

MOD RESOURCES LIMITED and TSHUKUDU METALS BOTSWANA (Pty) LIMITED

AFRICA DOWNUNDER - 7 September 2017

Recent Developments at T3 Copper Project, Botswana



Disclaimer and Forward Looking Statements

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The Competent Person responsible for the geological interpretation, Mineral Resource estimation and classification of the T3 and T1 Copper/Silver Projects is Mr A.I. Pretorius, who is a full-time employee of Sphynx Consulting CC and registered with SACNASP (400060/91). Mr Pretorius has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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'.

Information in this presentation which relate to mineral resources, drilling and exploration at the Botswana Copper Project is reviewed and approved by Jacques Janse van Rensburg, BSc (Hons), Business Development Manager for MOD Resources. He is registered as a Professional Natural Scientist with the South African Council for Natural Scientific Professions (SACNASP) No. 400101/05 and has reviewed the technical information in this report. Mr Janse van Rensburg has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and the activity which it is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves. Mr Janse van Rensburg consents to the inclusion in this presentation of the matters based on information in the form and context in which it appears.

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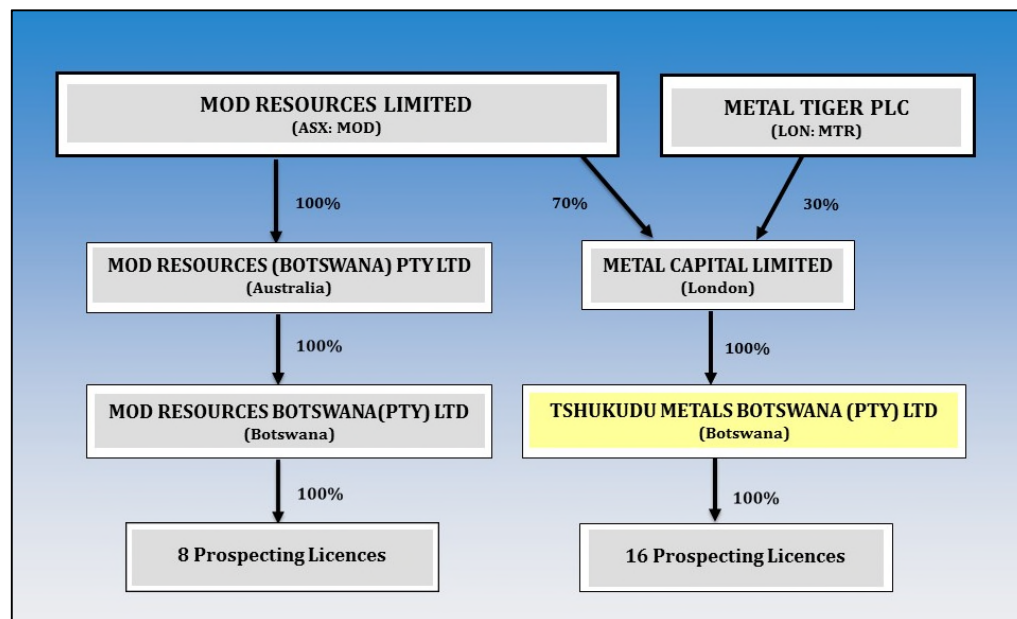
No New Information

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SNAPSHOT

- ❖ **Substantial holding (>11,700km²) in central Kalahari Copper Belt, Botswana**
- ❖ **District scale potential, minimal previous exploration, numerous targets**
- ❖ **T3 is first major copper/silver discovery in Ghanzi District (March 2016)**
- ❖ **Feasibility studies for 10 year open pit mine, target decision to mine end 2018**
- ❖ **Six drill rigs testing T3 pit extensions and high grade underground potential**
- ❖ **Numerous other EM and Cu soil anomalies along ~150km long corridor**
- ❖ **Very experienced, well funded, exploration, development and production team**
- ❖ **Tshukudu Metals manages site activities, training and employment in Ghanzi**

TSHUKUDU METALS BOTSWANA (PTY) LTD



Botswana operating company funded by Australian, UK and Canadian investors through MOD and Metal Tiger

Very experienced Botswana team, supported by Australian specialists

Operations based in Ghanzi District with strong local support

Established training & employment, and supporting local business

Board and Management

Boikobo Paya: Chairman. Botswana Geologist, former Permanent Secretary for Mines Ministry, MMEWR

Julian Hanna: MOD Managing Director. Geologist, former MD (12 yrs) of nickel miner, Western Areas

Gaba Chinyepi: Director & Country Manager. Geologist graduate from University of Western Australia.

