### A NEW EPITHERMAL GOLD DISCOVERY:

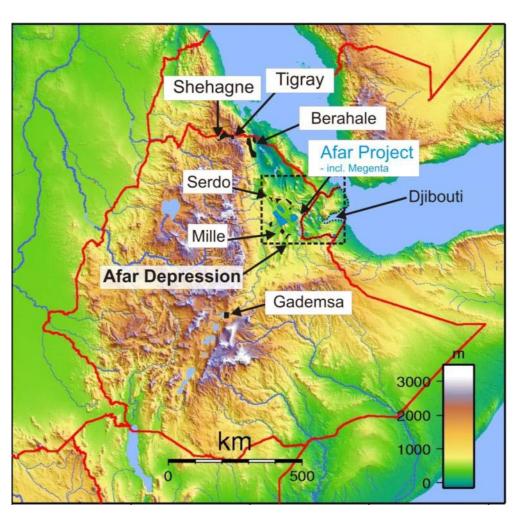
**MEGENTA, TENDAHO, AFAR DEPRESSION** 







## STRATEX EAST AFRICA



### **Ethiopia & Djibouti**

- +Favourable geology

  Arabian-Nubian Shield
- + Under-explored
- + Stable, mining-friendly regimes
- + Royalties: 8% gold, 5% base metals
- + 35% corporate tax
- + Exploration costs off-set against tax
- + Expl. lic. 3yrs, extendable for 2yrs

After Corti, 2009

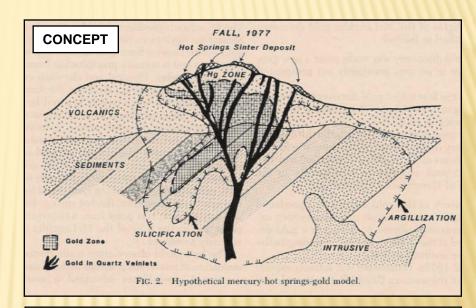


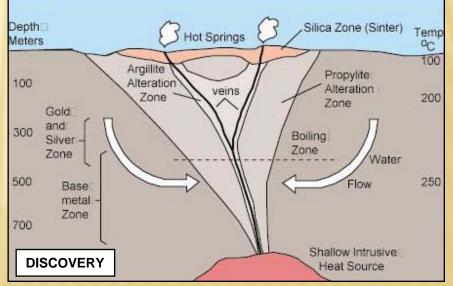
#### **Ingredients**

- Hot spring association & Hg enrichment
- 2. Bimodality
- 3. Well-plumbed system
- 4. Hydrothermal fluids
- Extensional environment

#### Results

- a. Sinter & steam-heated horizons
- Felsic intrusives and mafic extrusives
- c. Coalesced veins
- d. Discrete zoned alteration & brecciation
- e. Rifting, normal faulting, strike-slip dilation, & deep crustal fractures







### THE AFAR DEPRESSION - CONCEPT TO DISCOVERY

- Concept of epithermal gold in the EA Rift with Dr. R.H. Sillitoe\*
- Reviewed ground Kenya-Ethiopia; several field visits
- MER initially targeted in Ethiopia
- Alteration reported in Afar
- Remote sensing, targeting, ground-truthing
- Discovery of high level low sulphidation gold system at Megenta in Tendaho graben

\*Rifting, Bimodal Volcanism, and Bonanza Gold Veins, R.H.Sillitoe, SEG Newsletter 2002, January







