



TSX.V: AMO

EXPLORING LARGE-SCALE GOLD AND COPPER PROJECTS IN MONGOLIA

March 2013

WWW.ALTANRIO.COM



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ABOUT ALTAN RIO

- Established in 2006 with TSX.V listing in 2012
- Exploration in the world's premier resource destination: Mongolia
- ~15% Mongolia shareholders
- Top-level management and technical team
- Three projects currently totalling 153,310 hectares (378,837 acres)
- US\$6M invested assembling and exploring precious metal and copper projects in Mongolia
- **Copper and gold drill intercepts indicate a large new porphyry system at Chandman**
- **Recent gold discovery at Khavchuu**



PROVEN DISCOVERERS



- **John L.C. Jones, Chairman**
 - Perth-based with 40+ years of experience
 - Career involvement in four companies, leading to the **discovery of 4 deposits** and the **development of 8 mines**
 - Major shareholder & Director of **Troy Resources** - Currently operational **Casposo** (Argentina) and **Andorinhas** (Brazil) gold mines



- **Kelly Cluer, Director of Exploration**
 - 25+ years of experience
 - Involved in the successful **Centerra Gold IPO** and led advanced exploration, reserve delineation and feasibility work for the **Boroo Mine in Mongolia**
 - Accredited with two team discoveries, **REN** (deep extension to Goldstrike, Carlin Trend, Nevada) and **Gatsuurt** (2M oz Au near Boroo, Mongolia)



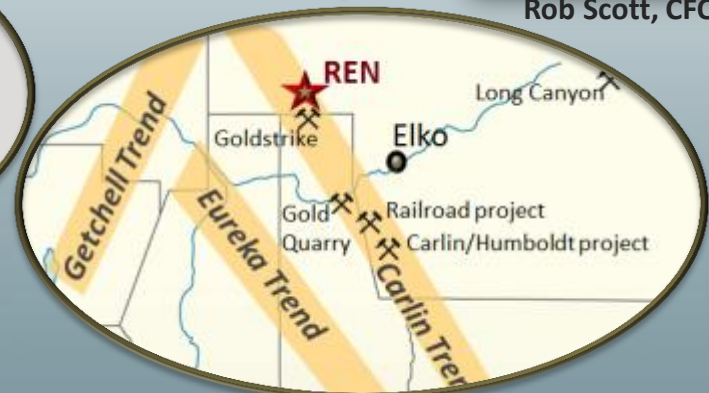
Evan Jones, President & CEO



Murray Seitz, Director



Rob Scott, CFO



OUR PROJECTS – ALL IN MONGOLIA

Chandman-Yol

- Copper-Gold Porphyry
- 1,402 km²
- 100% with 2.5% NSR on 5 of 9 tenements

Khavchuu

- Orogenic Gold
- 71 km²
- 100% Khavchuu Land Mongolia

Onon

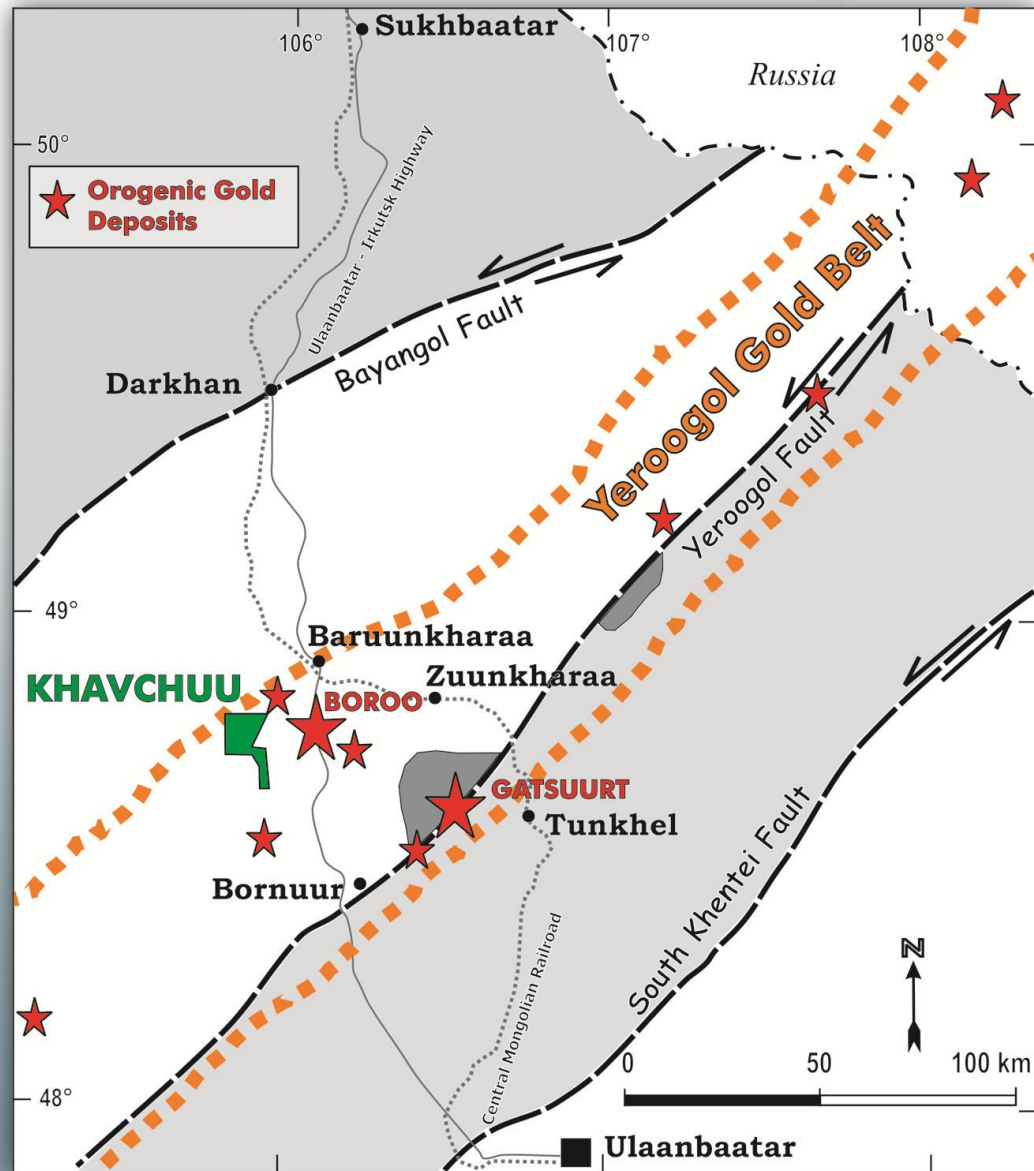
- Epithermal Gold
- 124 km²
- 100% - 2 tenements, 90% - 1 tenement