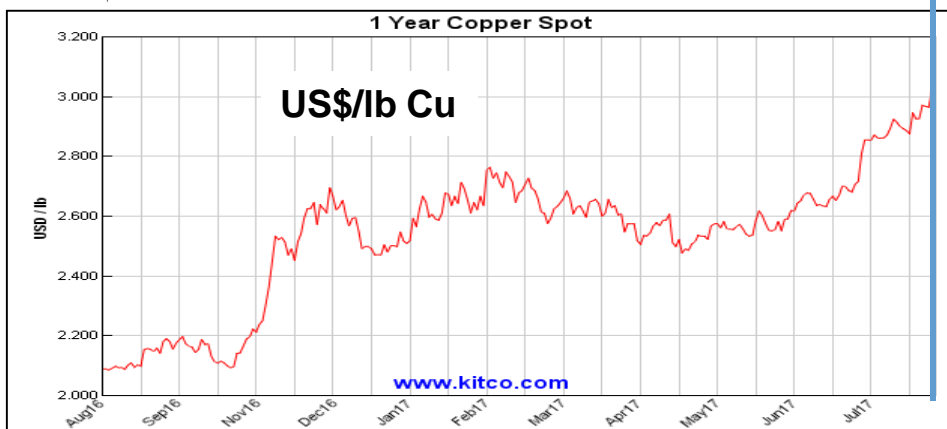
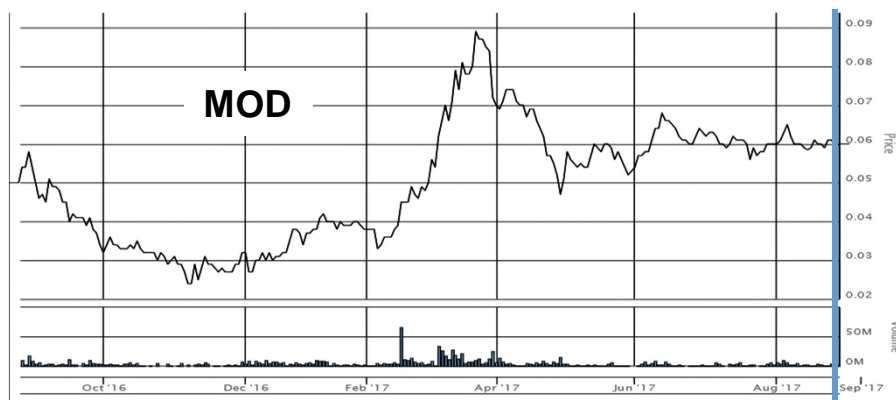
Mark Clements: MOD Chairman. Accountant, 25 yrs experience in ASX resource companies

Leutlwetse Tumelo: Director. Previous head of client services with leading stockbroker in Gaborone

Kebalemogile Tau: Exploration Manager. Exploration & mining geologist, African Copper and Tati Nickel

MOD RESOURCES LTD

Past 12 months



Australian Listed Resource Company

ASX Code: 'MOD'