## **MEGENTA - A LOW-SULPHIDATION SYSTEM**

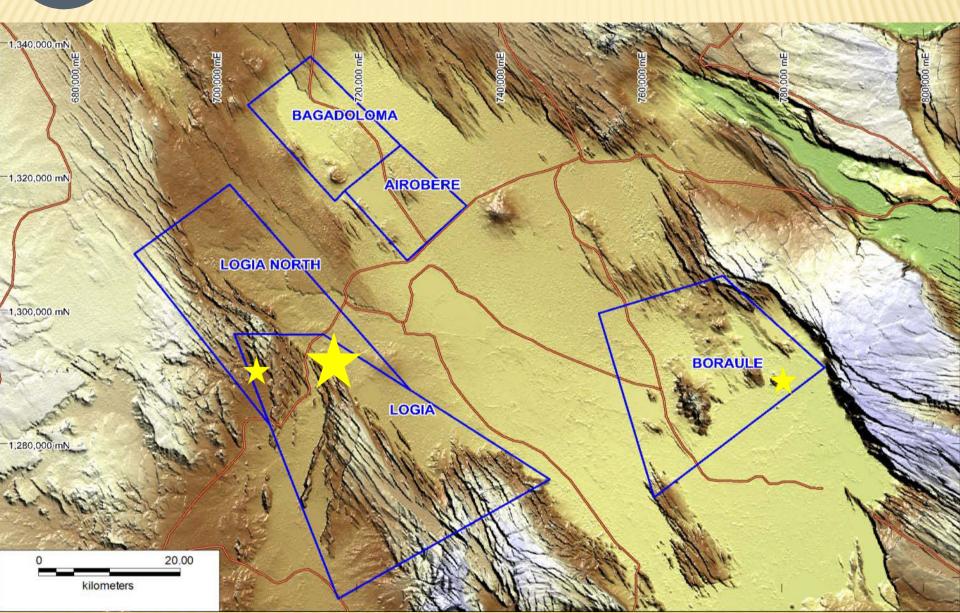
- Discovered in October 2009
- Field follow-up of hot spring occurrences from geothermal mapping
- Recorded gold from chips analysed from geothermal drilling
- Surface expression described in structural paper in 1995 but epithermal mineralisation not recognised

