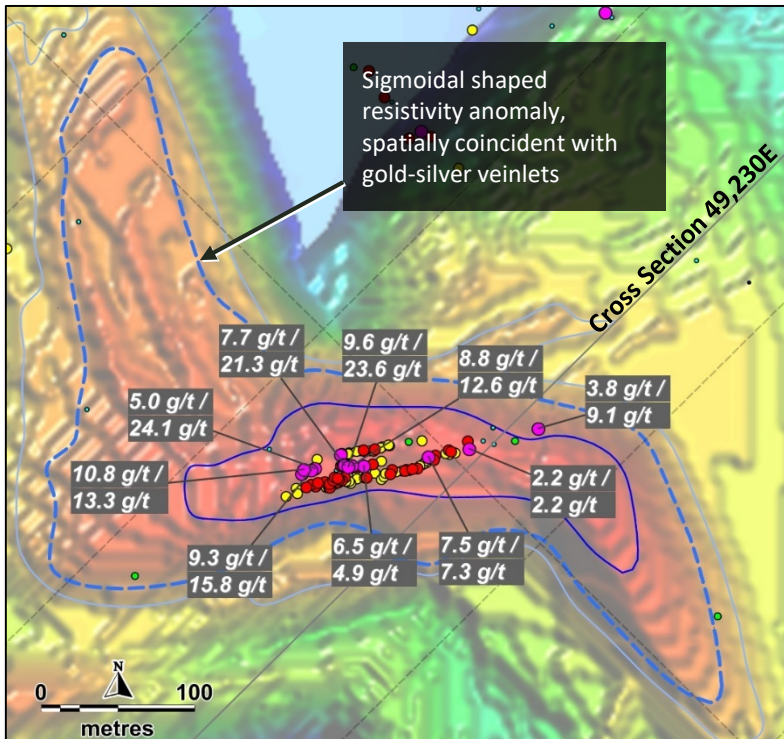
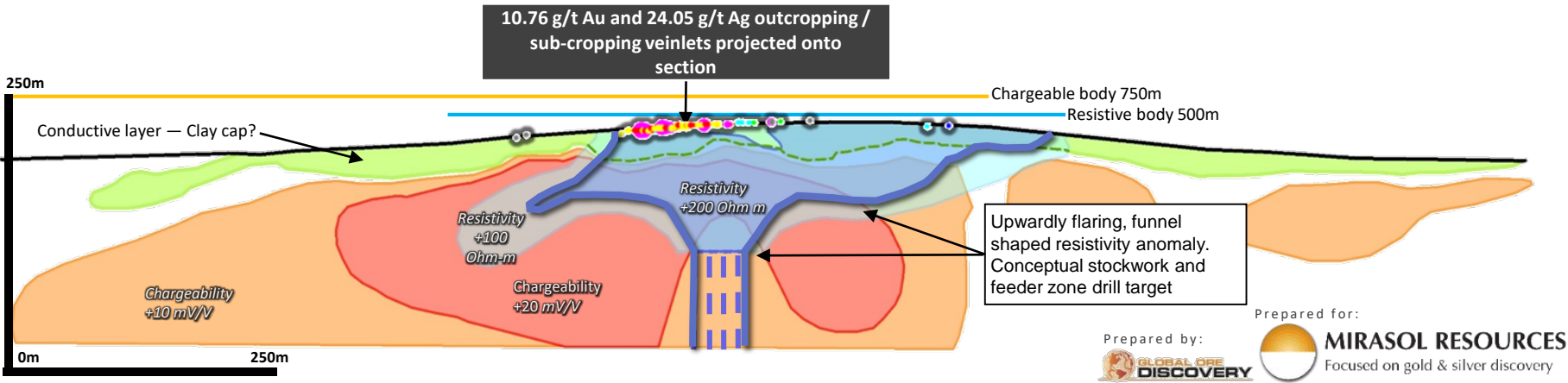
- Large silica cap crosscut by 300m long zone of sheeted epithermal veinlets
- Rock chip assays up to 10.76 g/t Au and 24.05 g/t Ag
- Extensive, coincident IP resistivity and IP chargeability anomalies underlie silica cap
- Compelling drill target for bulk mineable gold-silver mineralization

**Cerro Chato**  
**Gold - Silver Rock Chip Assays**  
 Total samples = 232

|            | Au g/t       | Ag g/t |
|------------|--------------|--------|
| Max        | 10.76        | 24.05  |
| Min        | <0.01        | <2     |
| Average    | 0.85         | 1.9    |
| Au Assays  | % of samples | Au g/t |
| 69 Samples | 29.7%        | > 0.5  |
| 41 Samples | 17.7%        | > 1.0  |
| 22 Samples | 9.5%         | > 2.0  |
| 11 Samples | 4.7%         | > 5.0  |
| 1 Sample   | 0.4%         | > 10.0 |
| Ag Assays  | % of samples | Ag g/t |
| 84 Samples | 36.2%        | > 2.0  |
| 51 Samples | 22.0%        | > 3.0  |
| 29 Samples | 12.5%        | > 5.0  |
| 16 Samples | 6.9%         | > 10.0 |
| 8 Samples  | 3.4%         | > 15.0 |

