



## Rift Valley Resources Ltd (ASX:RVY)

An African Focused Copper/Gold Explorer



# Investment Highlights



- African focused copper/gold explorer with well advanced projects in Tanzania and Angola
- Two projects in Tanzania (RVY:100%) hold collectively ~1.2moz AU – mineralisation from surface
- Opportunities to significantly expand resources with drilling to recommence near term
- Projects located in the Lake Victoria Goldfields – Tanzania's most lucrative gold district
- Drilling of Cassenha Hill gold/copper Project (RVY:70%), Angola returned high grade copper mineralization – depth and extension
- First market mover advantage – limited history of hard rock mining and prominent government agency support
- Supportive shareholder base – global private equity firm in place as strategic investor
- Significant potential unlocked across the portfolio



Longojo REE Prospect - Angola



# Company Snapshot



Corporate Overview		Majority Shareholders (as at 31 March 2016)	
ASX Code	RVY	Merrill Lynch (Australia) Nominees Pty Limited	12.13%
52 week high – low	\$0.016 - \$0.038	East Africa International Limited	4.04%
Shares on issue	531m	J P Morgan Nominees Australia Limited	3.55%
Options (27/7/18) ex \$0.06	45m	Mr Warren Gilmour & Mrs Catherine Gilmour <W&C Super Fund A/C>	3.01%
Market Capitalisation (at \$0.03)	\$15.9m	Mr Gregory Rolland Cunnold & Mrs Lara Cheryl Groves <Stratford A/C>	2.29%
Cash (as at 31/12/15)	\$1.2m	Mr Graham McDonagh & Mrs Gina McDonagh <McDonagh Super Fund A/C>	2.24%
Top 20 shareholders	40%	Dr Leon Eugene Pretorius	1.86%
Top 100 shareholders	73%	<b>Total:</b>	<b>29.12%</b>

## Board & Management:

### Mr Geoff Gilmour - Managing Director

Over 20 years of corporate experience. Instrumental in the creation of Andean Resources Ltd (\$3.56bn takeover by Goldcorp in 2010). Previously the Managing Director of Amex Resources Ltd and Brightstar Resources Ltd

### Mr Greg Cunnold BSc MAusIMM - Technical Director

Geologist with 20 years of experience in the international exploration industry. Greg was instrumental in the discovery of Gabriel Resources 14 million ounce gold resource in Romania. He also was Exploration Manager for Reward Minerals Ltd

### Mr Graeme Clatworthy B.Bus - Non-Executive Director

28 years experience in Australian capital markets. Previous experience as a Director of several listed companies. Also currently a Director of Meteoric Resources NL

### Mr Scott Mison B.Bus, CA, ACSA – Company Secretary

Member of the Institute of Chartered Accountants. Director of Jupiter Energy Ltd and 1-Page Ltd

## Consultants:

### Mr Paul Payne BAppSc, MAusIMM Geologist

Paul provides geological management to RVY's Tanzanian operations. He boasts over 25 years experience in exploration and project development in technical and corporate roles

### Barry Bourne BSc (Hons) Geology - Consultant

Barry has over 20 years of international exploration experience encompassing Africa, North and South America, Europe, Russia and Papua New Guinea. Until 2013 he was Chief Geophysicist for Barrick Gold's Global Exploration Group and now provides specialist consulting services to the global mineral exploration industry

# Overview of Projects



## Tanzania:

### Two advanced gold projects situated in the Lake Victoria Goldfields

- **Miyabi Gold Project (RVY 100%)**
  - 704,000oz Resource, multiple deposits, new high grade discovery
- **Kitongo Gold Project (RVY 100%)**
  - 370,000oz JORC Resource<sup>1</sup>, excellent results from 2014 drilling



## Angola:

### 3,760 km<sup>2</sup> holding in unexplored greenstone

- **Ozango Project (RVY 70%)**
- Demonstrated prospectivity for:
  - Gold – rock chips up to 6 g/t AU
  - Copper-Gold
  - REE – drill defined mineralisation
- 5 walk up drill targets identified
- Government funded regional aeromagnetic survey underway

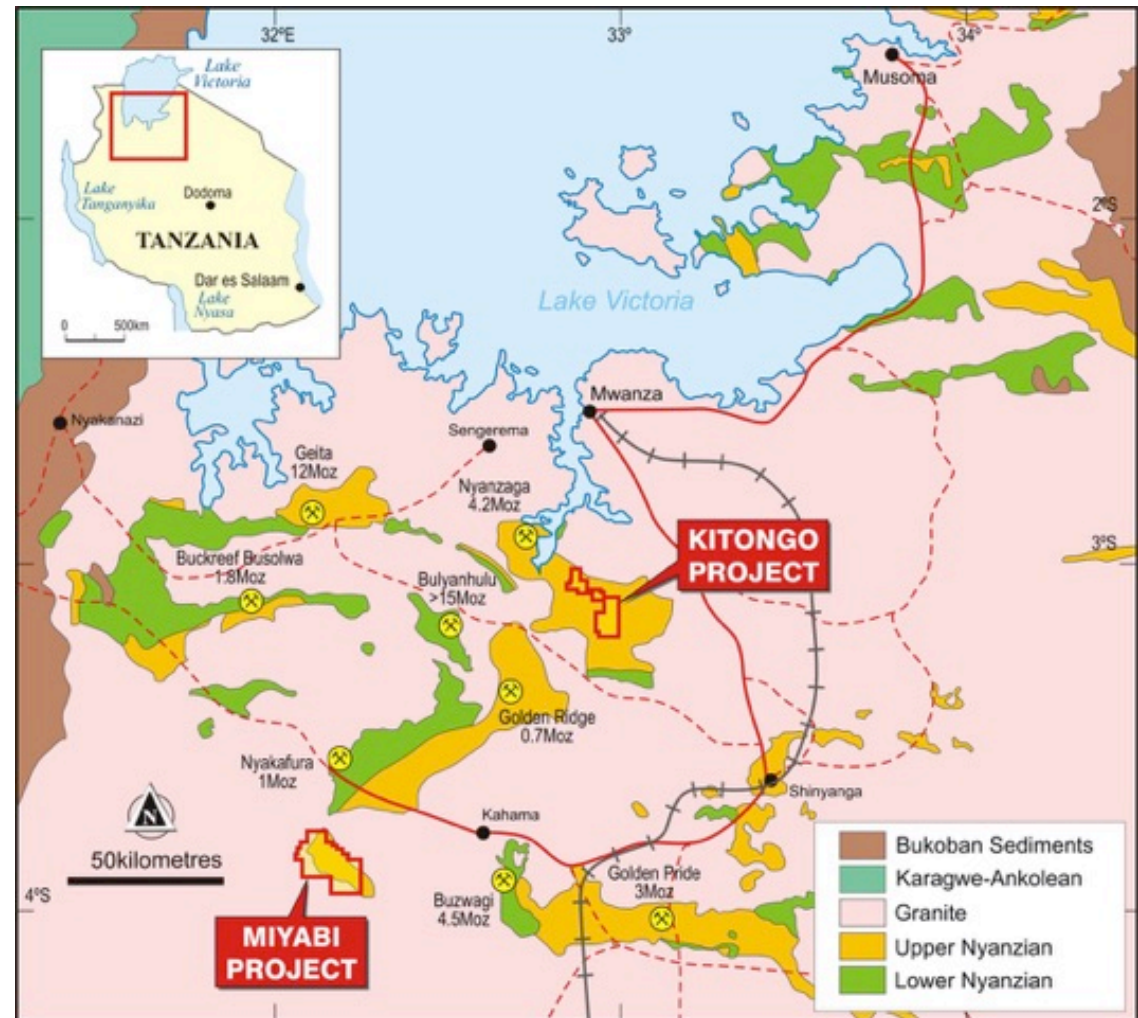


<sup>1</sup>Kitongo resource lies within Primary Mining Licence allowing exploration by local, small scale artisanal miners

# Tanzania: Geology & Prospectivity



- Most major deposits located in Lake Victoria Goldfields
- Archaean granite-greenstone terrane similar to Western Australia
- Exploration boom of 1990's led to the discovery of numerous deposits
- Numerous large deposits (>4Moz)
- +40Moz gold endowment in 200km diameter
- Excellent infrastructure in place

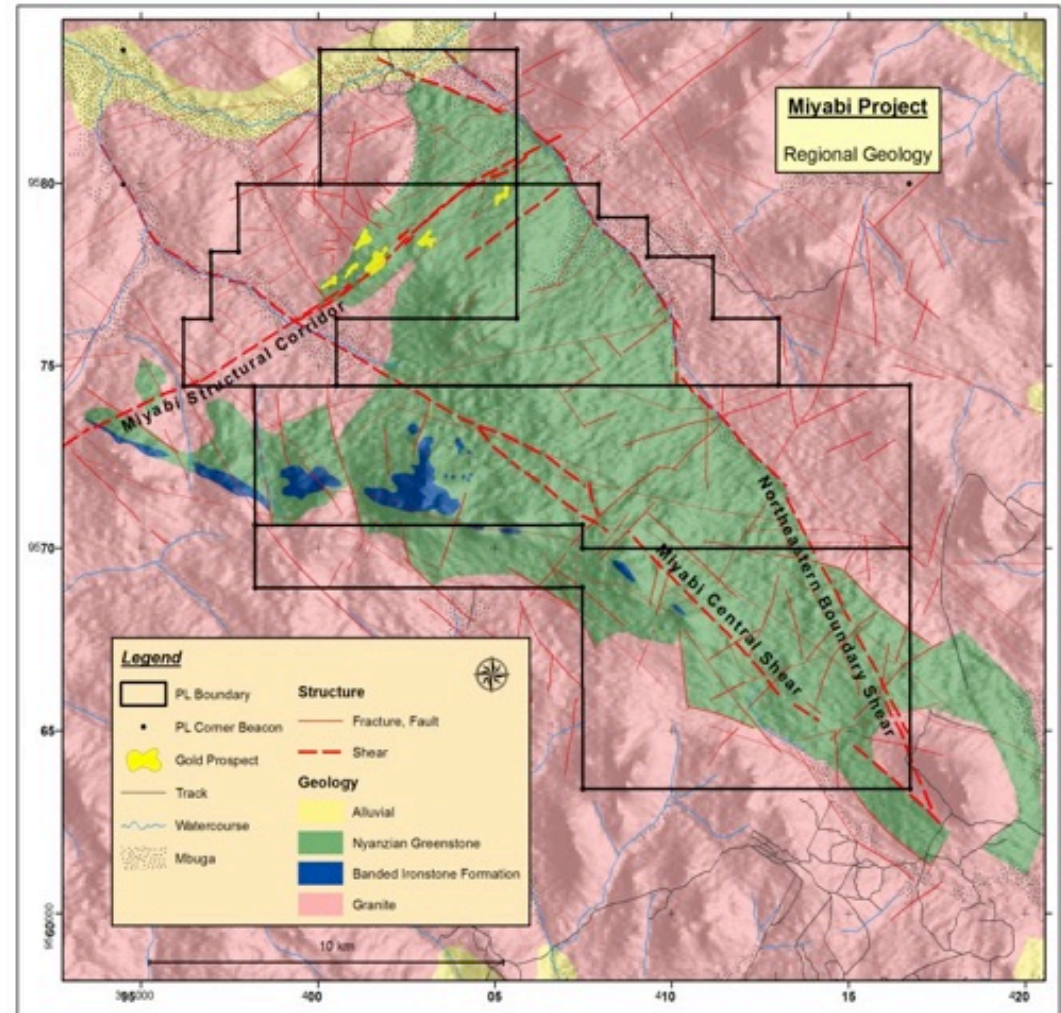




# Tanzania: Miyabi Project Overview



- 252km<sup>2</sup> project area
- Approximately 30km from Resolute Resources Nyakafuru (1.1 Moz Au)
- 200km southwest of Mwanza
- JORC Resource of 14.3Mt at 1.5g/t for 704,000oz JORC Resource including new high grade prospect at Dalafuma 1.2Mt at 4.1g/t (August 2015)
- Dalafuma mineralisation remains open down dip and along strike 250m
- Geophysical reinterpretation of all previous exploration and drill target generation underway
- Project area largely under explored
- Excellent exploration targets defined for follow up drilling