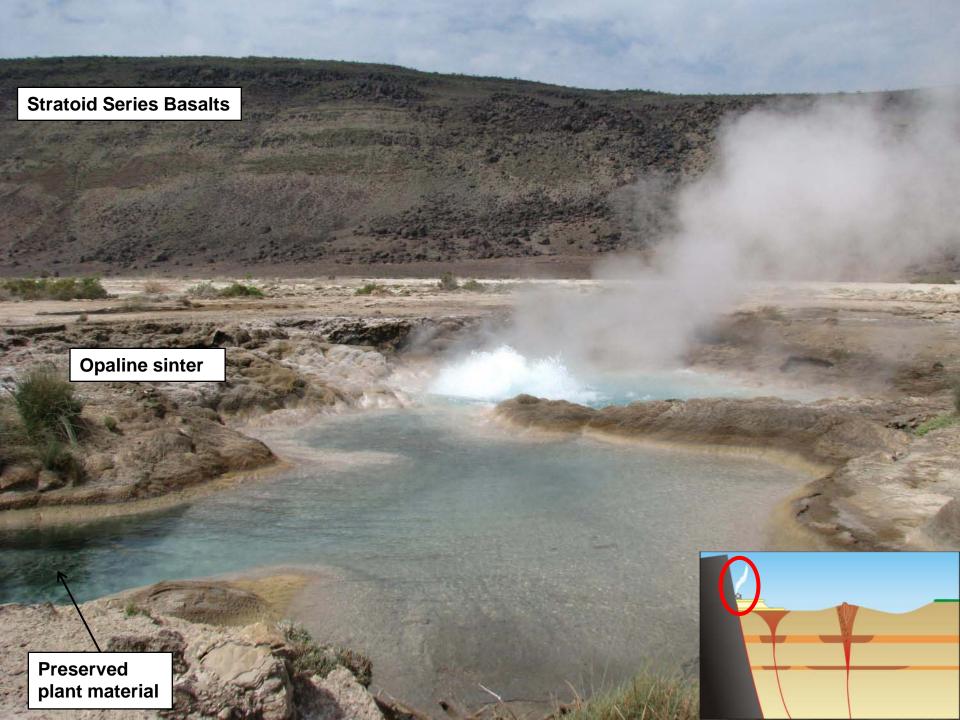






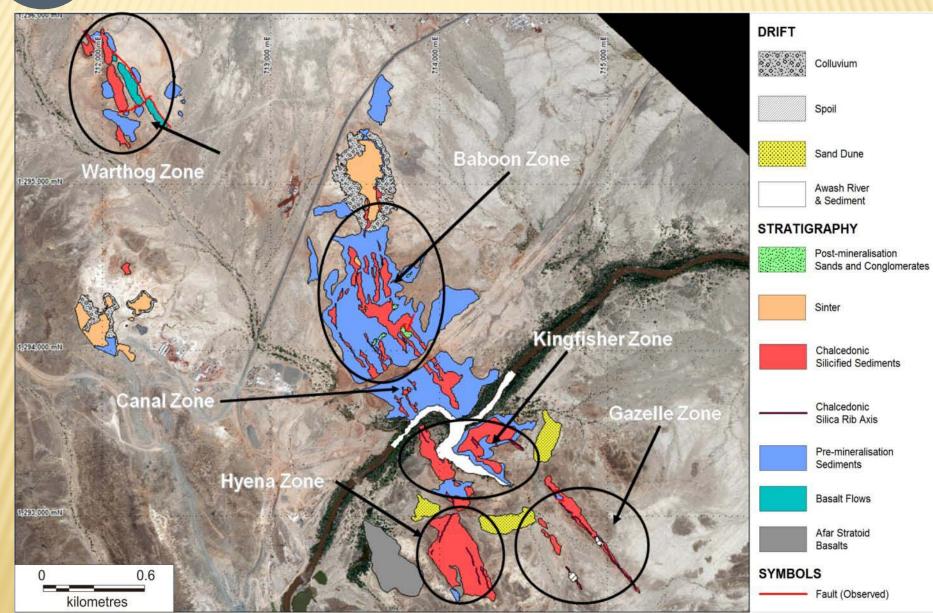
#### TENDAHO DISTRICT EXCLUSIVE EXPLORATION LICENCES







## **GEOLOGY**



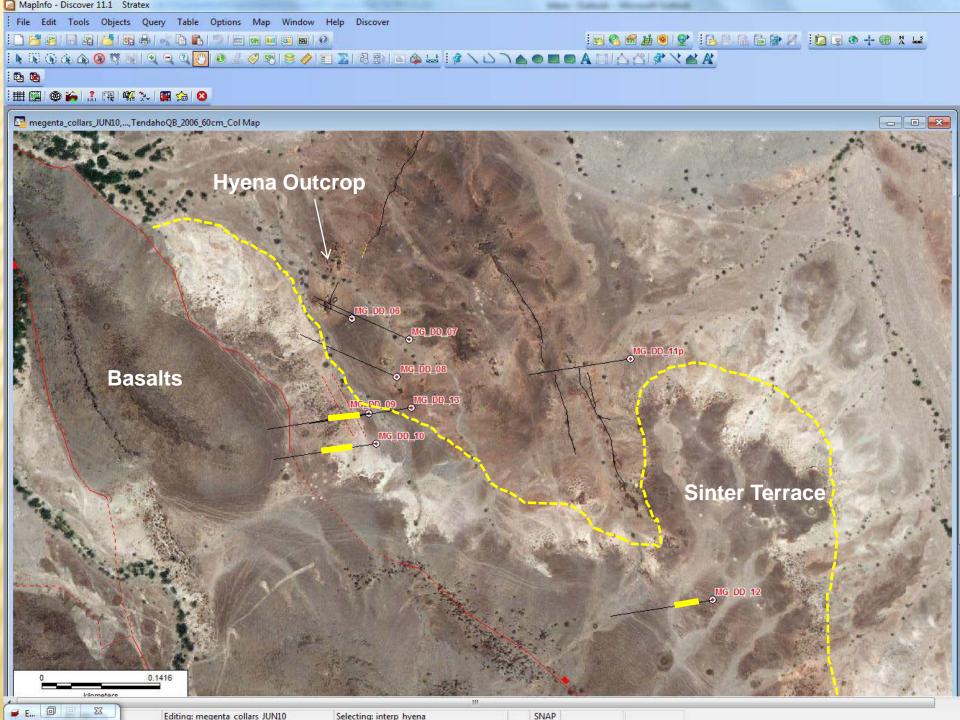


## **MEGENTA**

#### **HYENA ZONE**

### ONE OF SILICIFIED STRUCTURES WITH HYDROTHERMAL BRECCIA UP TO 16.75 g/t Au

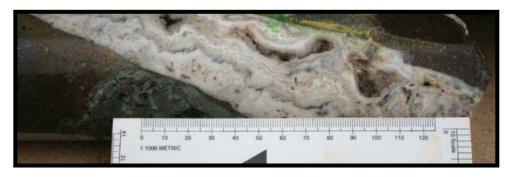






### **Drill Results**

- + 3,000 m drill programme confirms Megenta as large new gold system priority target >3 km long. Key intersections to date include:
  - **MG-DD-12** 3.25 m @ 4.49 g/t Au incl. 0.70 m @ 19.5 g/t (63.45 m > 0.5 g/t Au)
  - **MG-DD-10** 43.20m @ 0.67 g/t Au incl. 0.30 m @ 8.27 g/t Au, 2.9 m @ 3.56 g/t Au
  - **MG-DH- 09 44.30 m @ 0.54 g/t Au incl. 1 m @ 2.57 g/t Au, 2.1 m @ 1.67 g/t Au**
  - **MG-DH-08** 0.35 m @ 4.74 g/t
  - **MG-DH-07** 22.80 m @ 0.23 g/t Au incl. 0.5 m @ 3.24 g/t Au