COMPELLING 2012 RESULTS



KHAVCHUU – Orogenic Au

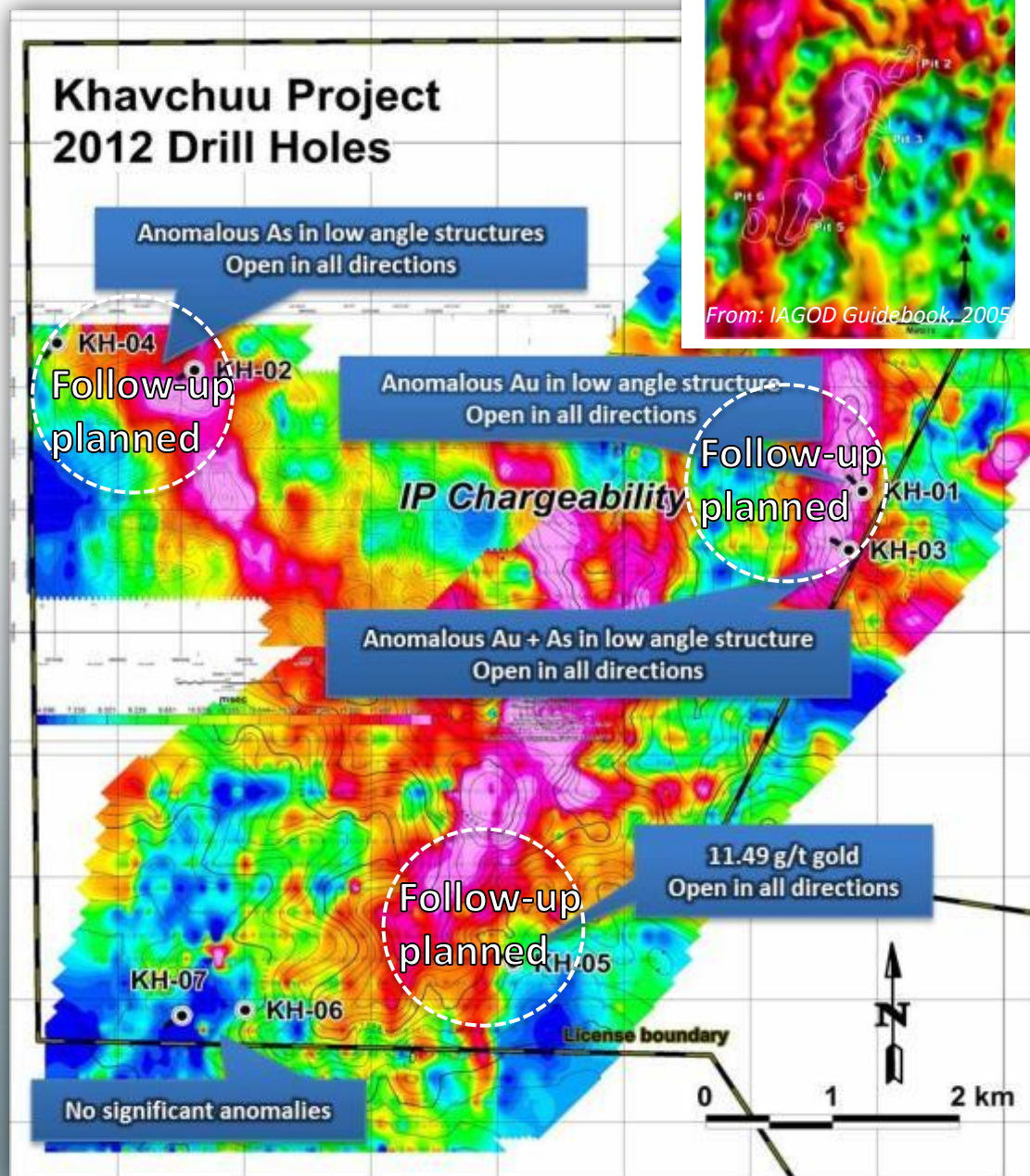
- 100% owned via option agreement
- Land position ~71.4 km² (17,643 acres), in the prolific **Yeroogol Gold District**
- ~10 km west from **Centerra Gold's Boroo Mine** and mill complex (1.5 M ounces Au produced and nearly out of ore)
- Excellent access to infrastructure
- Similar geological setting to **Boroo deposits**
- Very limited historic exploration