# Miyabi High Grade Discovery - Dalafuma

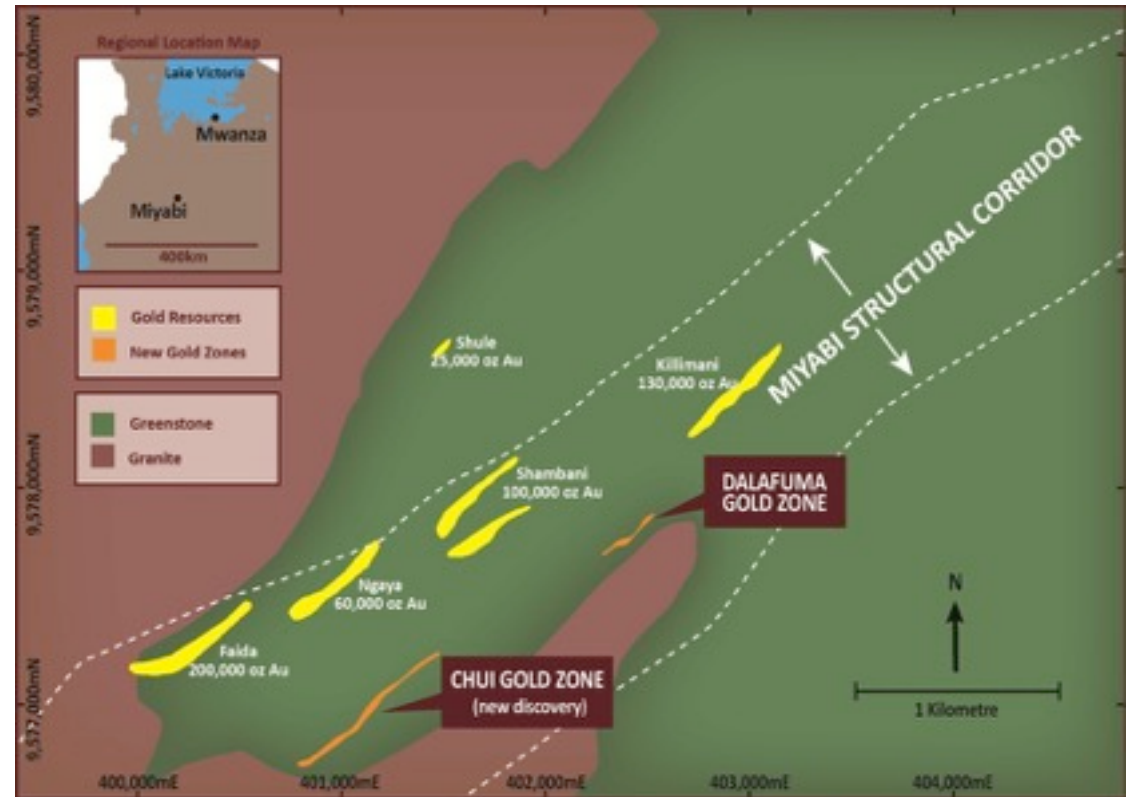


## Dalafuma prospect grades discovered by RVY include:

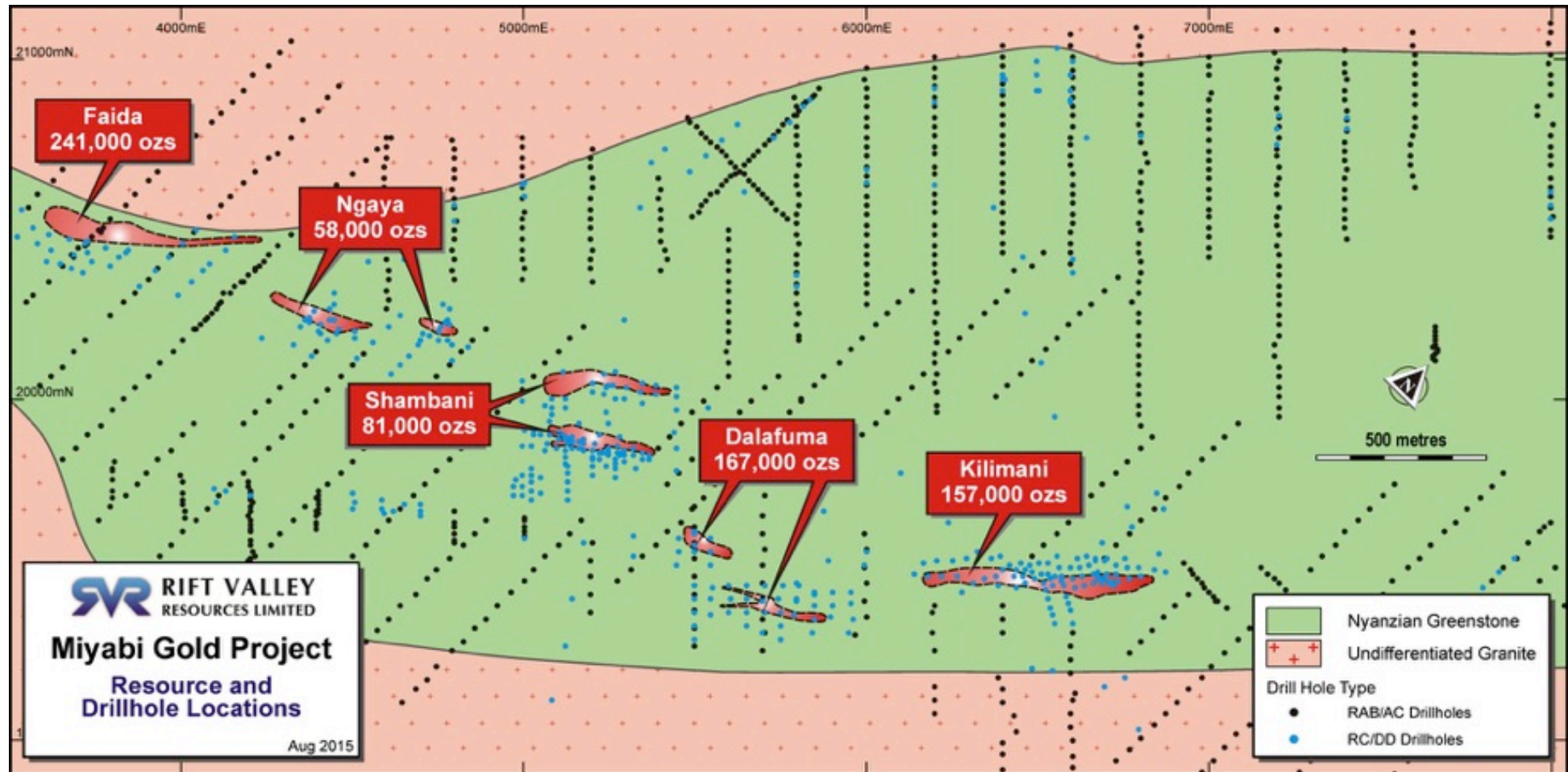
- 18m @ 12 g/t Au from 46m
- 28m @ 6.7g/t Au from 16m
- 16m @ 11.9g/t Au from 65m including 5m @ 27.7g/t
- 18m @ 6.9g/t Au from 111m including 3m @ 21.4g/t

## Dalafuma Northwest includes:

- 23m @ 4.2g/t Au from 45m
- 42m @ 0.7g/t from 18m Including 6m @ 2.5g/t
- 30m @ 0.9g/t from 72m including 9m @ 1.7g/t