Market Cap: ~A\$120M

Cash: A\$15.8M*

** As at 30 June 2017*

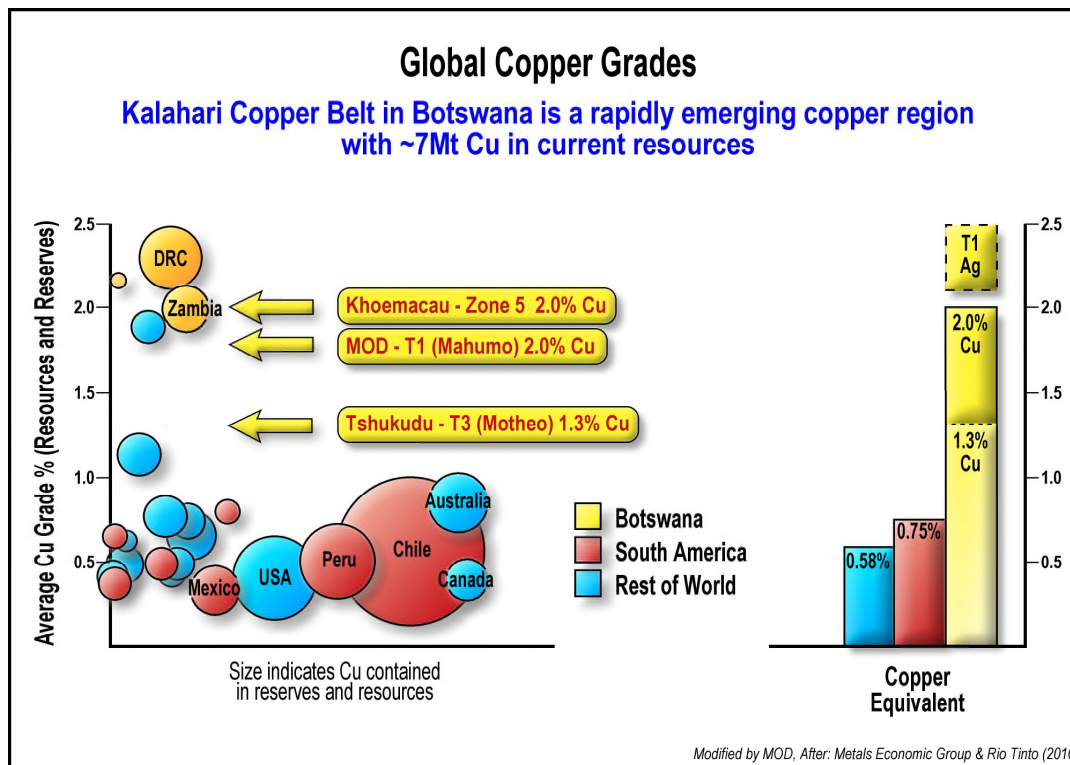
MOD & JV partner Metal Tiger Plc raised ~A\$25m in past 12 months from Australian, UK, US investors for Botswana exploration and feasibility



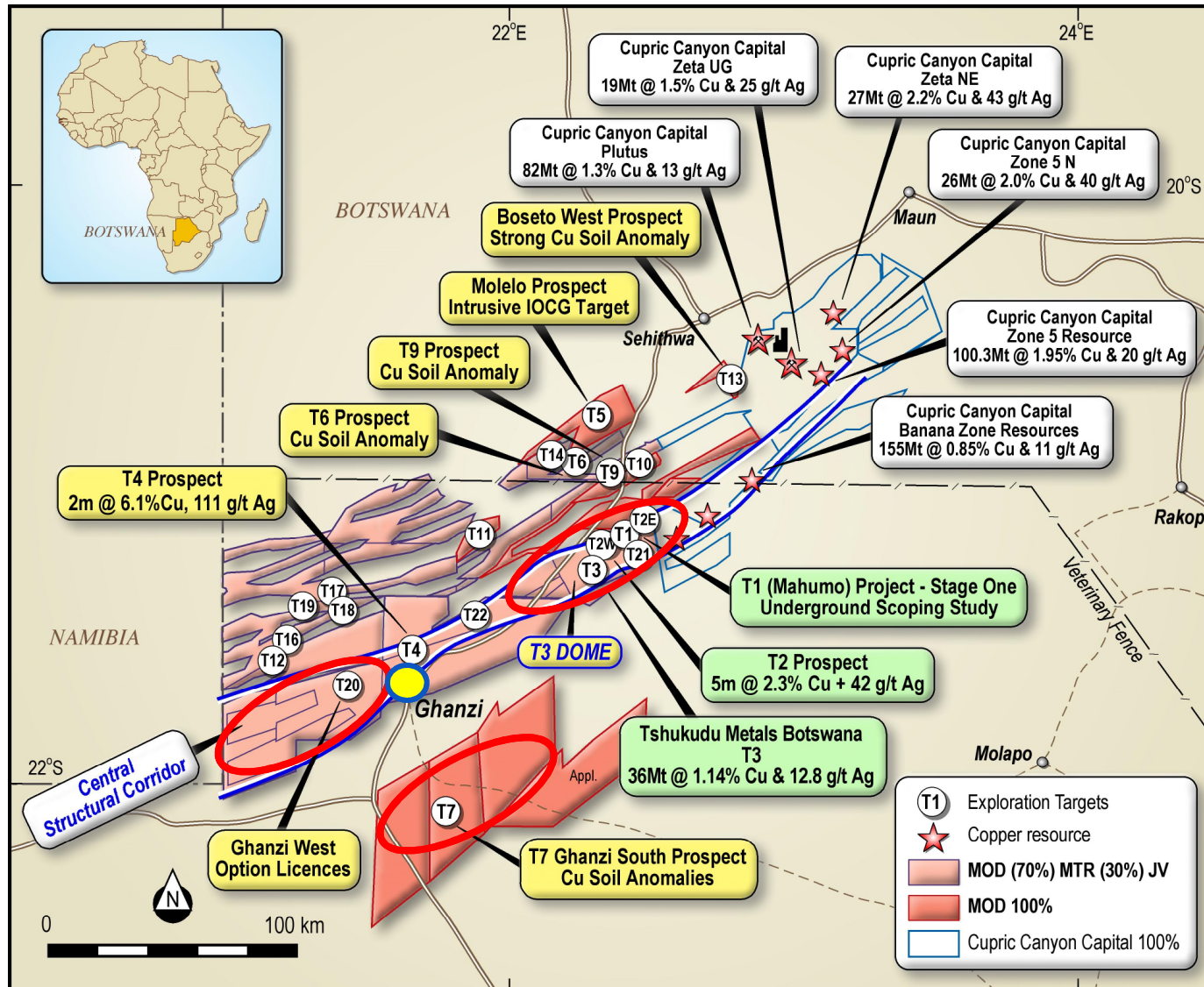
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Kalahari Copper Belt - Global Copper Advantage