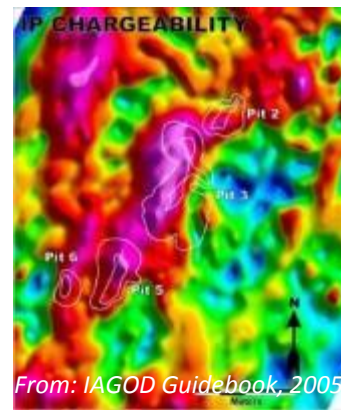


KHAVCHUU – Successful First-Pass Drill Program

- Successful reconnaissance drilling program
- **Boroo-style** low angle structures and anomalies were intersected
- **Gold and Arsenic** anomalies identified
- New intercepts **open in all directions**
- *New soil geochemical grids are underway*
- *Focused geophysics & Phase II drilling planned*



Boroo IP at
same scale



KHAVCHUU – 2012 Initial Reconnaissance Drill Program

- 7 holes for 1,902 m completed in 4 broad target areas
- Results are very encouraging – **11.49 g/t Gold has been intersected**
- Follow-up drilling planned

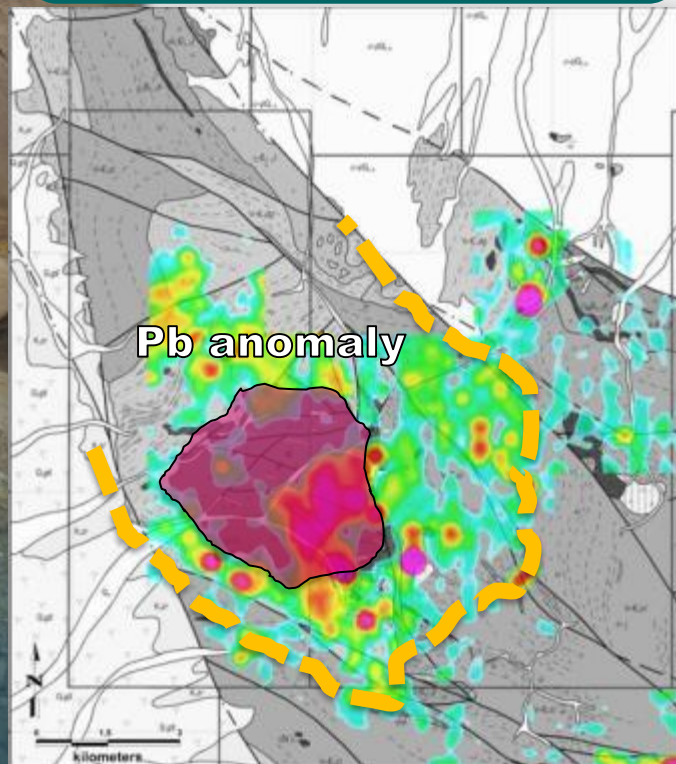


CHANDMAN-YOL COPPER GOLD PROJECT



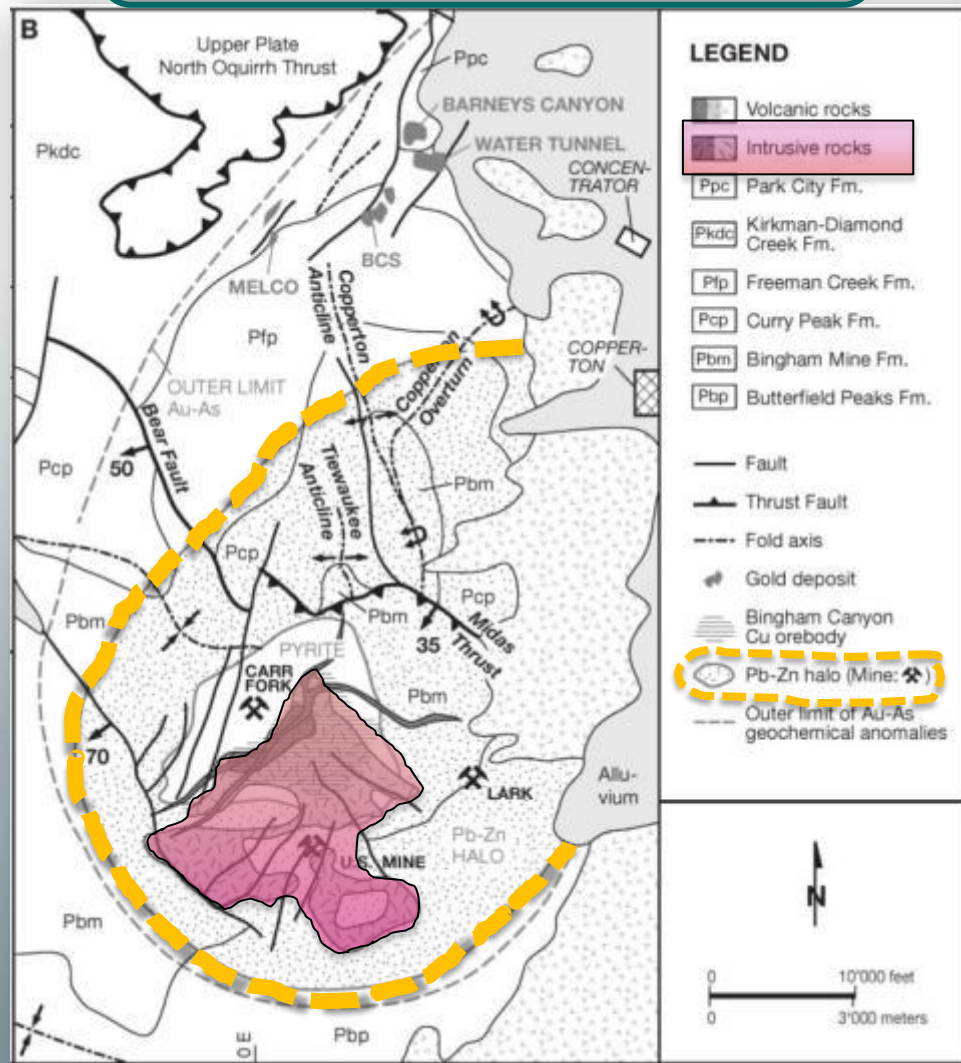
KY PORPHYRY INTRUSION

Early days of exploration



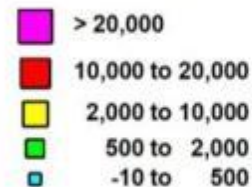
BINGHAM CANYON PORPHYRY

2.8 billion tons mined



In Porphyry System
Exploration
SIZE MATTERS

Monrock_Cu_ppm



Chandman-Yol

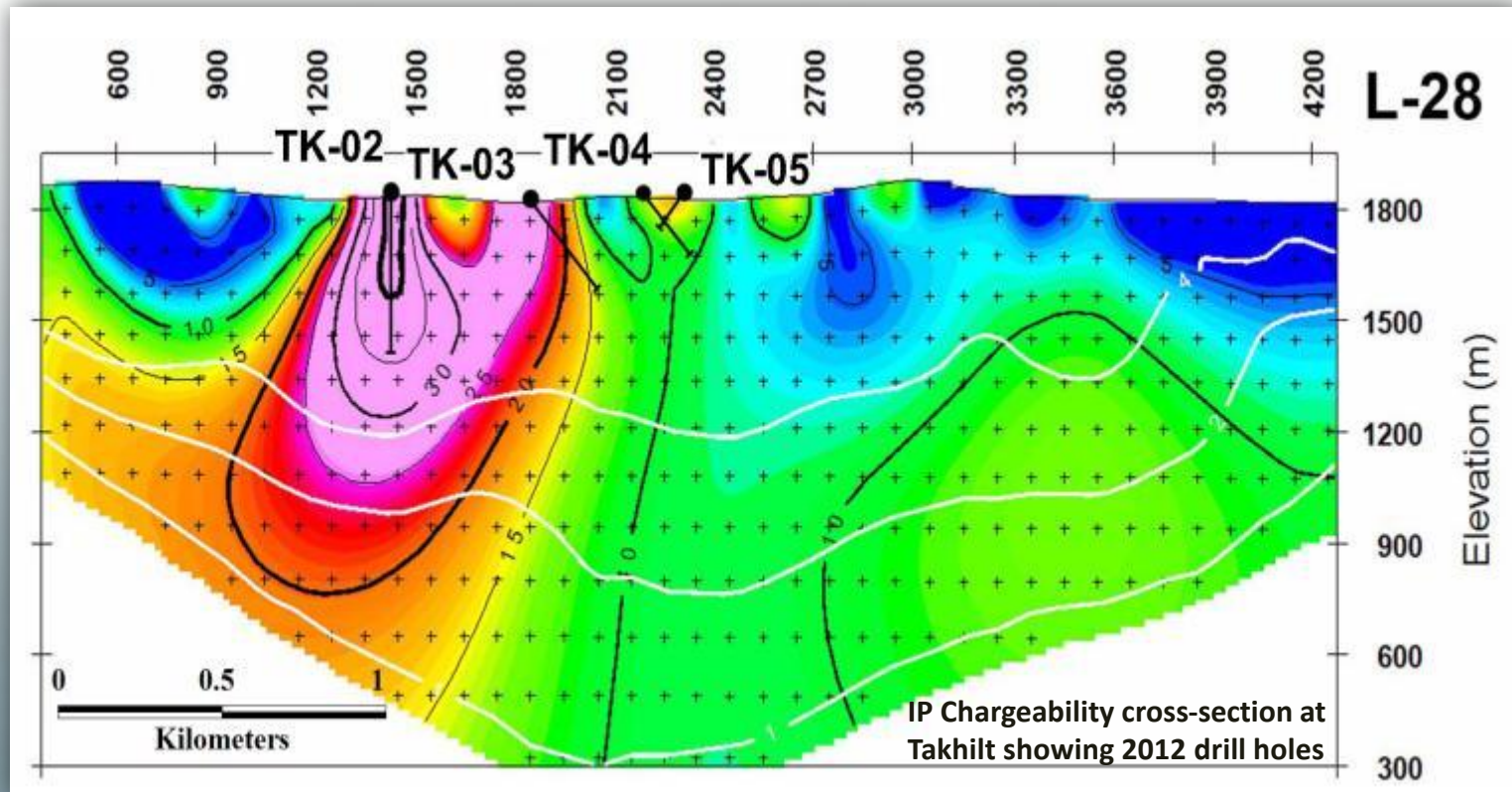
Altan Rio controls a large emerging district-scale copper-gold play with many targets