# La Curva – Cerro Chato Prospect, Cross Section Model

Cross Section 49,230E : Exploration Target from 3D Geophysical Model



**Rock Chip Assays**

**Gold g/t**

- 2 to 10.8
- 0.5 to 2
- 0.1 to 0.5
- 0.05 to 0.1
- 0.01 to 0.05
- 0 to 0.01
- Below Detection

**Label:**

|            |            |
|------------|------------|
| 10.8 g/t / | Gold g/t / |
| 13.3 g/t / | Silver g/t |

**IP Resistivity Model**

**Thickness Contours**

- Contour 120 m
- Contour 90 m
- Contour 80 m
- Geophysical Sections



Colloform banded epithermal veinlet cross cutting the Cerro Chato silica

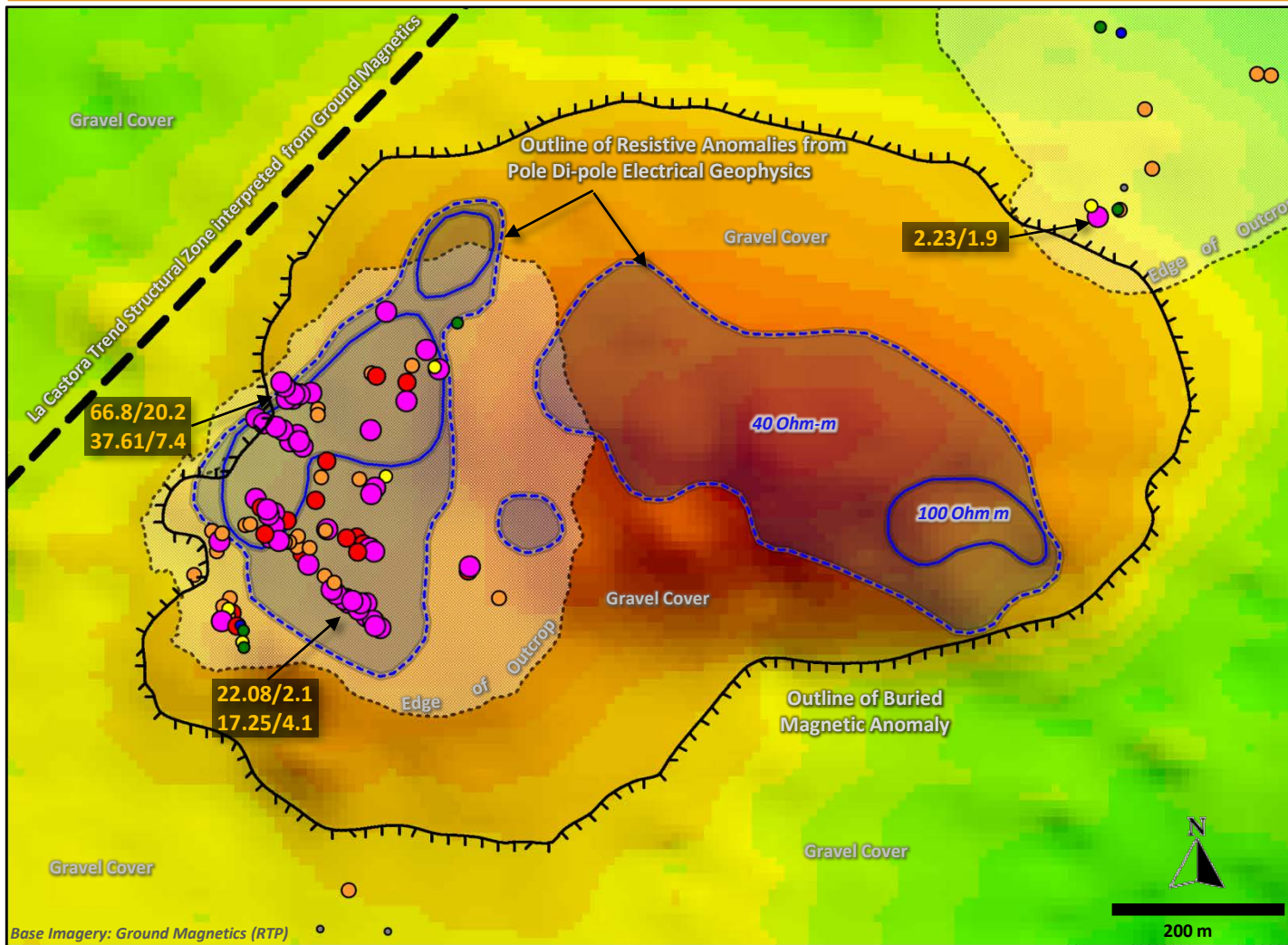


Cerro Chato silica cap, formed from Silica – clay altered laminated (waterlain?) volcanic ash. Not mineralized

- The Cerro Chato silica cap is composed of barren strongly silicified, laminated volcanic ash.
- December 2016 prospecting outlined a 300 m by 55 m zone of east-northeast oriented colloform banded epithermal veinlets. The veinlets are up to 20 cm wide, form three veinlet trends and have returned assays up to 10.76 g/t Au and 24 g/t Ag.
- The veinlet trends overlie a large sigmoidal shaped resistivity anomaly and may represent “geochemical leakage” from a concealed mineralized zone underlying the silica cap.