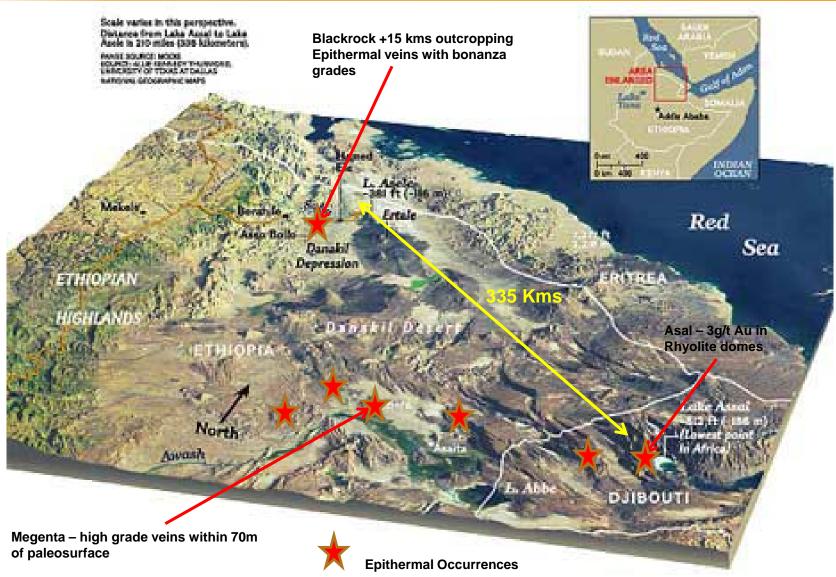




- + Drilling yet to intersect main boiling zone and peak gold deposition
- Follow-up drilling programme including deeper holes being reviewed with TA, plus exploration
  of other exciting gold targets



### The New Afar Epithermal Province





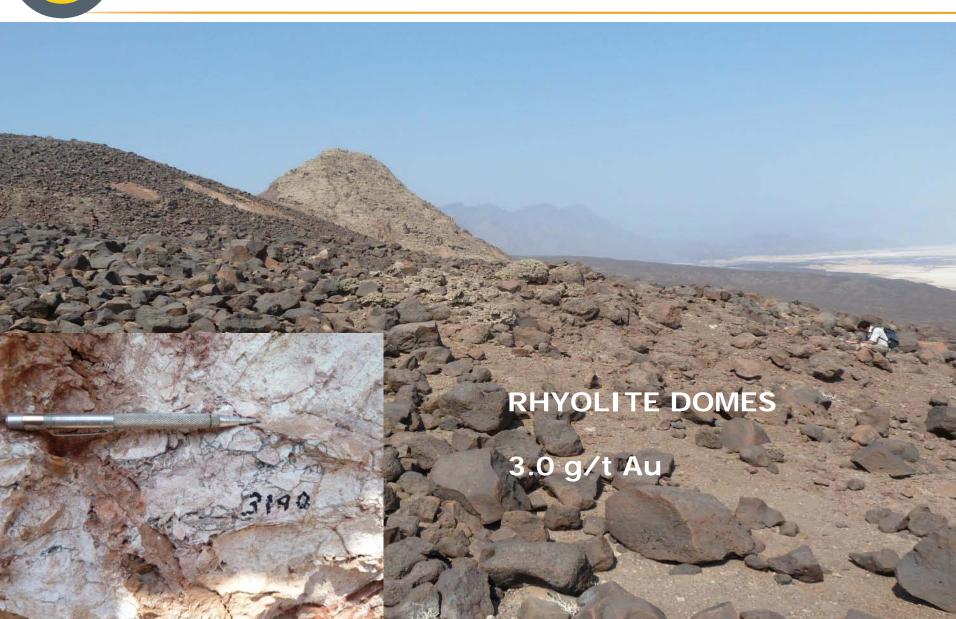
## Blackrock



POTENTIAL MAJOR DISCOVERY
DRILLING UNDERWAY
OVER 15 kms OF OUTCROPPING
VEINS TO TEST.









# **THANK YOU!**