67 km

1. TAKHILT Cu-Au SKARNS
2. TAKHILT Cu-Au PORPHYRY
3. OVOOT IP FEATURE
4. KY Cu-Au PORPHYRY SYSTEM
5. BUMBAT NORTH Au ANOMALY
6. BUMBAT Cu ANOMALY
7. TANA HIGH GRADE Au VEINS

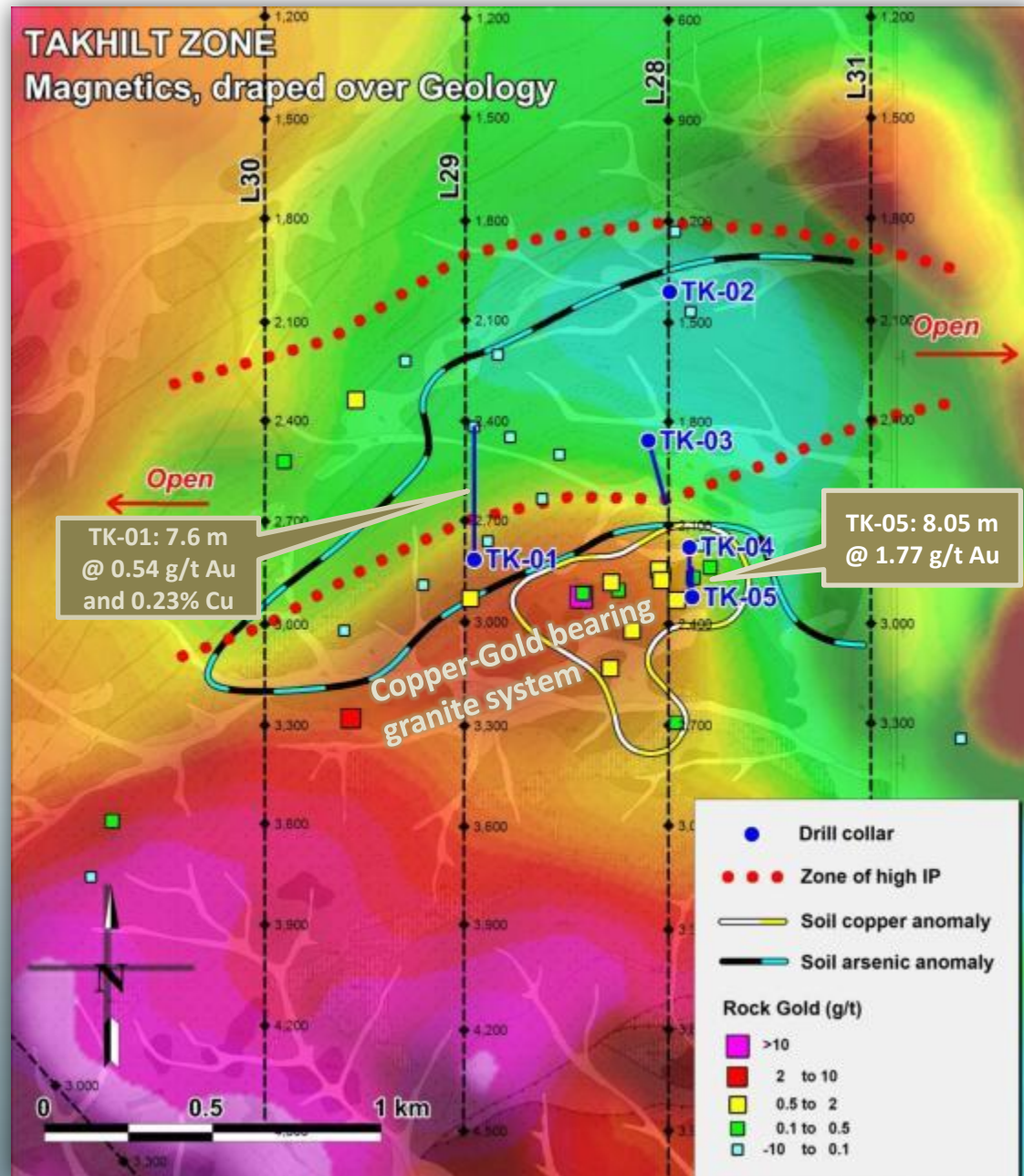
CHANDMAN-YOL 2012 DRILL RESULTS

- Completion of seven diamond core holes for 3,030.35 m drilled
- Two main target areas were tested: the large concealed Ovoot IP anomaly and the extensive partly-exposed mineral system at Takhilt
- Best results at **Takhilt** porphyry target - five moderately wide spaced holes were completed and several new zones of gold and copper mineralization were intersected