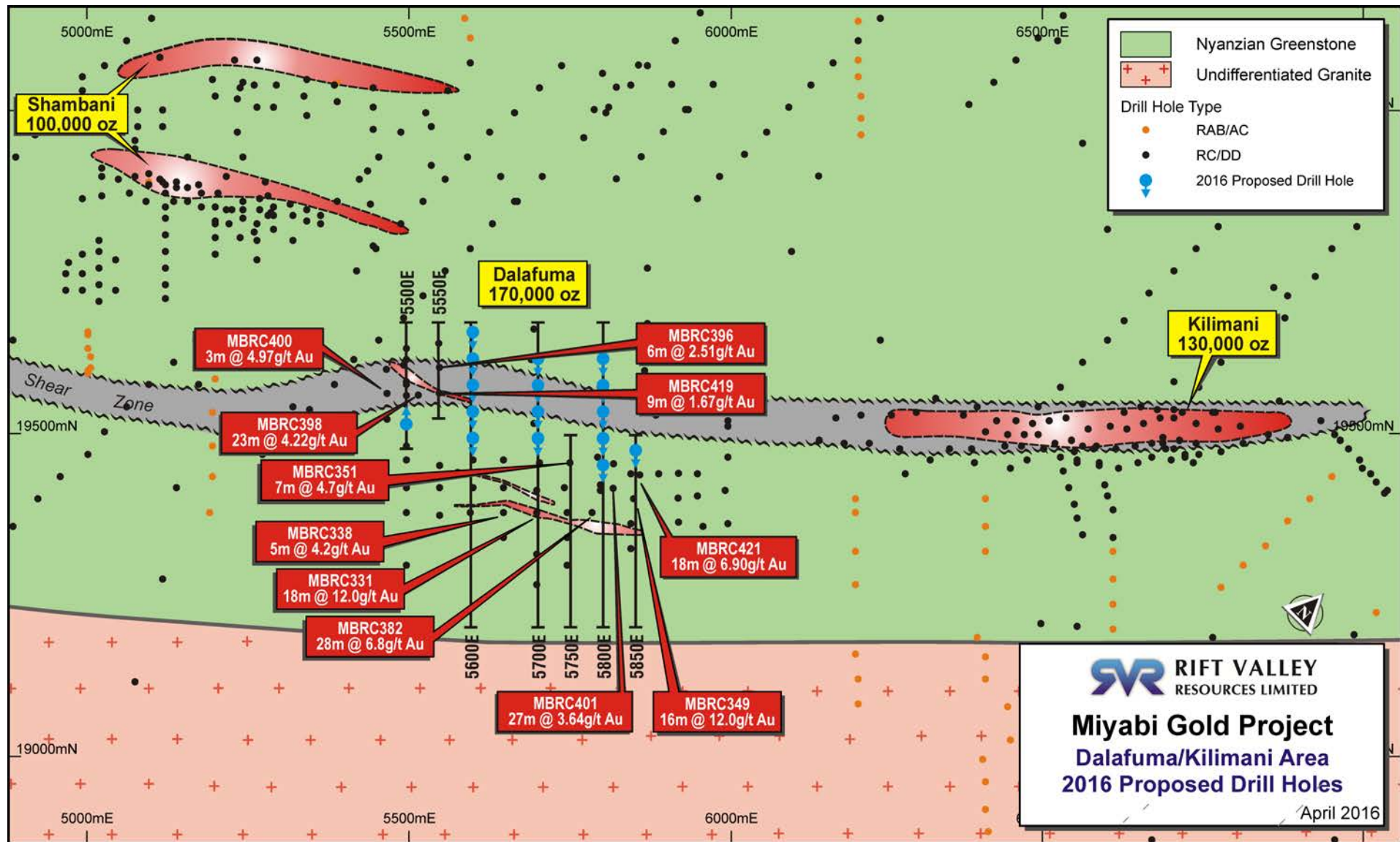


# Resource Drillhole Locations

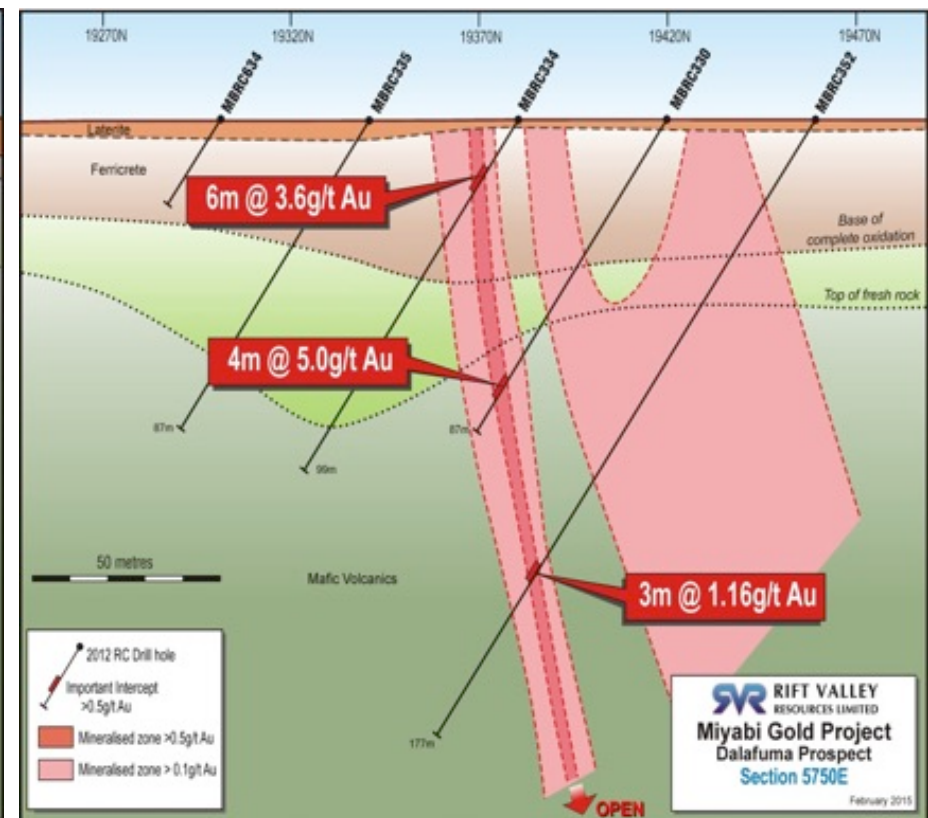
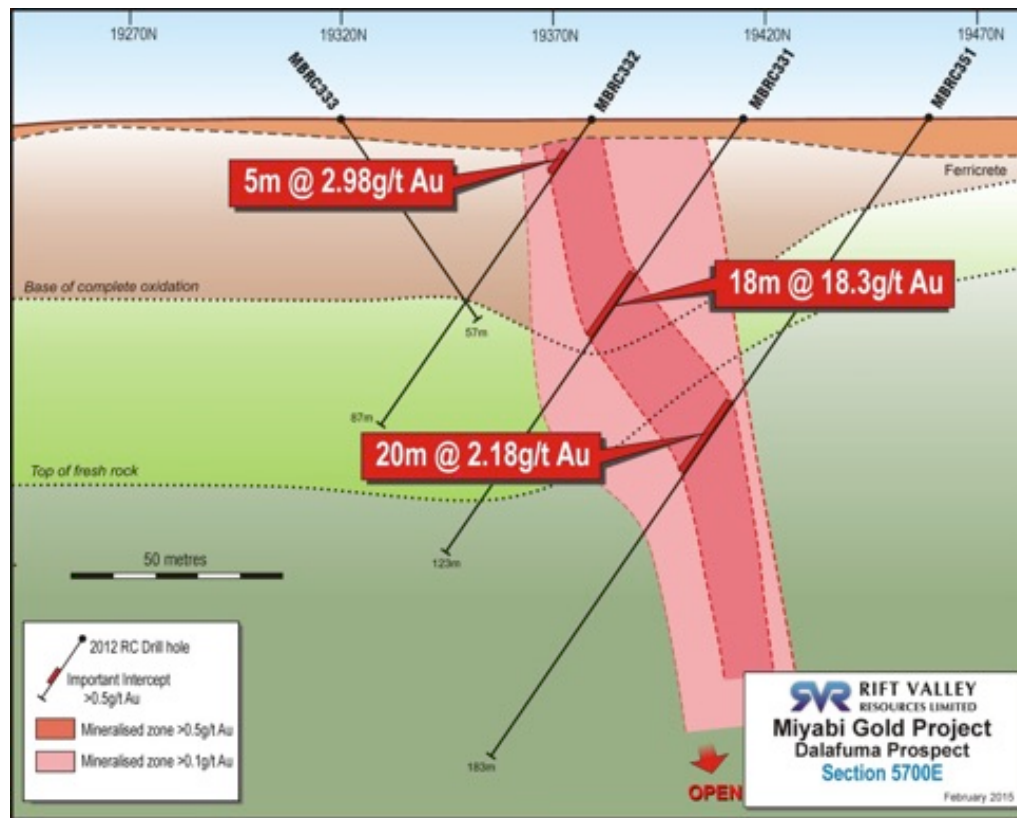




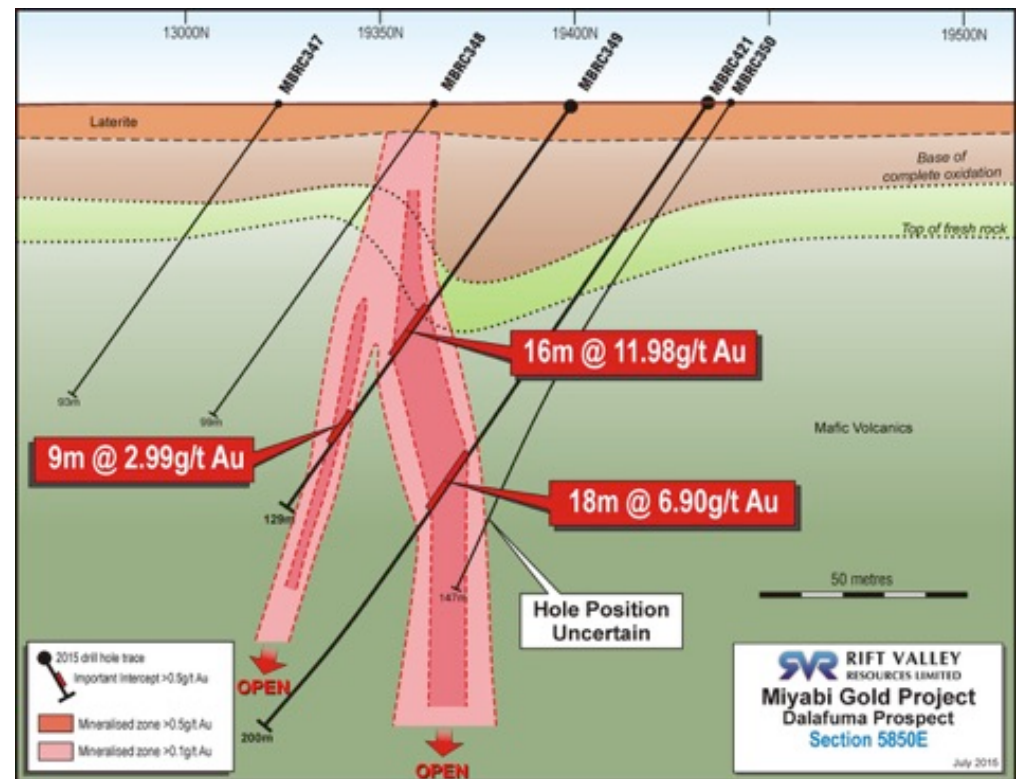
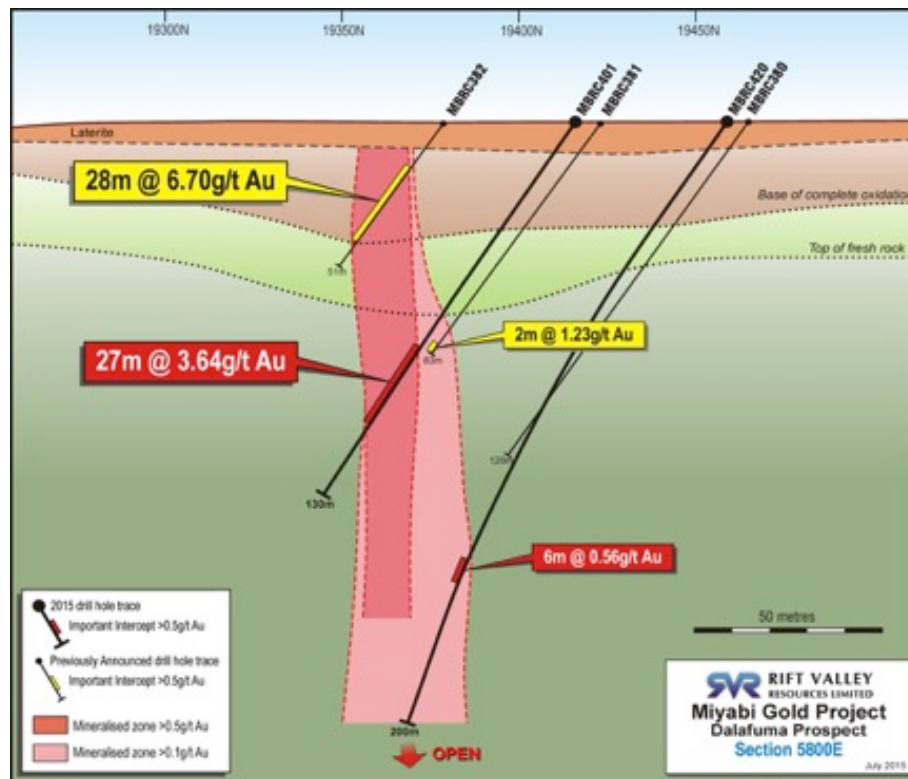
# Dalafuma/Dalafuma North West/Kilimani