- Sediment hosted, similar type Zambia/DRC. Calcrete cover, minimal previous drilling
- Copper grade 'niche' : 1.3% to 2.0% Cu, with significant silver credits
- High quality & grade concentrates (~40% Cu). Low transport cost, smelter advantage
- Long established mining industry, skilled work force, low sovereign risk
- Ghanzi Highway runs ~300km along Copper Belt. Grid power due ~ 2020



Kalahari Copper Belt – MOD and Tshukudu licences



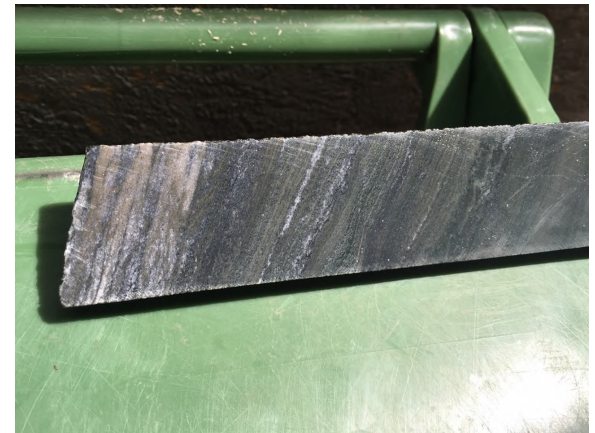
Priorities: Development of T3 mine and exploration of central 200km of copper belt 7

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T3 GEOLOGY



ASX: MOD



T3 Geology

- ✓ **T3 discovered below shallow calcrete cover. Subtle 28ppm Cu soil anomaly**
- ✓ **Discovery intersection (March 2016) : 52m @ 2.0% Cu from 76m depth**
- ✓ **Resource up to 100m true width. Shallow north dip, minimal oxidation**
- ✓ **Sediment hosted vein, breccia and disseminated Cu/Ag mineralisation**
- ✓ **Probably related to a flat, mineralised, thrust contact, 300m below T3**
- ✓ **First airborne EM survey successful - multiple drilling targets identified**
- ✓ **District scale exploration targets : >50km 'T3 Dome' and >60km 'T20 Dome'**
- ✓ **Preparing environmental approvals (DEA) to expand drilling activities**

Past 12 Months

- ✓ **September 2016 – Initial resource : 28.3Mt @ 1.24% Cu & 16g/t Ag (350Kt Cu)**
- ✓ **December 2016 – Announce Scoping Study (NPV US\$297M @ \$3.00/lb Cu)**
- ✓ **January 2017 – Prospecting Licences transferred to Tshukudu Metals**
- ✓ **March 2017 – Intersect 72m @ 1.5% Cu, 27g/t Ag (Zone 2) below resource**
- ✓ **July 2017 – 19 new EM anomalies identified along 50km long ‘T3 Dome’**
- ✓ **August 2017 – 16% increase in T3 resource >400Kt Cu & 14.8Moz Ag**