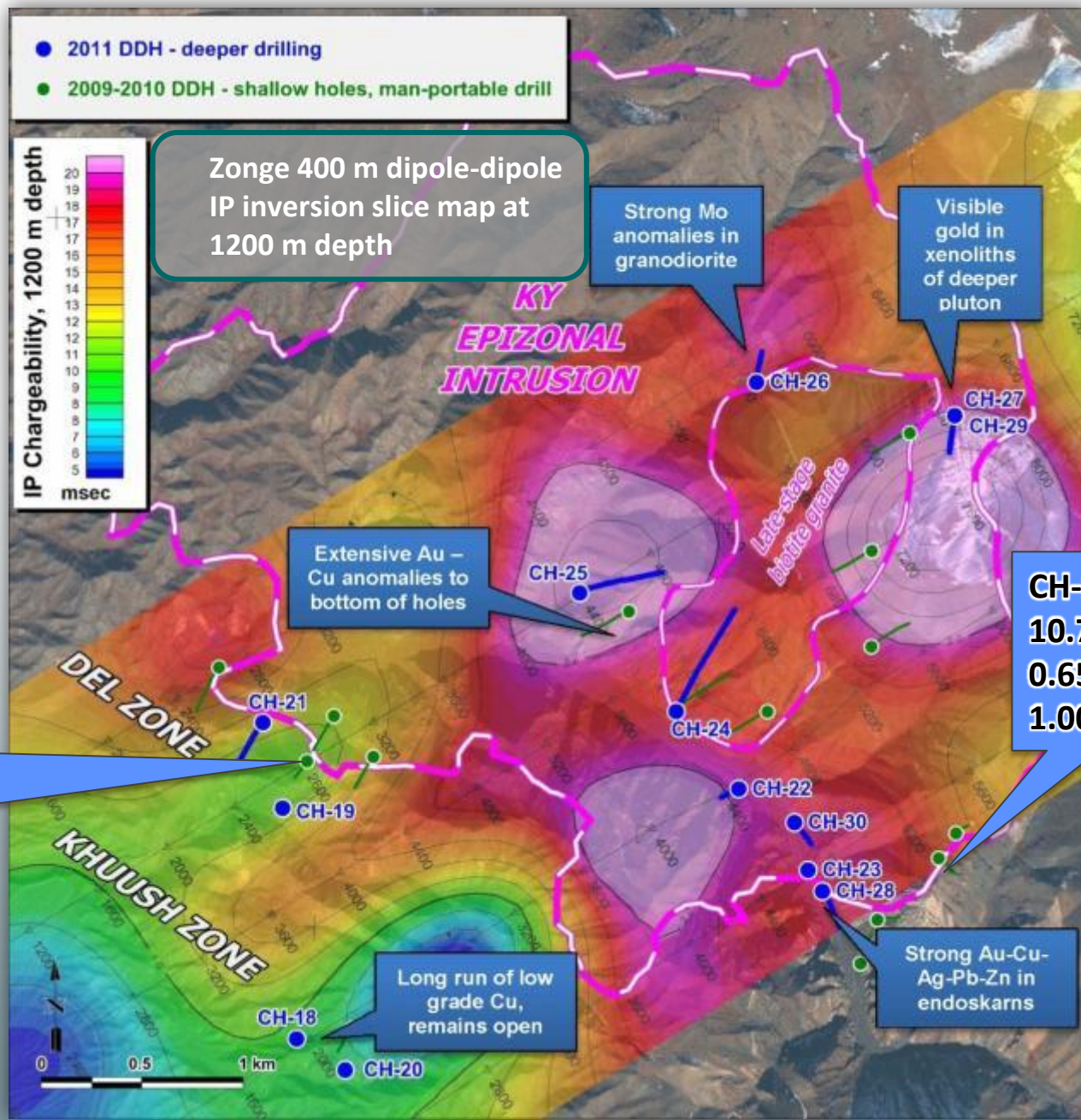


TAKHILT PORPHYRY - 2012 Drill Results

- Best intercept in TK-05 beginning just 16.30 m from surface - **8.05 m at 1.77 g/t Au**, including **2.5 m @ 5.38 g/t Au**
- Open down dip and along strike
- TK-01: 7.6 m @ 0.54 g/t Au & 0.23% Cu