→ A priority target for drill testing

# La Curva – Loma Arthur Prospect



- 400 meter diameter hill of altered volcanics, surrounded by thin gravel cover
  - Multiple epithermal vein trends traverse the hill
  - Rock chip samples of sub-meter wide veins assayed up to 66.8 g/t Au and 35.5 g/t Ag
  - 1 km diameter, gravel covered magnetic anomaly may represent covered volcanic dome
- Priority drill target for high grade gold mineralization on the margin of buried volcanic dome

### Loma Arthur Gold - Silver Rock Chip Assays

Total samples = 100

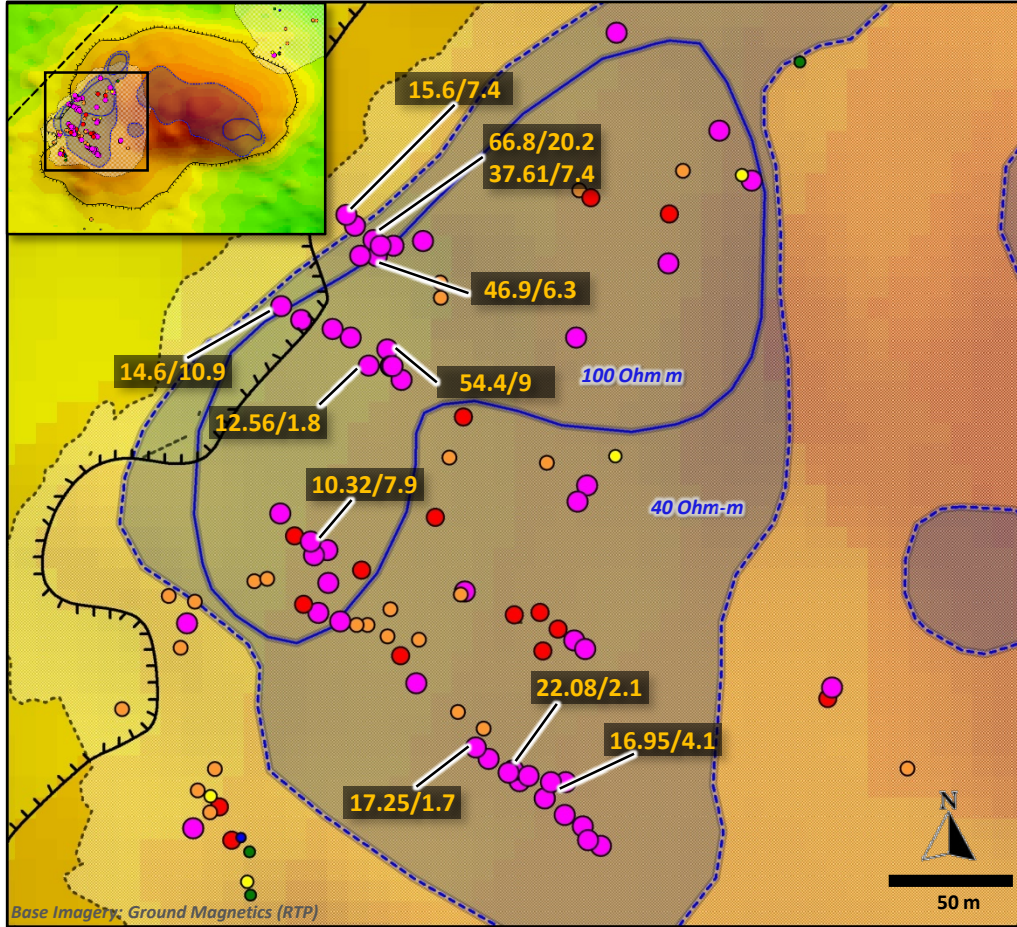
|            | Au g/t       | Ag g/t |
|------------|--------------|--------|
| Max        | 66.8         | 35.5   |
| Min        | 0.008        | <0.5   |
| Average    | 4.85         | 2.15   |
| Au Assays  | % of samples | Au g/t |
| 67 Samples | 67%          | > 0.5  |
| 53 Samples | 53%          | > 1.0  |
| 35 Samples | 35%          | > 2.0  |
| 21 Samples | 21%          | > 5.0  |
| 14 Samples | 14%          | > 10.0 |
| Ag Assays  | % of samples | Ag g/t |
| 26 Samples | 26.0%        | > 2.0  |
| 16 Samples | 16.0%        | > 3.0  |
| 11 Samples | 11.0%        | > 5.0  |
| 4 Samples  | 4.0%         | > 10.0 |
| 2 Samples  | 2.0%         | > 15.0 |

| Rock Chip Assays by Gold Equivalent* (g/t) |                   | Labelled Rock Chip Assays |                           |
|--|-------------------|---------------------------|---------------------------|
| ● 1 to 67.2                                | ● 0.015 to 0.05   | 66.8/20.2                 | Gold (g/t) / Silver (g/t) |
| ● 0.5 to 1                                 | ● 0.0 to 0.015    |                           |                           |
| ● 0.1 to 0.5                               | ● Below Detection |                           |                           |
| ● 0.05 to 0.1                              |                   |                           |                           |