# Dalafuma Sections 5700E & 5750E



# Dalafuma Sections 5800E & 5850E

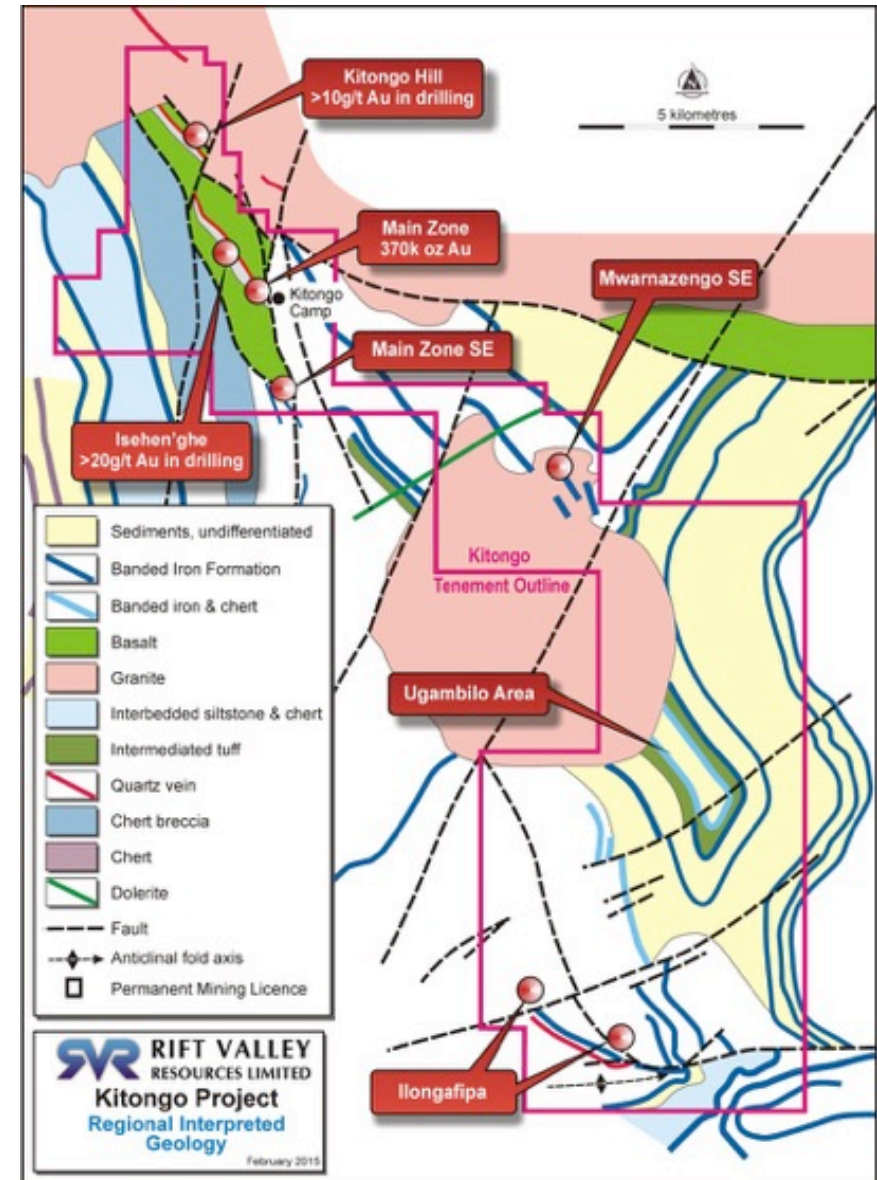




# Tanzania: Kitongo Project Overview



- 128km<sup>2</sup> project area, tenements renewed in 2014 for further 5 years
- All weather access, 90 minute drive from Mwanza
- Highly prospective greenstone belt
- Negligible regional exploration and no drilling from 2002 until RVY program in 2014
- JORC Resources of 7.8Mt @ 1.5 g/t for 370,000oz<sup>1</sup> at Main Zone remains open at depth
- Drilling has remained high grade prospects at Isegenghe and Kitongo Hill including:
  - 3m at 19.60g/t from 141m
  - 2m at 15.75g/t from 81m
  - 12m at 12.95g/t from 74m
- Little historic exploration outside of Main Zone area



<sup>1</sup>Kitongo resource lies within Primary Mining Licence allowing exploration by local, small scale artisanal miners

# Kitongo Main Zone

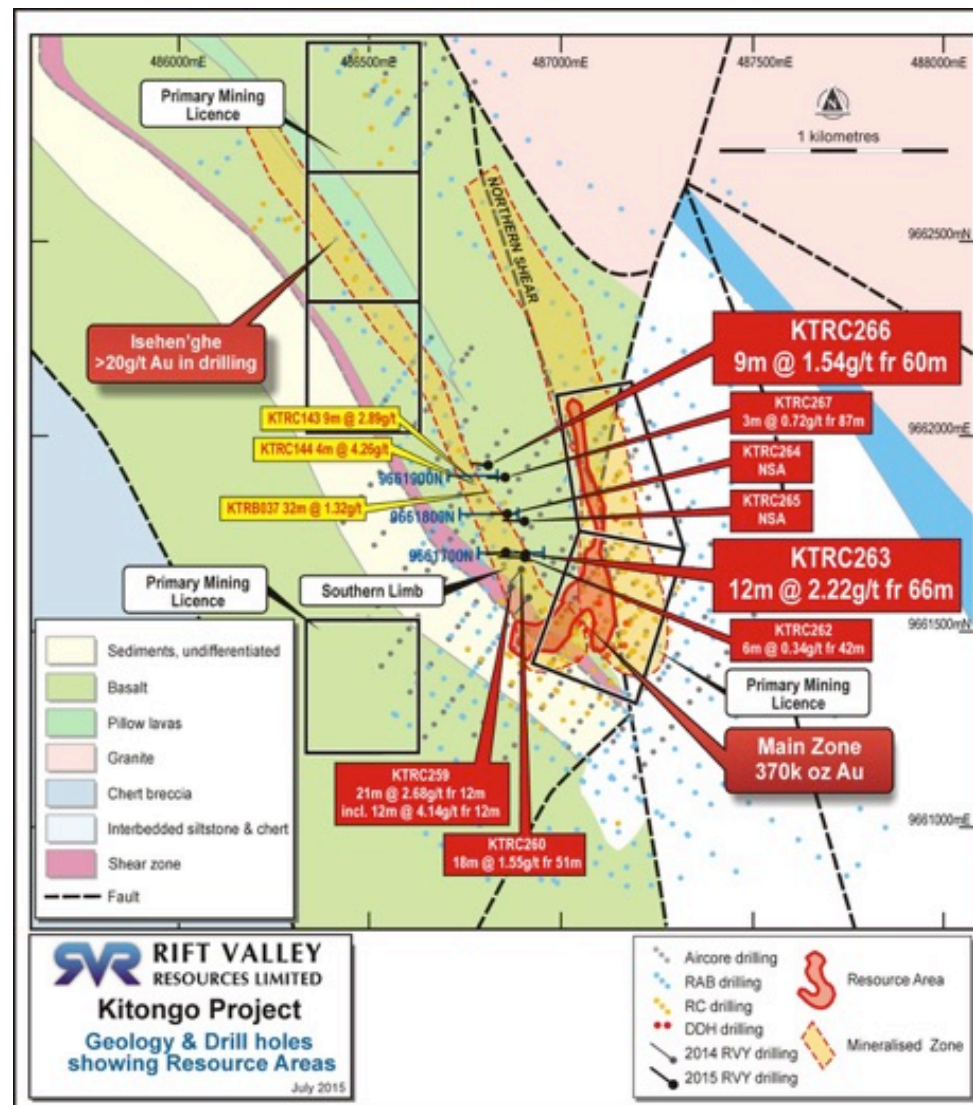


## Northern Shear

- 800m strike length – open at depth (most historic drilling above 80m vertical)
- RVY drilling in 2014 confirmed resource and extensions including:
  - 21m at 2.43g/t from 117m in KTRC255
  - 12m at 1.67g/t from 69m in KTRC 256