KY PORPHYRY – 2011 Drill Results



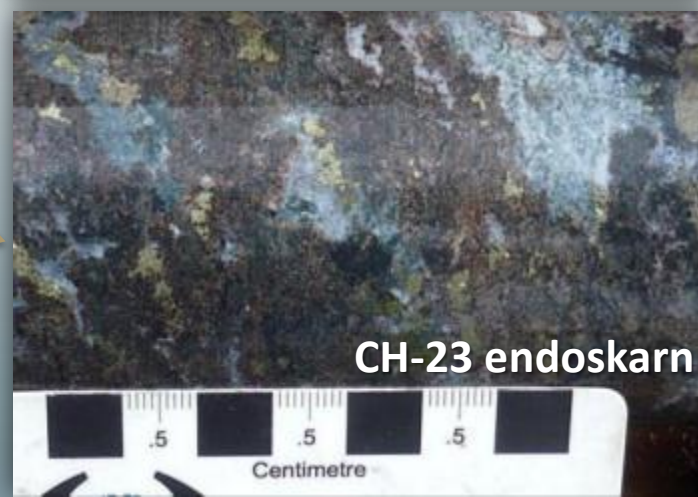
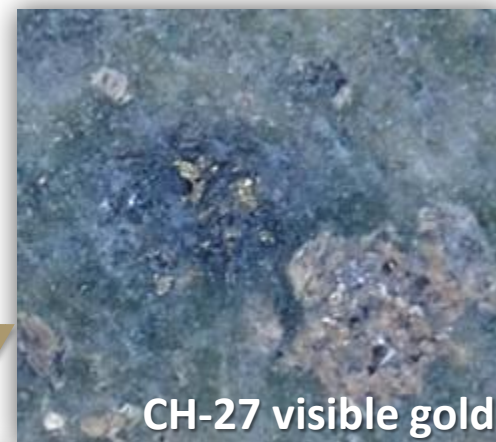
KY PORPHYRY - 2011 Drilling Highlights

- All holes drilled in the KY targets intersected elevated metal values, with frequent **0.5% Cu** and **0.5 g/t g Au from 1 to 3 m** samples, *spans an area of 2.8 x 2 km*

- Highest grade gold intersection achieved to date: CH-27, **1 m @ 28.02 g/t Au** with visible gold in core

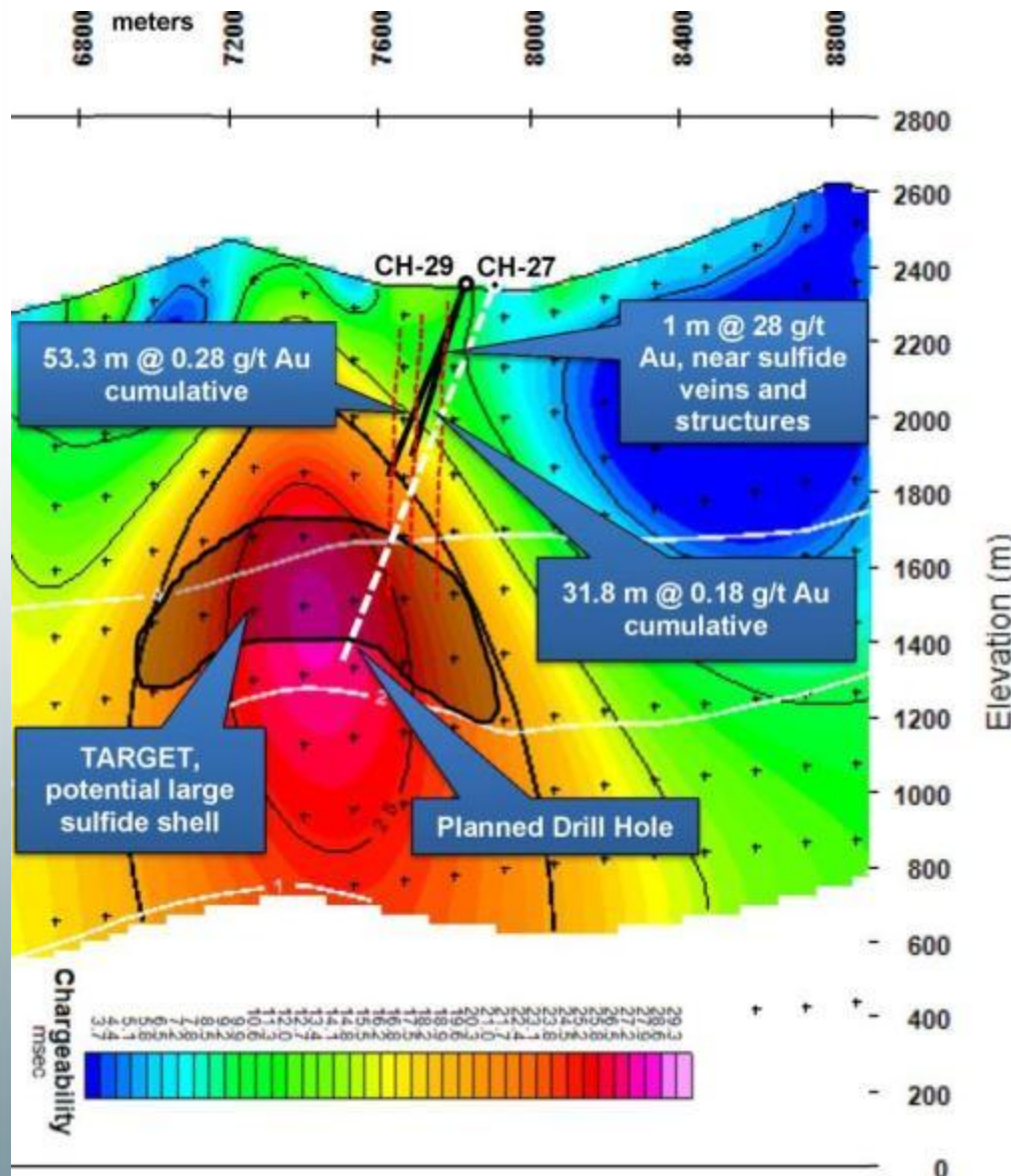
- Longest intersection of copper mineralization achieved to date: CH-18, **105.6 m @ 0.12% Cu** from an IP anomaly in the Khuush zone (*i.e. IP works*)