\*Gold Equivalent = Gold + Silver / 60



# La Curva – Loma Arthur Prospect



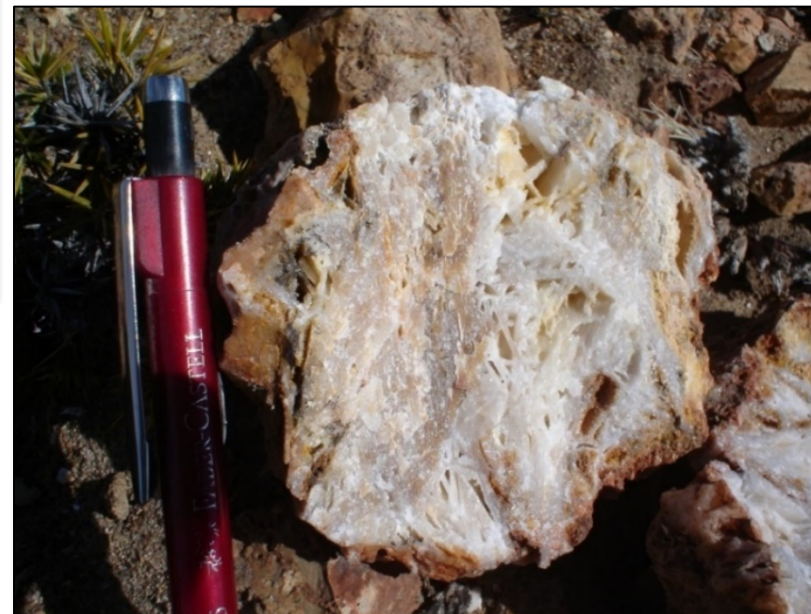
## Rock Chip Assays by Gold Equivalent\* (g/t)

- 1 to 67.2
- 0.5 to 1
- 0.1 to 0.5
- 0.05 to 0.1
- 0.015 to 0.05
- 0.0 to 0.015
- Below Detection

## Labelled Rock Chip Assays

66.8/20.2  
 Gold (g/t) / Silver (g/t)

\*Gold Equivalent = Gold + Silver / 60



- Widespread, high grade gold-silver mineralization in sub-meter wide epithermal vein trends
- Classic low sulphidation veining with colloform banded and bladed lattice texture
- Petrology shows veins composed of quartz-adularia with native gold and electrum

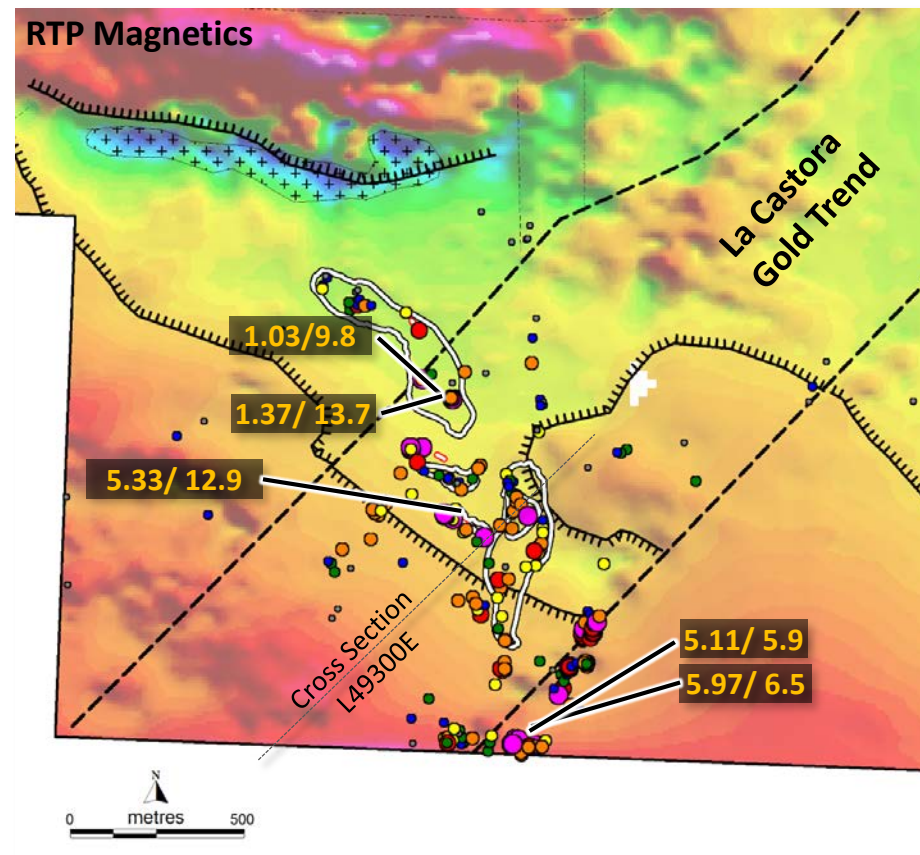
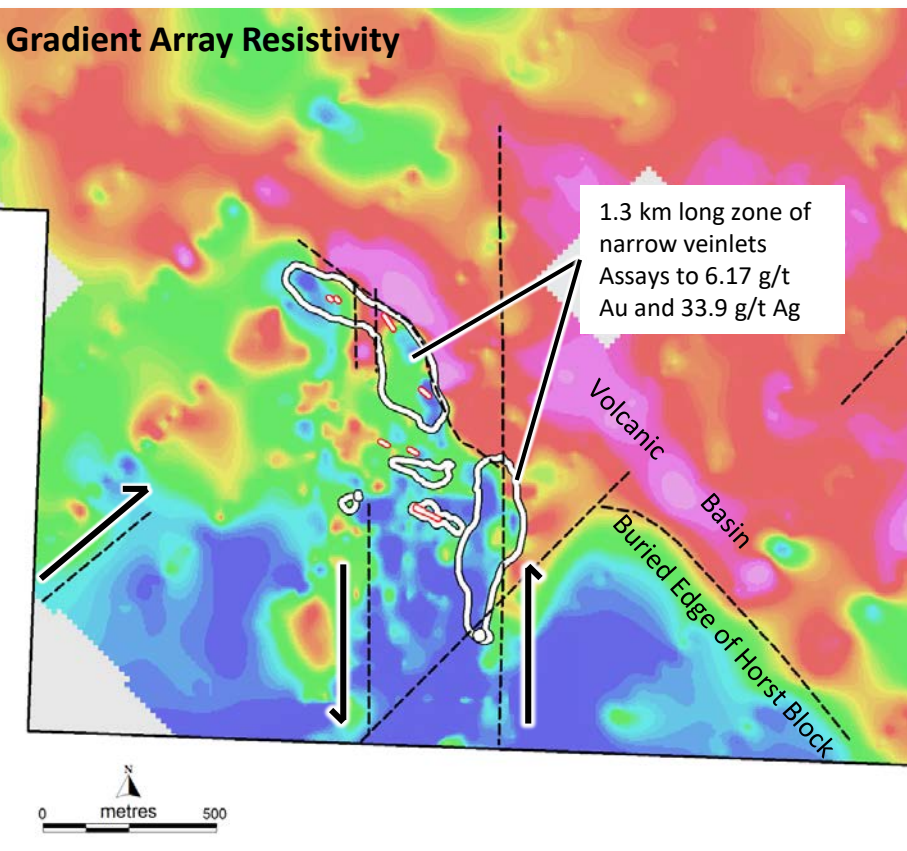
# La Curva – Southwest Prospect