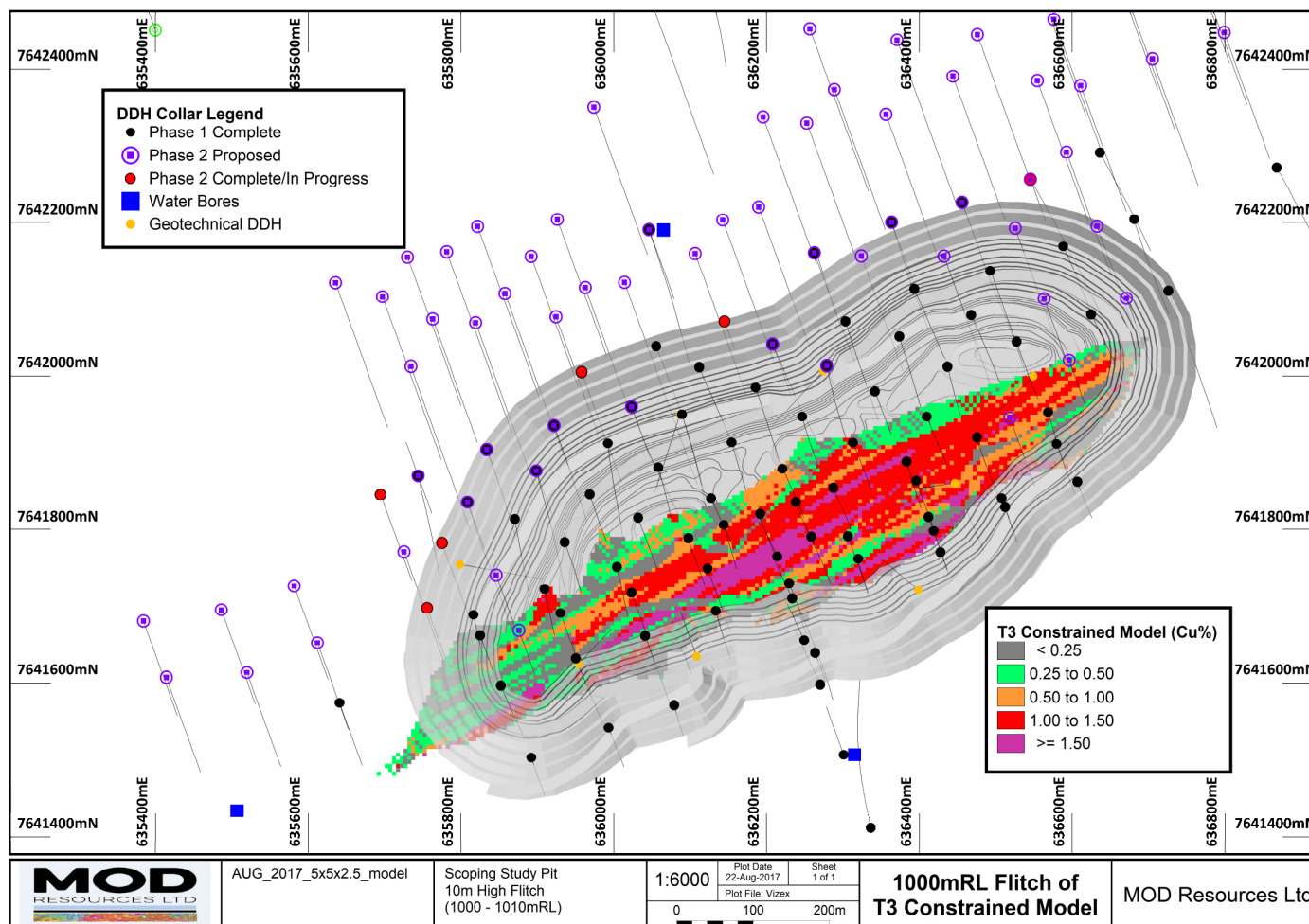
Current

- **Drilling resource extensions, testing high grade U/G vein potential, IP targets**
- **T3 open pit PFS progressing well - due for completion end December 2017**
- **Major exploration campaign along 150km corridor – ‘T3 Dome’ & ‘T20 Dome’**