## Southern Limb:

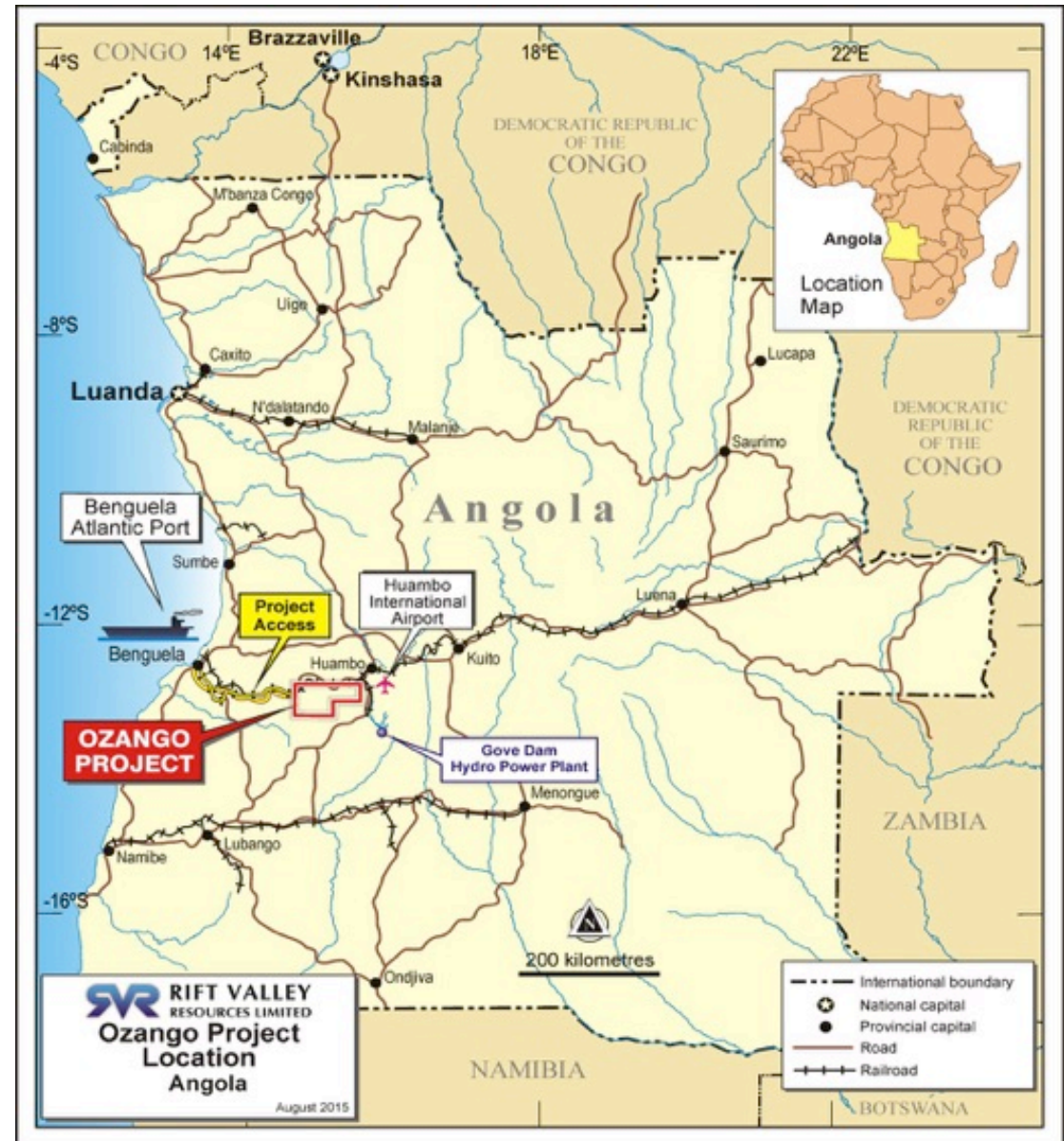
- Historic RAB and air-core drilling down-dip therefore mineralised zone wasn't properly tested
- Re-interpretation was confirmed by recent RVY drilling:
  - 21m at 2.68g/t from 12m in KTRC259
  - 18m at 1.55g/t from 51m in KTRC259
- Broad, shallow mineralisation open along strike and down dip



# Angola – Africa's New Frontier



- Geology - Archean Granite Greenstone terrane – similar to Brazil, Ghana, Western Australia
- Limited history of hard rock mining
- Department of Geology & Mines committed to promote foreign investment into minerals sector
- US\$400m plus Government funded airborne survey commenced
- Sound Mining and Investment Code
- Ferrangol as strategic Government partner
- GeoAngol – Assay Labs established - Drilling Rigs acquired
- Good, in situ infrastructure
- RVY has 1<sup>st</sup> mover advantage
- 25% Mining Tax and 3% to 5% Royalty

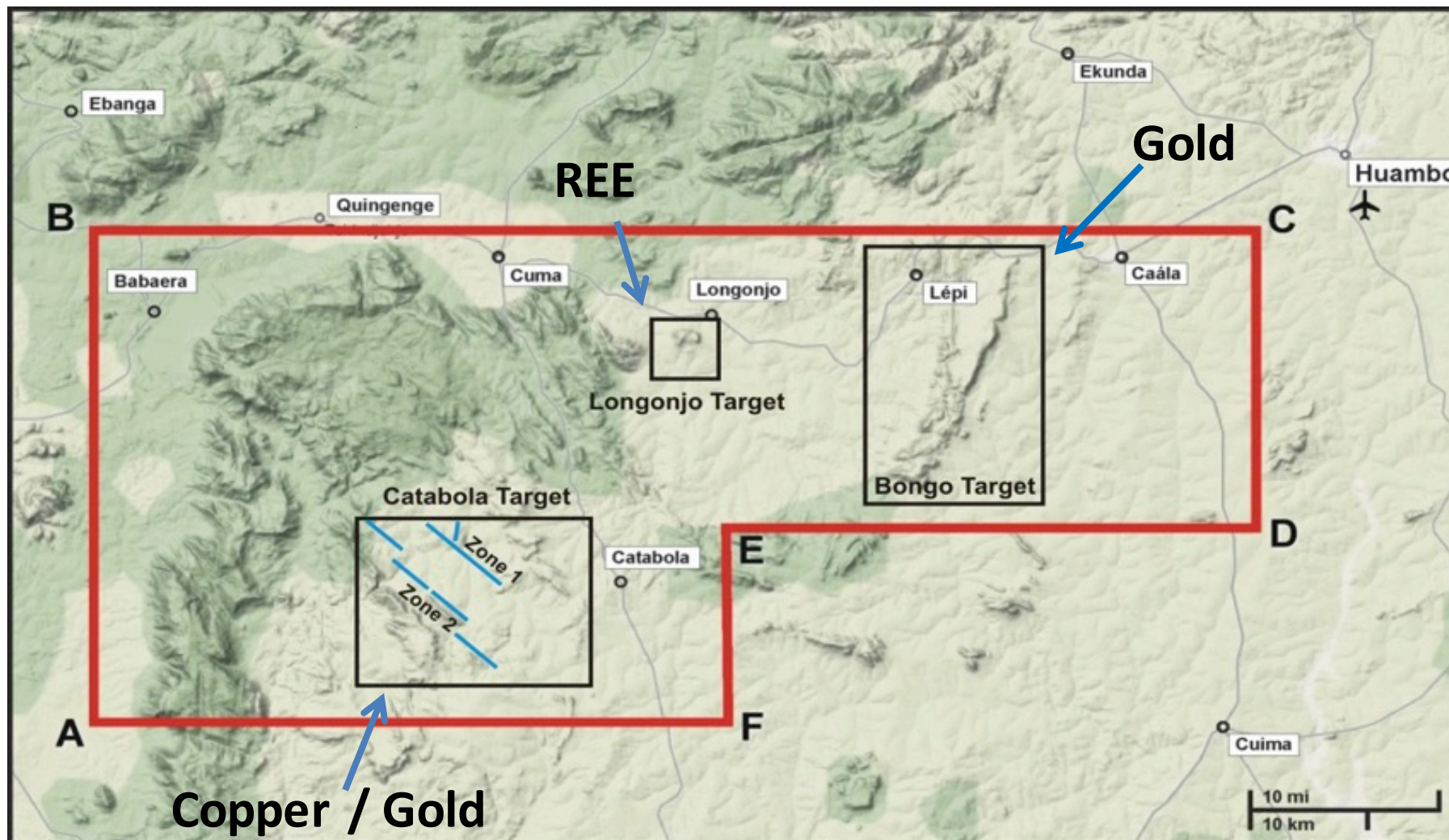




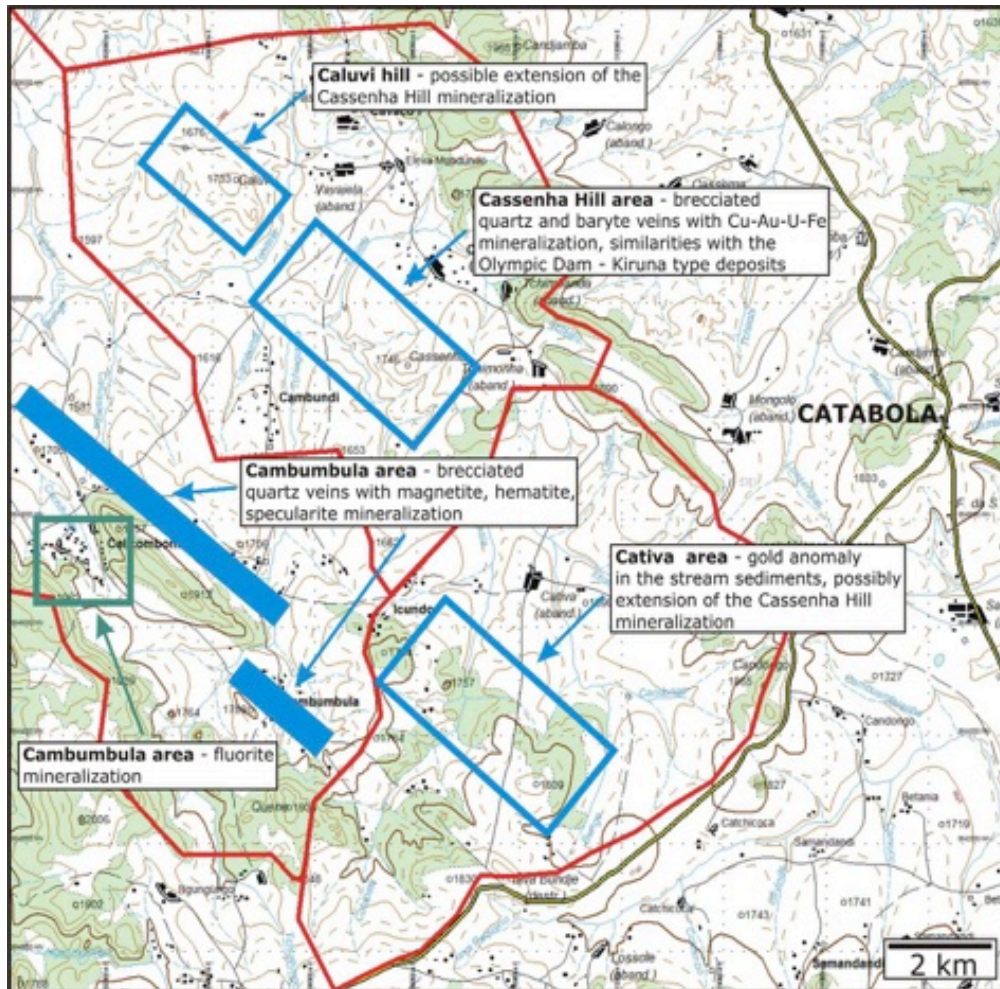
# Ozango Licence – World Class Target Areas



- Ozango licence provides 3 major world class target areas over 3,670km<sup>2</sup>



# Catabola - Gold/Copper Prospect Areas



## Cassenha Hill (Copper/Gold):

### • BEST RESULTS (0.25% Cu cutoff)

- CHD005 – 24m @ 1.23% Cu From 12m  
Including 12m @ 1.95% Cu from 12m
- CDH006 – 24m @ 1.49% Cu From 84m  
Including 9m @ 3.11% Cu from 87
- CDH007 – 20m @ 0.68% Cu From 57  
Including 4m @ 1.21% Cu from 60m