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- 1.3 km long zone of subcropping and outcropping epithermal veinlets with selective rock chip assays to 6.17 g/t Au and 33.9 g/t Ag
- Hosted by silicified rhyolite-ignimbrite and epiclastic sediments
- Gradient array, electrical geophysics and ground magnetics show prospective structural setting localized over the buried structural edge of basement horst block and volcanic graben.



## Southwest Gold - Silver Rock Chip Assays

Total samples = 214

|         | Au g/t | Ag g/t |
|---------|--------|--------|
| Max     | 6.17   | 33.9   |
| Min     | <0.01  | <0.5   |
| Average | 0.38   | 2.67   |

| Au Assays  | % of samples | Au g/t |
|------------|--------------|--------|
| 37 Samples | 17.3%        | > 0.5  |
| 20 Samples | 9.3%         | > 1.0  |
| 10 Samples | 4.7%         | > 2.0  |
| 3 Samples  | 1.4%         | > 5.0  |
| 0 Samples  | 0.0%         | > 10.0 |

| Ag Assays  | % of samples | Ag g/t |
|------------|--------------|--------|
| 37 Samples | 29.0%        | > 2.0  |
| 20 Samples | 25.2%        | > 3.0  |
| 10 Samples | 16.4%        | > 5.0  |
| 3 Samples  | 7.9%         | > 10.0 |
| 8 Samples  | 3.7%         | > 15.0 |

### Rock Chip Assays

AuEq60 (g/t)\*

|              |                 |
|--------------|-----------------|
| 1.00 to 6.31 | 0.015 to 0.05   |
| 0.50 to 1.00 | 0.0 to 0.015    |
| 0.25 to 0.50 | Below Detection |
| 0.10 to 0.25 |                 |

### Labelled Rock Chip Assays

Gold (g/t) / Silver (g/t)

5.33/12.9

\* Gold Equivalent = Gold + Silver / 60

### Gradient Array Interpretation

|                         |
|-------------------------|
| --- Transition Boundary |
| — Outcropping Vein      |
| ▭ Mineralized Zone      |

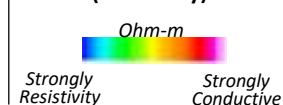
### Magnetic Interpretation

|                     |
|---------------------|
| ▨ Magnetic Low Zone |
| ▭ Deflation Zone    |

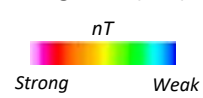
### Structural Interpretation RTP Magnetics

|                              |
|------------------------------|
| — Minor Regional Structure   |
| — Major Regional Structure   |
| ▨ Interpreted Block Boundary |