T3 Revised Resource – Announced 24 August 2017

JORC Category	Cut-off Cu%	Tonnes	Grade Cu%	Grade Ag g/t	Contained Cu (Kt)	Contained Ag (Moz)
Measured	0.5	8,954,000	1.27	12.50	113.45	3.60
	1	6,548,000	1.45	13.58	94.62	2.86
	1.5	2,179,000	1.90	17.91	41.49	1.25
Indicated	0.5	11,202,000	1.19	12.50	133.43	4.50
	1	7,240,000	1.42	14.07	102.52	3.28
	1.5	2,200,000	1.89	18.07	41.62	1.28
Inferred	0.5	15,810,000	1.03	13.09	162.04	6.65
	1	6,786,000	1.42	16.59	96.09	3.62
	1.5	2,108,000	1.91	20.66	40.16	1.40
TOTAL	0.5	35,966,000	1.14	12.79	408.93	14.79
	1	20,574,000	1.43	14.73	293.18	9.74
	1.5	6,487,000	1.90	18.84	123.25	3.93

T3 – Plan of 10 year pit design & current drilling

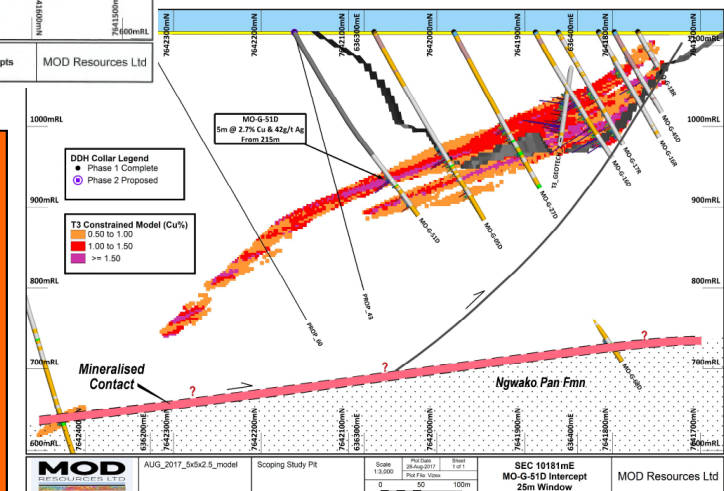
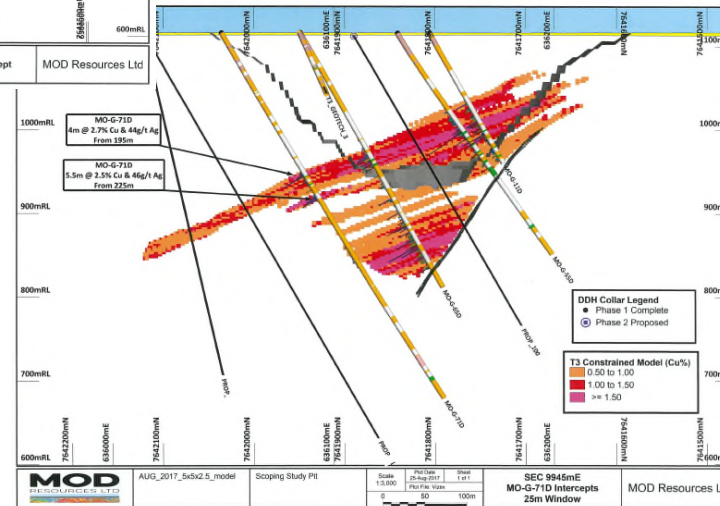
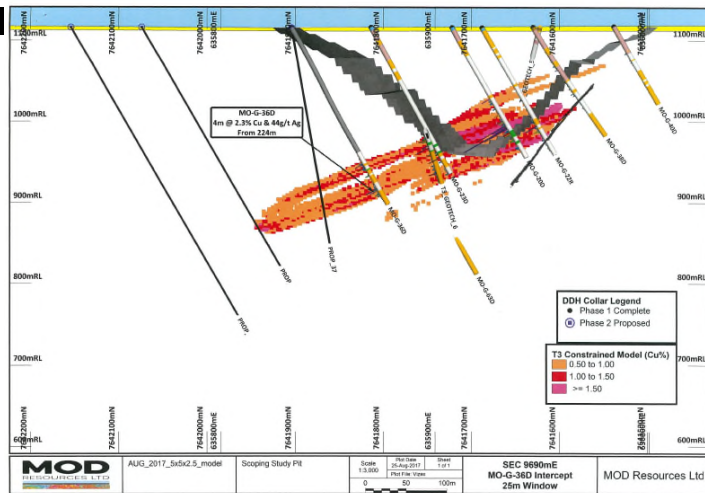