- CH-28 silver intersections:
 - 13.2 m @ 43.12 g/t Ag**, including
 - 1 m @ 106.31 g/t Ag**
 - 1 m @ 118.86 g/t Ag**
 - 39.6 m @ 24.57 g/t**, including
 - 2.5 m @ 128.3 g/t**
 - 2.2 m @ 114.26 g/t Ag**



KY PORPHYRY INTRUSION – Large Tonnage Drill Targets

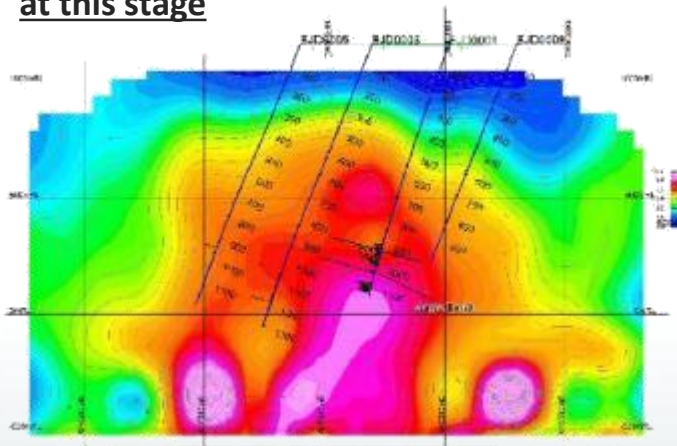
IP Chargeability section over northern sector of KY porphyry intrusion



- Assay results show **metals (Au & Cu) increasing with depth**
- KY porphyry intrusion under-explored and contains **multiple large tonnage copper-gold target zones**
- **Deep IP targets essentially upgraded with the 2011 drill results**

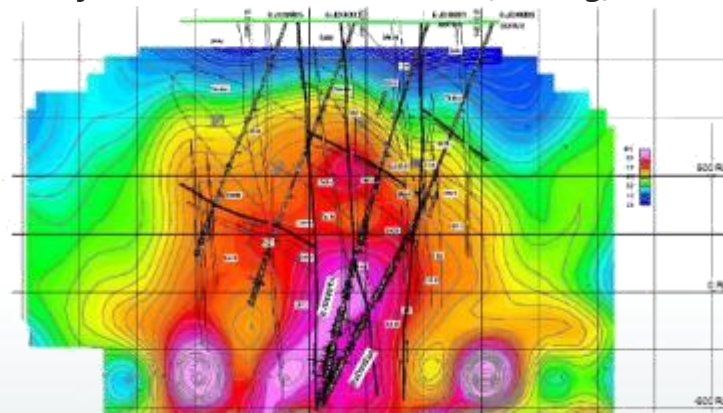
COPPER-GOLD PORPHYRY INTRUSIONS – Large Scale IP Targets

Oyu Tolgoi Heruga IP section, with early shallow holes, drilling nearly abandoned at this stage



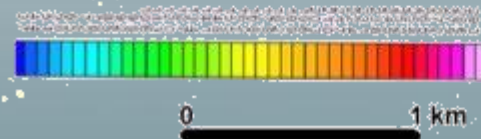
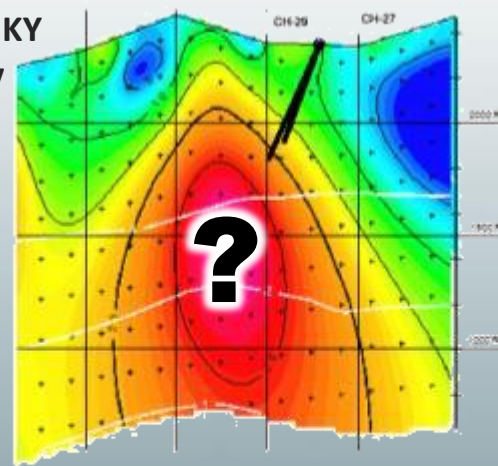
Heruga deep drilling and discovery of large tonnage Cu-Au mineralization

Inf Res = 910 Mt @ 0.48% Cu, 0.49 g/t Au



What will future deep drilling at the large KY Porphyry system encounter?

Chandman KY
IP Anomaly



CAPITAL STRUCTURE 2013 BUDGET

MONGOLIA – 2013*

• <u>Drilling</u> Chandman	\$1,000,000
• <u>Drilling</u> Khavchuu	\$450,000
• License Fees & JV Payments	\$400,000
• New project acquisition	\$250,000
• Operating Costs	\$600,000

TOTAL	\$2,700,000
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* Program pending successful financing

Altan Rio Minerals Limited (TSX.V: AMO):

- Incorporated in British Columbia

Issued Capital:

- 52.1M Ordinary Shares
- 15.8M Warrants (2014, at CA50¢-55¢)

Market Capitalization (CA12¢):

- CA\$6.3M

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