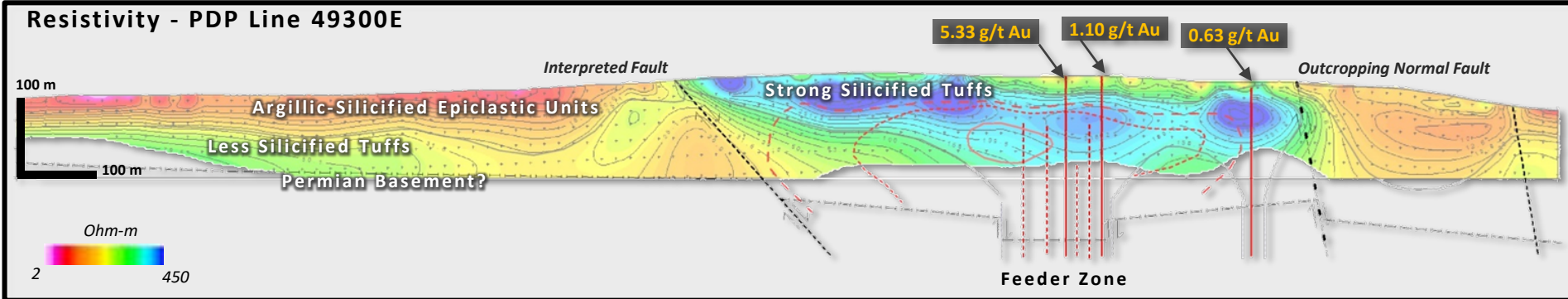
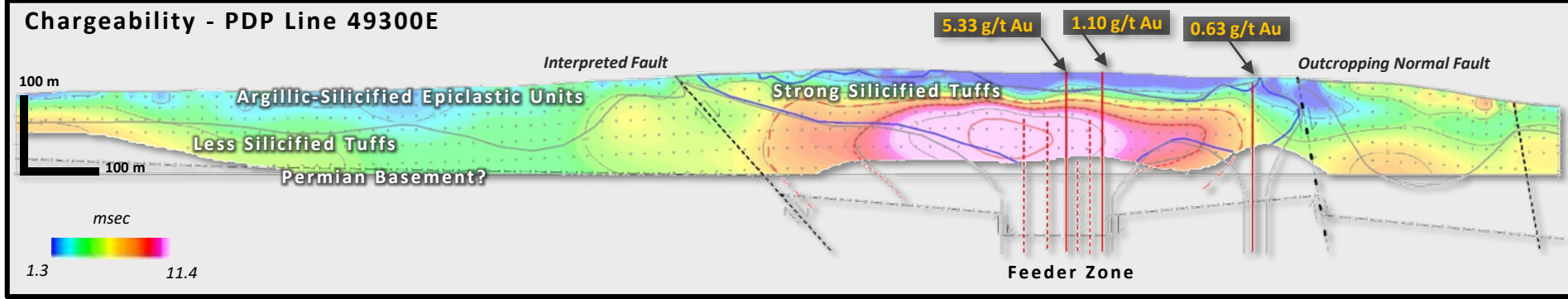
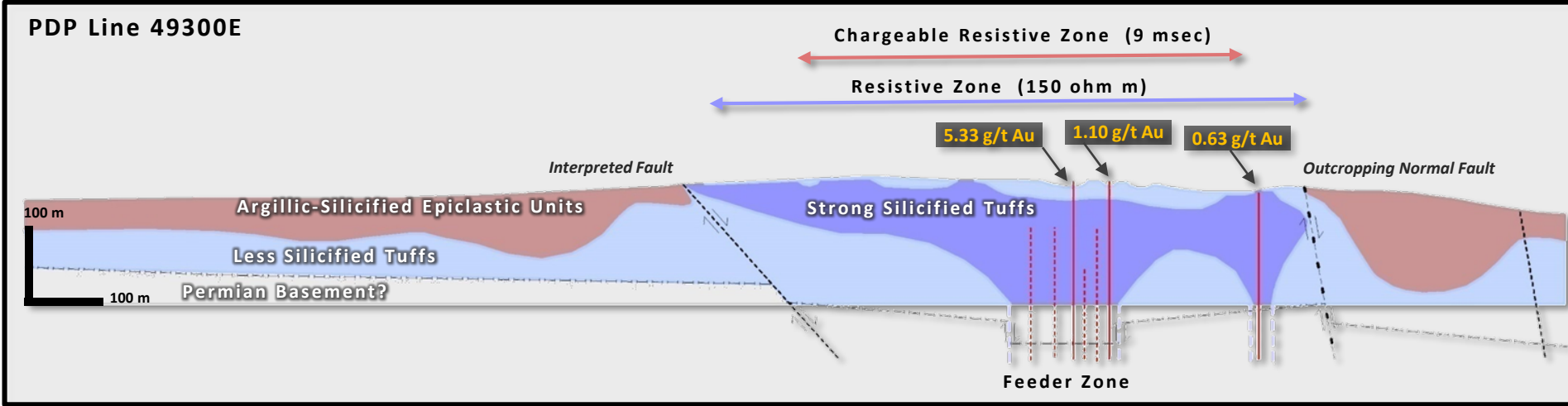
### Gradient Array (Resistivity)