- Resource up to 180m horizontal width @ >1% Cu (1,000m RL)
- Drilling resource extensions along strike and down dip from pit

ASX

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T3 – Resource sections looking east (spaced ~250m apart)



- Resource up to 100m width (at 0.5% Cu cutoff)
- Drilling high grade vein extensions down dip
- Interpreted thrust along mineralised contact with Ngwako Pan Fmn, 300m below top of T3

T3 FEASIBILITY STUDIES



ASX: MOD

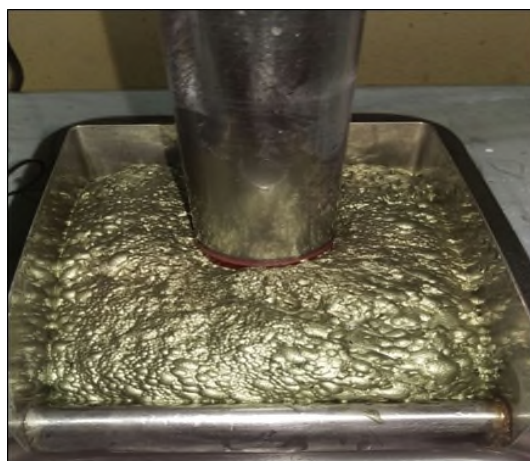


T3 Scoping Study – Announced 7 December 2016

- ✓ **Base Case Model: 10 year, 2Mtpa production, 20-25Ktpa Cu open pit**
- ✓ **Robust economics: NPV₁₀ US\$180M @ \$2.53/lb Cu. US\$297M @ \$3.00/lb Cu**
- ✓ **Target: Completion of PFS by end 2017 and Decision to Mine end 2018**
- ✓ **Environmental studies and stakeholder engagement for EIA in progress**
- ✓ **Drilling and studies evaluating potential increase in resource and production**
- ✓ **Strong local support to create new employment in Ghanzi District**

T3 - Outstanding Metallurgical Testwork Results

Composite	Mass Pull %	Calc Head		Copper		Silver		Bond WI kWh/t
		Cu %	Ag ppm	% Rec	Conc Grade %	% Rec	Conc Grade ppm	
Chalcopyrite	4.1	1.40	7	96.5	33.0	65.9	111	14.5
Bornite	3.1	1.54	38	94.7	47.3	90.2	1101	12.3
Chalcocite	3.3	1.26	17	93.8	36.0	88.8	453	14.1
HG* Chalcopyrite	11.3	4.09	40	98.0	35.5	96.3	340	-
HG* Bornite	8.6	4.25	93	96.3	47.6	92.3	996	-
HG* Chalcocite	11.2	6.86	149	98.7	60.6	97.5	1304	-