### • BROAD MINERALIZED COOPER ZONES (0.1% Cu Cutoff)

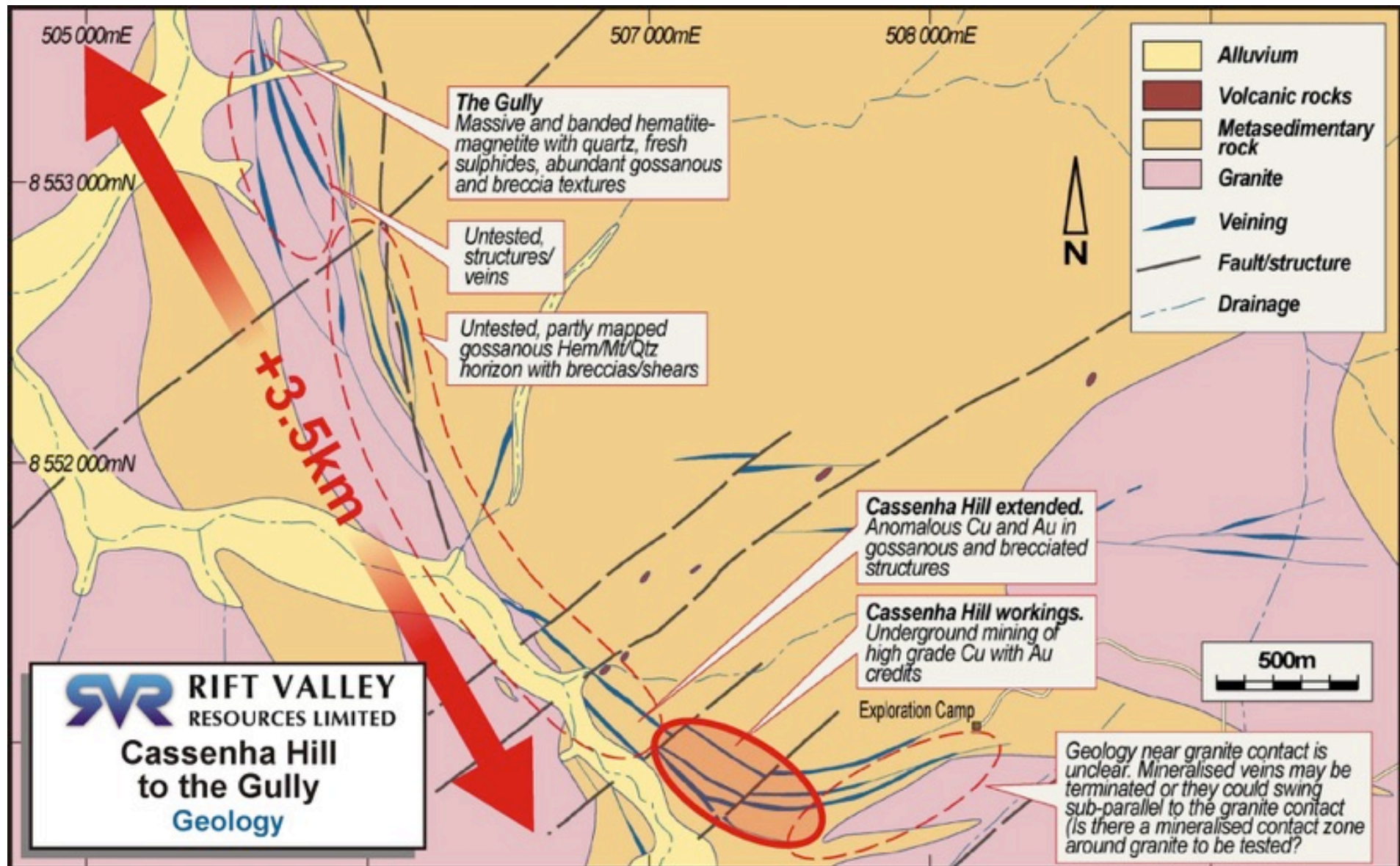
- 33m @ 0.94% Cu From 3m
- 70m @ 0.88% Cu From 38m
- 49m @ 0.7% Cu from 25m

## Cambumbula – Cativa (Copper-Gold-Iron):

- New area, known mineralised zone 5,000m x 400m
- Possible length >2km
- Lenses of massive magnetite/hematite up to 600m x 200m
- Drill ready