### Ground Magnetics (RTP)



# La Curva: Southwest Pole Dipole L49300E Section Model



- IP geophysics shows coincident funnel shaped resistivity and chargeability anomalies
  - Centered over buried fault zone that marks contact of basement horst block and volcanic graben
  - Epithermal veinlets sampled at surface may represent “leakage” from larger mineralized zone at depth, as suggested by IP anomalies
- Priority target for drill testing

# La Curva: Southwest Prospect Mineralization



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Parallel epithermal veinlets up to 10 cm wide (sheeted veins)  
crosscutting silicified rhyolitic tuff,  
Select rock chip samples assayed up to 5.33 g/t Au



Same structure as previous photo, banded  
chalcedonic silica veinlet (with adularia) in silicified  
crystal tuffs, assays to 3.10 g/t Au

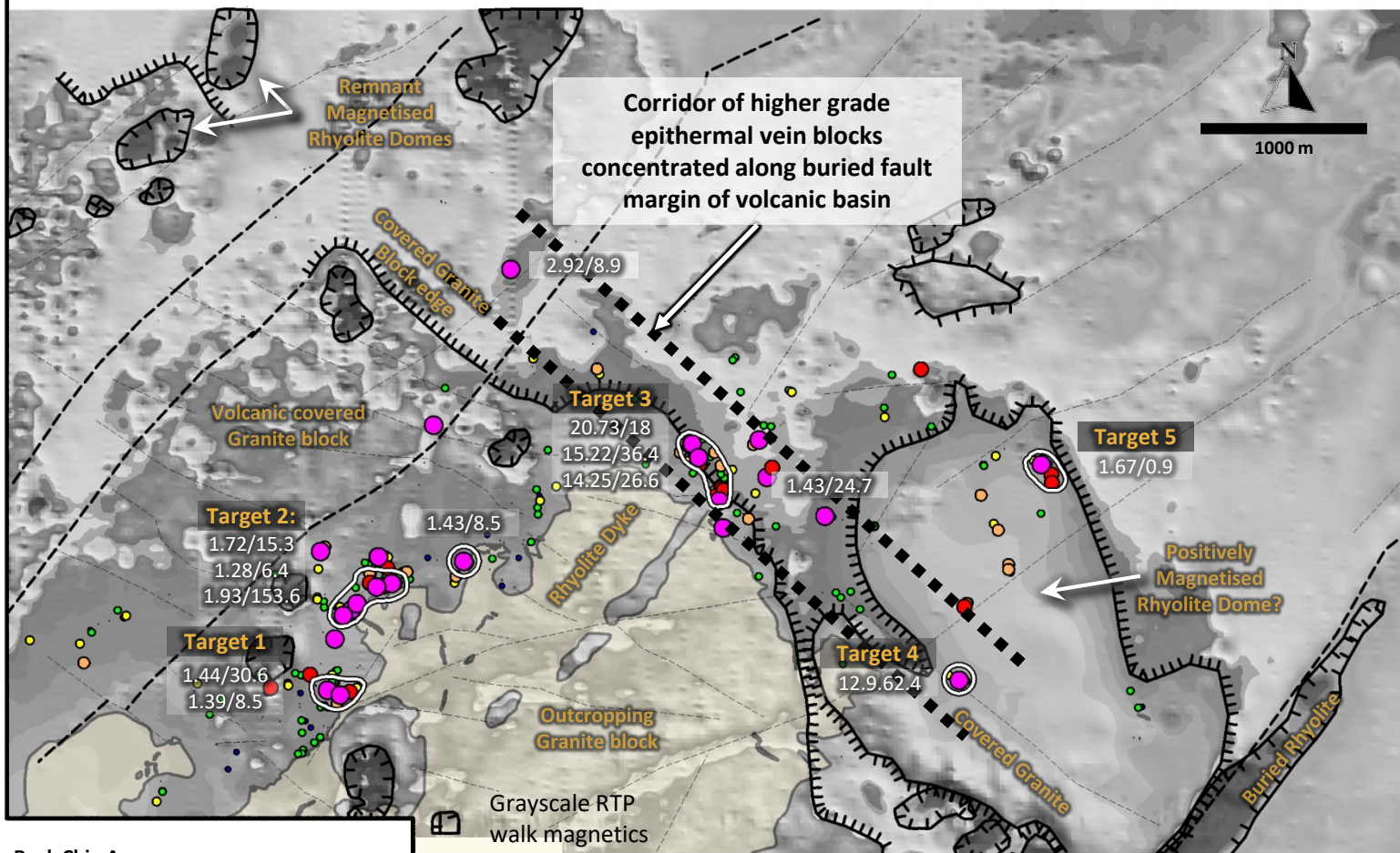


Crystal tuffs with banded chalcedonic silica veinlets  
with up to 15 cm thick, assays to 5.33 g/t Au

# La Curva: Curva West Prospect – Ground Magnetics and Rock Chip Assays



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**Rock Chip Assays**  
 Gold Equivalent g/t

- 1 to 67.1
- 0.5 to 1
- 0.25 to 0.5
- 0.1 to 0.25
- 0.01 to 0.1
- 0 to 0.01
- Below detection

**Labelled Rock Chip Assays**  
 Gold (g/t) Silver (g/t)  
 5.33/12.9

\*Gold Equivalent = Gold + Silver / 60

**Structural Interpretation**  
 RTP Magnetics

- Minor Regional Structure
- Major Regional Structure
- ||||| Interpreted Block Boundary

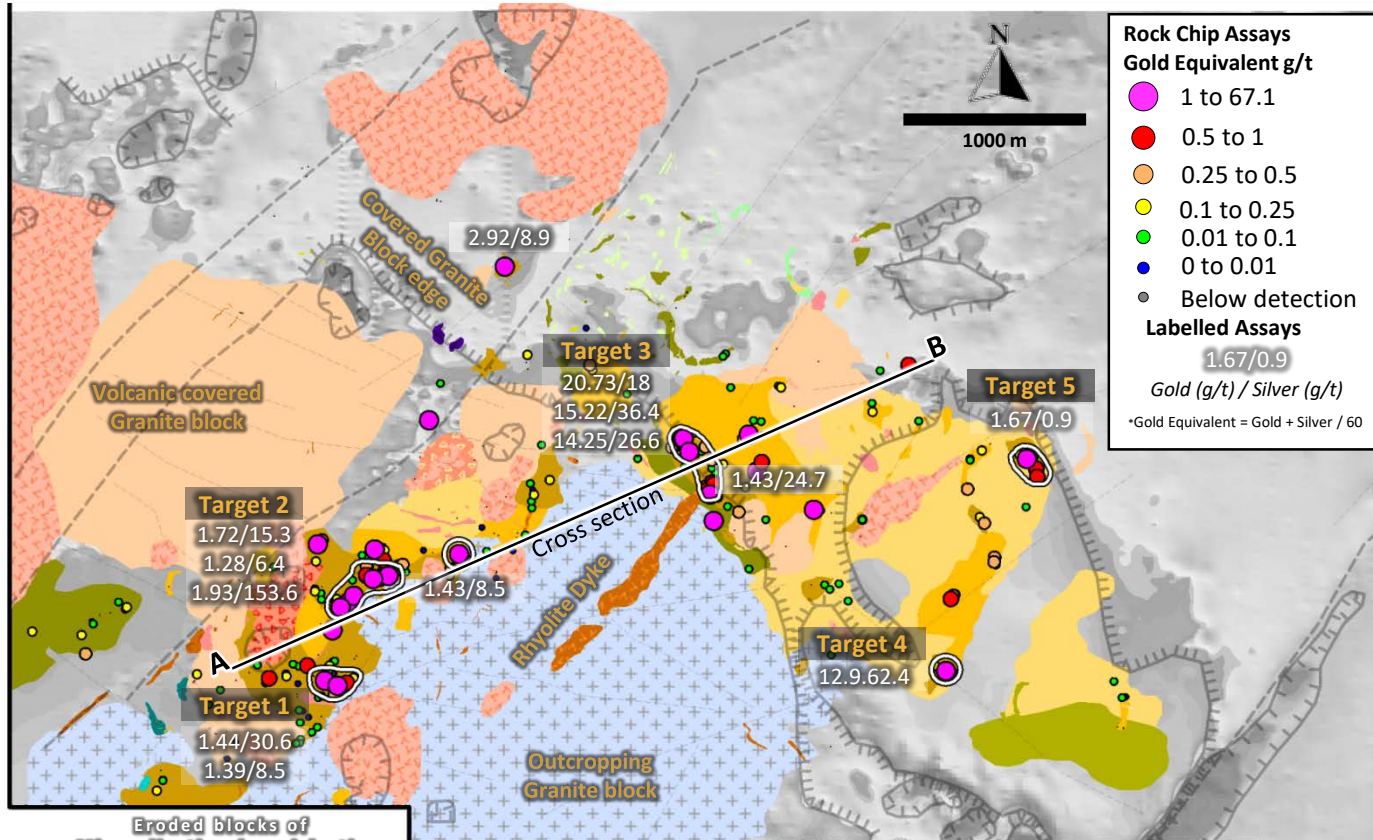
- Similar geological setting to La Castora Gold Trend
- Combination of geological mapping and detailed ground magnetics shows partially outcropping granite basement fault block and Jurassic age volcanic basin
- Large blocks of low sulphidation epithermal veins and breccias hosted within the Jurassic age epiclastic sediments
- Rock chip samples of mineralized blocks return assays of up to 20.7 g/t Au and 18 g/t Ag
- Mineralized blocks are angular and cluster together adjacent to rhyolite flow dome margins or overlie the buried fault controlled volcanic basin margin, suggesting they are close to the source area of the mineralization

→ Further exploration required to define drill targets for high grade epithermal gold-silver mineralization

# La Curva: Curva West Prospect – Geology and Exploration Model



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- Fault controlled Triassic age granite basement block (Horst) with Jurassic age volcanic basin (Graben)
  - Eroded blocks of high grade epithermal mineralization within epiclastic sediment overlying Jurassic volcanics
  - Blocks of epithermal mineralization up to 5 meters in size, cluster around volcanic rhyolitic flow dome margins and overlying buried Horst block margin
  - The large size and angular shape of mineralized blocks suggests they are close to their source area of mineralization
- Prospective setting for concealed high grade gold-silver mineralization