# Cassenha Hill – Potential Strike Extension

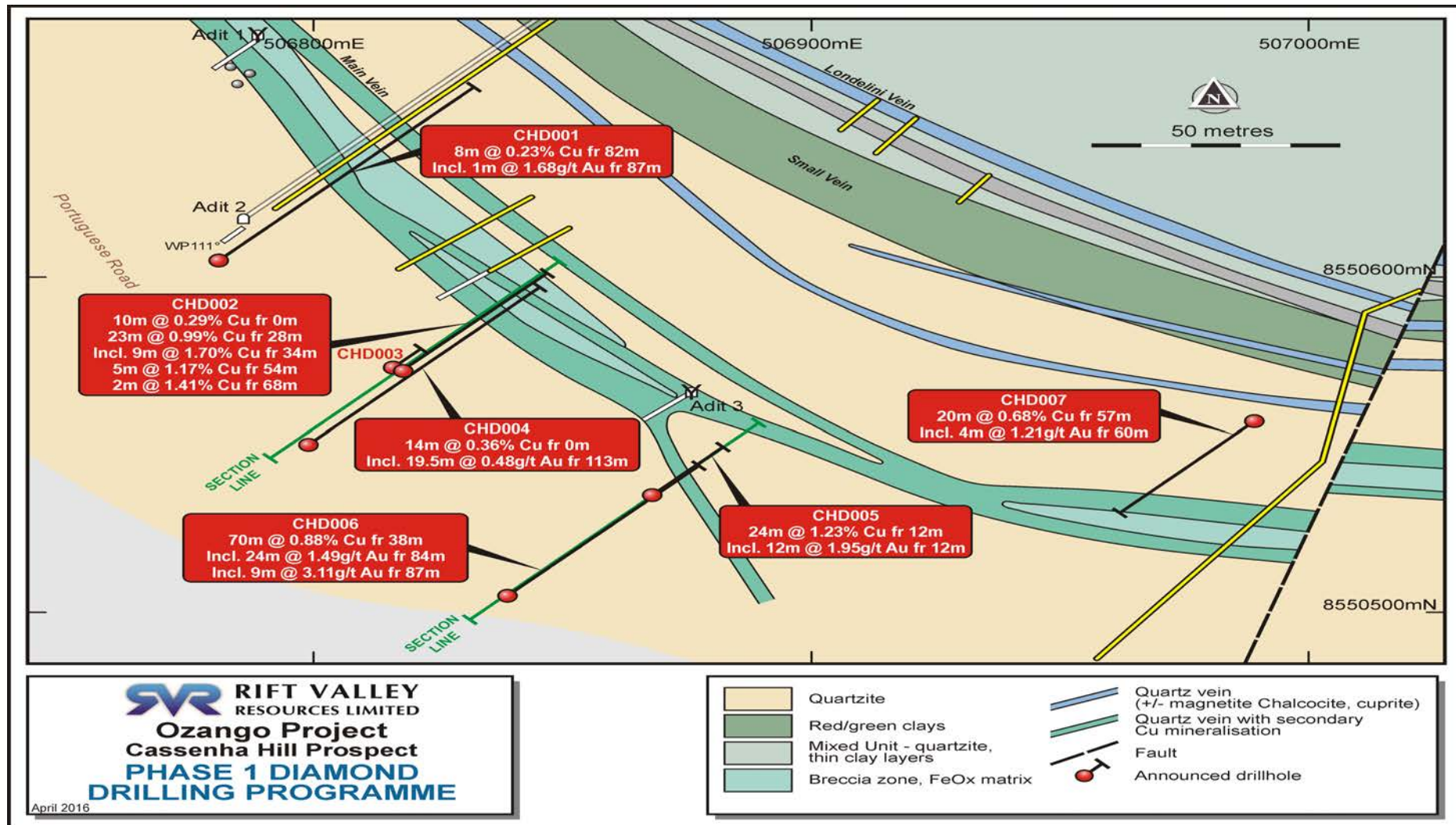


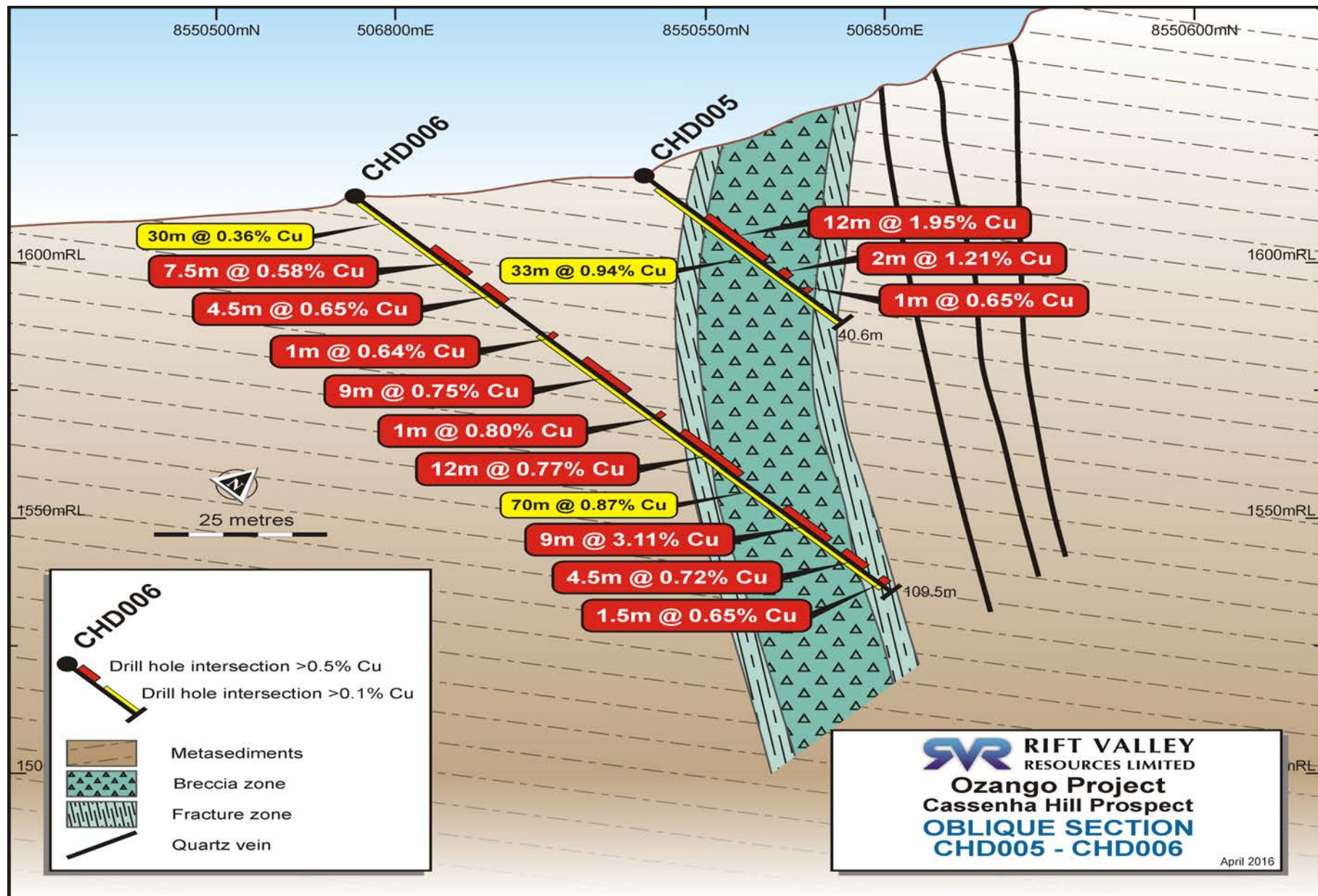


# Cassenha Hill Prospect



- Maiden 6 hole diamond drilling program – nominal 1000m

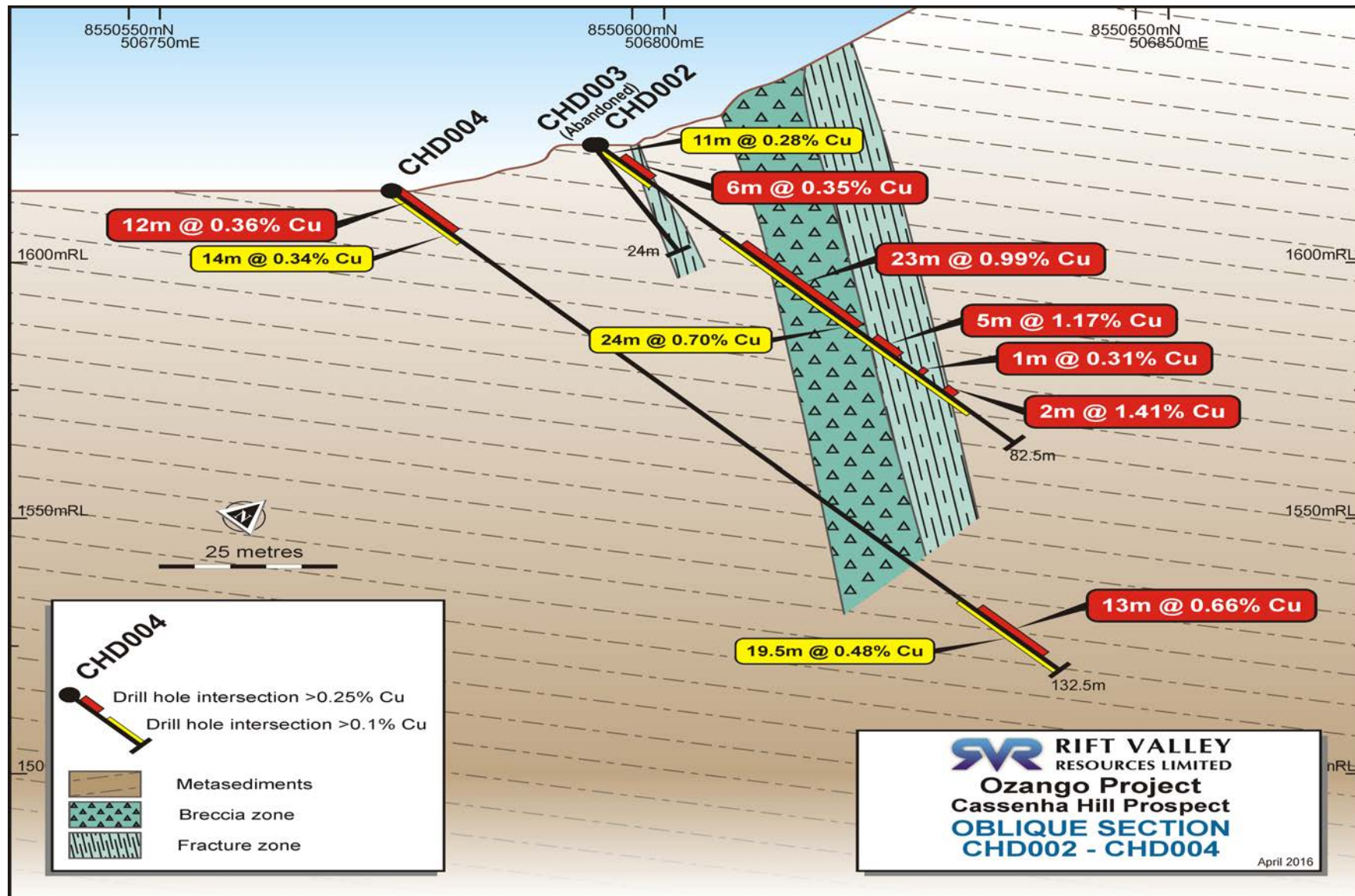




**RIFT VALLEY**  
RESOURCES LIMITED  
**Ozango Project**  
Cassenha Hill Prospect  
**OBLIQUE SECTION**  
**CHD005 - CHD006**

April 2016







# Cassenha Hill





# Gold and Copper Mineralisation

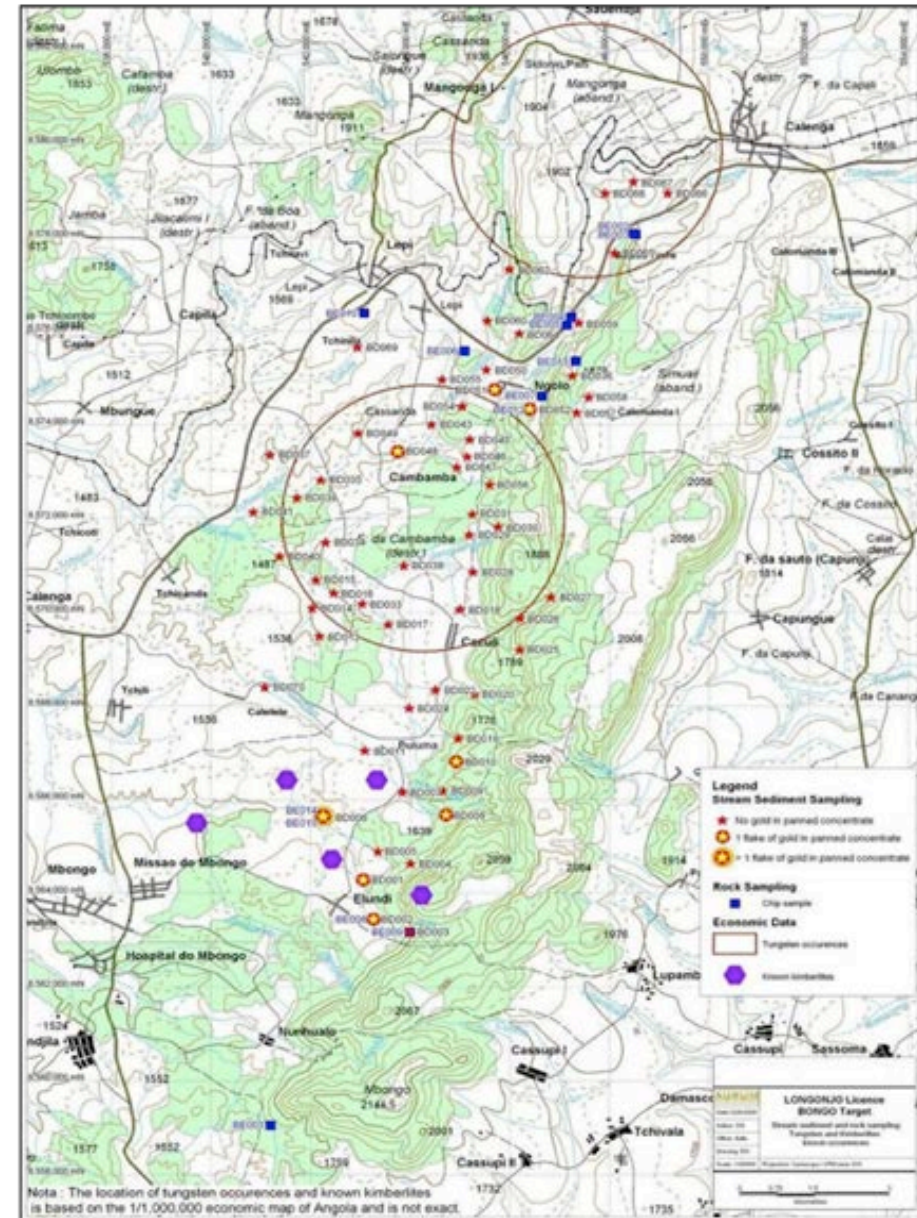
---



# Bongo Gold Prospect – 230km<sup>2</sup>



- Over 10 km long fault zone structure.
- SRK Consulting (Sept 2010) review compares the Bongo gold target with the 5 million oz Macraes Flat project in New Zealand
- Prospective for shear hosted gold mineralization
- Abundant alluvial gold identified in panned concentrates
- Systematic stream sediment sampling program currently underway

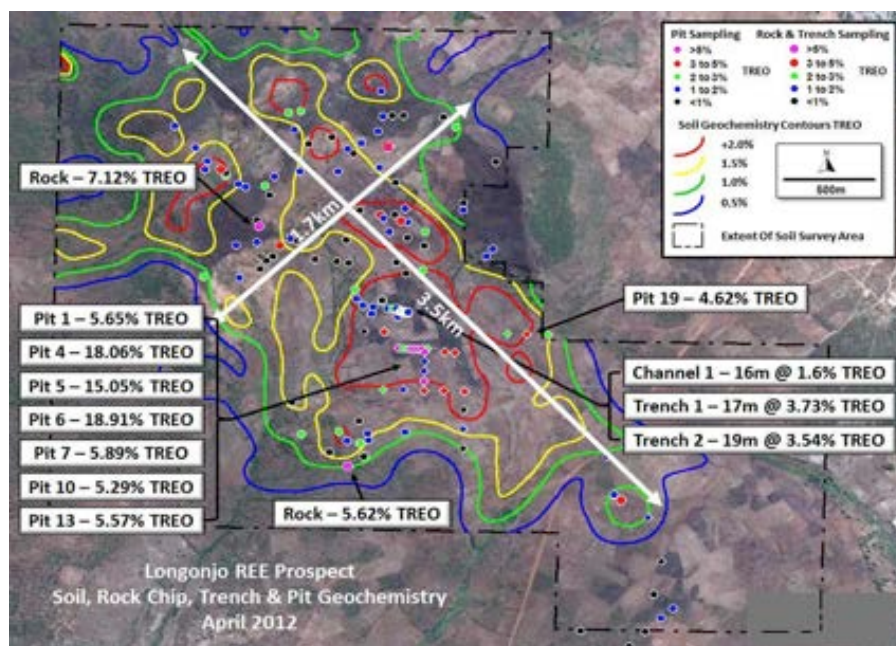




# Logonjo Rare Earth



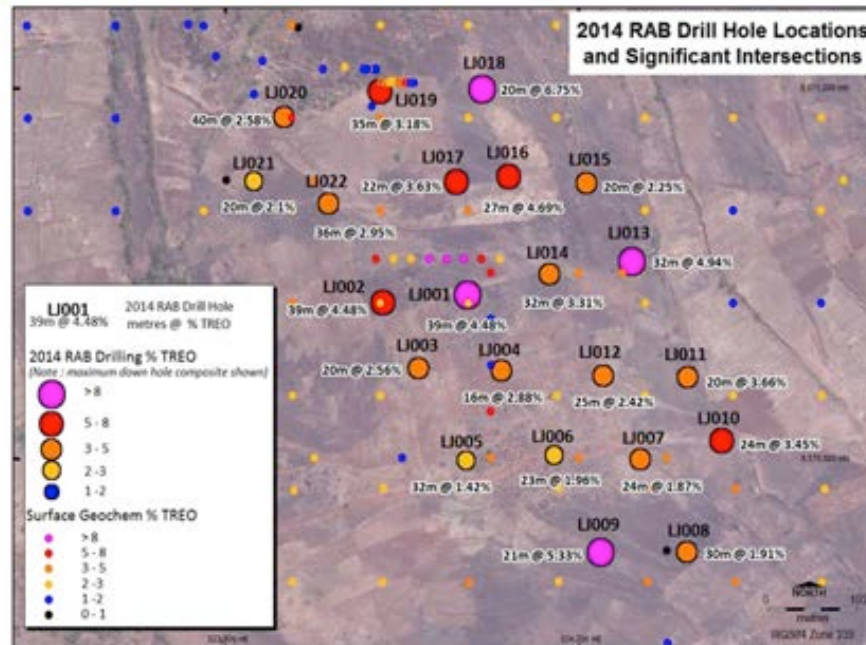
- Large prospective area with infrastructure



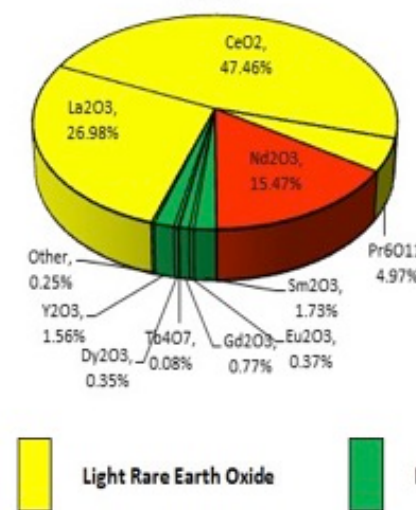
	La <sub>2</sub> O <sub>3</sub> %	CeO <sub>2</sub> %	Pr <sub>6</sub> O <sub>11</sub> %	Nd <sub>2</sub> O <sub>3</sub> %	Sm <sub>2</sub> O <sub>3</sub> %	Gd <sub>2</sub> O <sub>3</sub> %	Y <sub>2</sub> O <sub>3</sub> %	Other %	TREO %
RVY drill campaign	0.78	1.38	0.14	0.45	0.05	0.02	0.05	0.03	2.96

	La <sub>2</sub> O <sub>3</sub> %	CeO <sub>2</sub> %	Pr <sub>6</sub> O <sub>11</sub> %	Nd <sub>2</sub> O <sub>3</sub> %	Sm <sub>2</sub> O <sub>3</sub> %	Gd <sub>2</sub> O <sub>3</sub> %	Y <sub>2</sub> O <sub>3</sub> %	Other %	TOTAL %
RVY Drill Campaign	27	47	5	15	2	1	2	1	100
Peak Ore Resource	27	48	5	17	2	1	0	0	100

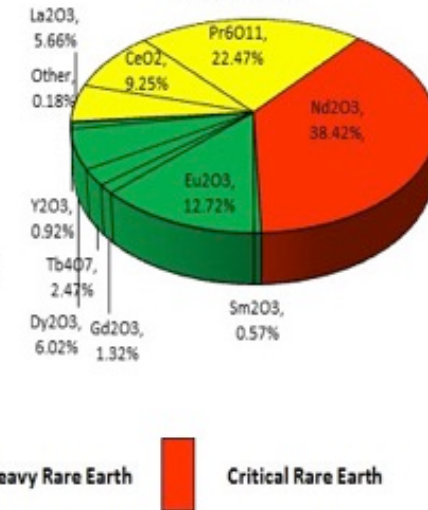
# Critical Lights and Heavies – High Grade



**Longonjo - REO distribution by Grade**



**Longonjo - REO distribution by In-situ value**



First pass exploratory drilling conducted at the Company's Longonjo prospect in February 2014 tested a robust geochemical anomaly and returned high grade rare earth assays, as total rare earth oxides (TREO), from every hole from surface to blade refusal. From a total of 168 composite samples generated during the campaign, the highest grade returned was 11.32%, the lowest 0.45%, with an average of 2.96% TREO over all of the samples

# Metallurgical Test Work



- Beneficiation test work produced a concentrate containing 19.44% Rare Earth Oxides (REO)
- Results to date represent a greater than 3 times upgrade of the head sample
- Mineralogical test work better defines the oxide material
- Leach recovery test work has commenced on beneficiated concentrate
- Beneficiation produces approximately 60% in situ value of praseodymium and neodymium used in new rare earth magnets and battery technology







- DRILLING RESULTS CASSENHA HILL
- TRENCHING CASSENHA HILL- ASSAY RESULTS
- TENEMENT WIDE STREAM SEDIMENTS - ASSAY RESULTS
- DRILLING PROGRAME MIYABI –MAY 16
- REGIONAL ROCK CHIPPING & TRENCHING BONGO
- DRILLING PROGRAEME CASSENHA HILL
- COMPLETION DESKTOP STUDY REE

# Mineral Resources



**Miyabi Gold Project July 2015 Mineral Resources at 0.5g/t Au Cut-off**

Deposit	Indicated		Inferred		Total		
	Mt	g/t	Mt	g/t	Mt	g/t	Ounces
Dalafuma	0.5	5.4	0.7	3.1	<b>1.3</b>	<b>4.1</b>	<b>166,700</b>
Faida	3.3	1.4	2.2	1.2	<b>5.6</b>	<b>1.3</b>	<b>241,100</b>
Kilimani	2.7	1.3	1.0	1.4	<b>3.7</b>	<b>1.3</b>	<b>156,700</b>
Ngaya			1.7	1.1	<b>1.7</b>	<b>1.1</b>	<b>57,700</b>
Shambani	0.5	1.8	1.6	1.0	<b>2.1</b>	<b>1.2</b>	<b>81,300</b>
<b>Total</b>	<b>7.1</b>	<b>1.7</b>	<b>7.3</b>	<b>1.4</b>	<b>14.3</b>	<b>1.5</b>	<b>703,500</b>

**Kitongo Gold Project 2006 Inferred Mineral Resource**

Type	1.0g/t Au Cut-off			0.5g/t Au Cut-off		
	Mt	g/t	Moz	Mt	g/t	Moz
Laterite	0.4	2.1	0.03	0.8	1.3	0.04
Highly Ox	2.4	2.2	0.17	3.8	1.7	0.21
Moderately Ox	0.4	2.0	0.03	0.7	1.5	0.04
Fresh	1.2	1.7	0.07	2.5	1.2	0.09
<b>Total</b>	<b>4.4</b>	<b>2.0</b>	<b>0.29</b>	<b>7.8</b>	<b>1.5</b>	<b>0.37</b>



# Contact Details

---



**Managing Director - Geoff Gilmour**  
ggilmour@riftvalleyresources.com.au

**Address:**

Ground floor, 10 Outram Street  
West Perth WA 6005

**Phone:**

08 9221 0090

**Email:**

info@riftvalleyresources.com.au

# Disclaimer

---



This presentation has been prepared by Rift Valley Resources Ltd (“Company”). The presentation does not contain all the information that a prospective investor may require about the companies, their business or the proposal. It is not a complete statement of material information. Except where stated, the information disclosed in this presentation (“Information”) relates to the proposed business of the Company at the date of this document. This presentation does not contain advice relating to legal, taxation or investment matters. Each Company makes no representation or warranty (express or implied) as to the accuracy, reliability or completeness of the Information. Each Company and its subsidiaries, directors, employees, agents and consultants shall have no liability (including liability to any person by reason of negligence or negligent misstatement) for any statements, opinions, information or matters (express or implied) arising out of, contained in or derived from, or for any omissions from this presentation, except liability under statute that cannot be excluded.

This presentation may contain reference to certain intentions, expectations and plans of a Company (“forward looking statements”). Those intentions, expectations and plans may or may not be achieved. Any forward looking statements are subject to inherent risks and uncertainties and are based on certain assumptions that may not be met or on which views may differ. The performance and operations of a Company may be influenced by a number of factors, many of which are outside the control of the Company. Actual future results may be materially different. No representation or warranty, express or implied, is made by either Company or any of its directors, officers, employees, advisers or agents that any intentions, expectations or plans will be achieved either totally or partially or that any particular rate of return will be achieved. You are cautioned against relying upon any forward looking statement in this document.

This presentation does not contain an offer of securities in a Company, nor an invitation to apply for such securities. Nothing in this document should be construed as investment advice or financial product advice, whether personal or general, for the purposes of Section 766B of the Corporations Act. The document does not involve or imply a recommendation or a statement of opinion in respect of whether to buy, sell or hold a financial product. You should obtain professional advice and carry out your own independent investigations and assessment of the Information before acting.

Information in this presentation which is attributed to a named third party source has not been checked or verified by the Company. This presentation remains the property of Rift Valley Resources Ltd and may not be reproduced, distributed, transmitted or published (in whole or in part) without the prior consent of the Company.

We advise in accordance with Australian Stock Exchange Limited Listing Rules 5(6) that the exploration results for the Ozango Project contained within this ASX Release is based on information compiled by Mr Greg Cunnold who is a member of the Australian Institute of Mining and Metallurgy. Mr Cunnold is a director and shareholder of Rift Valley Resources Ltd and has consented in writing to the inclusion in this ASX Release of matter based on the information so compiled by him in the form and context in which it appears. Mr Cunnold has sufficient experience relevant to the style of mineralisation and type of deposit under consideration to be qualified as a Competent Person as defined by the 2012 Edition of the “Australian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves”.

The information in this report that relates the Exploration Results and Mineral Resources for the Kitongo and Miyabi gold deposits is based on information compiled by Mr Paul Payne, a full time employee of Payne Geological Services and a Member of The Australasian Institute of Mining and Metallurgy. Mr Payne is a consultant to and a shareholder of Rift Valley Resources and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Payne consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

All information relating to Mineral Resources was prepared and disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last updated