**High grade, high quality concentrates:
lower transport cost, smelter premiums**

**Potential may exist for in-country
beneficiation dependent on defining
sufficient reserves to support this**



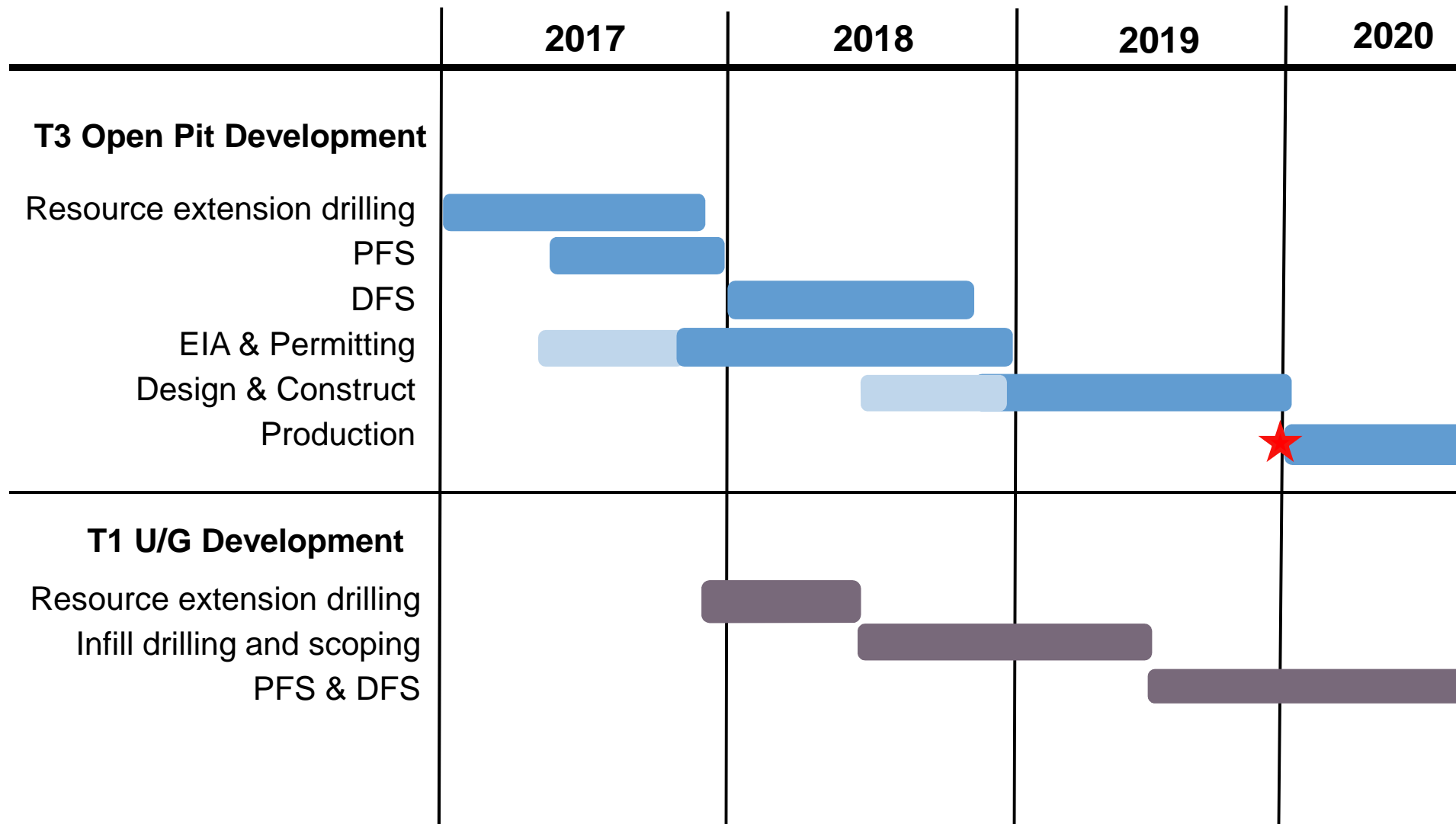
T3 - Scoping Outcomes (base case 2Mtpa production)

BASE CASE	US\$2.53/lb Cu
Cash flow (pa)	US\$44M
NPV (pre-tax)	US\$180M
IRR (pre-tax)	31%
UPSIDE CASE	US\$3.00/lb Cu
Cash flow (pa)	US\$65M
NPV (pre-tax)	US\$297M
IRR (pre-tax)	42%

MAIN CAPITAL ASSUMPTIONS

	<u>US\$m</u>
2Mtpa process plant	62.7
Infrastructure	23.0
Mine pre strip	17.6
Contingency	<u>18.3</u>
Total Capital :	135.0

Indicative Feasibility and Development Targets

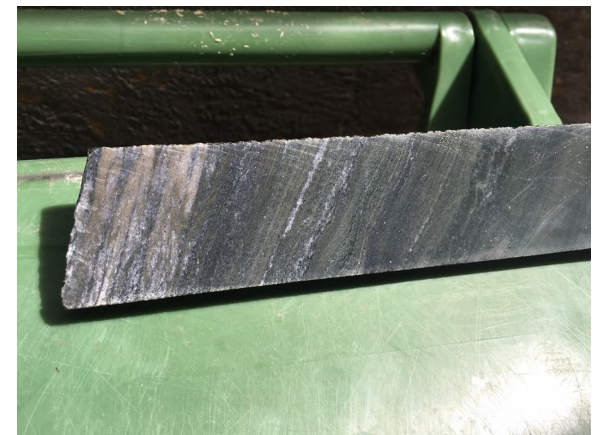


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REGIONAL EXPLORATION



ASX: MOD



Regional Exploration

DISTRICT SCALE

- ✓ **Current focus: >50km long T3 Dome and >60km long T20 Dome**
- ✓ **EM and soil anomalies extend ~150km from T3 Dome to T20 Dome**

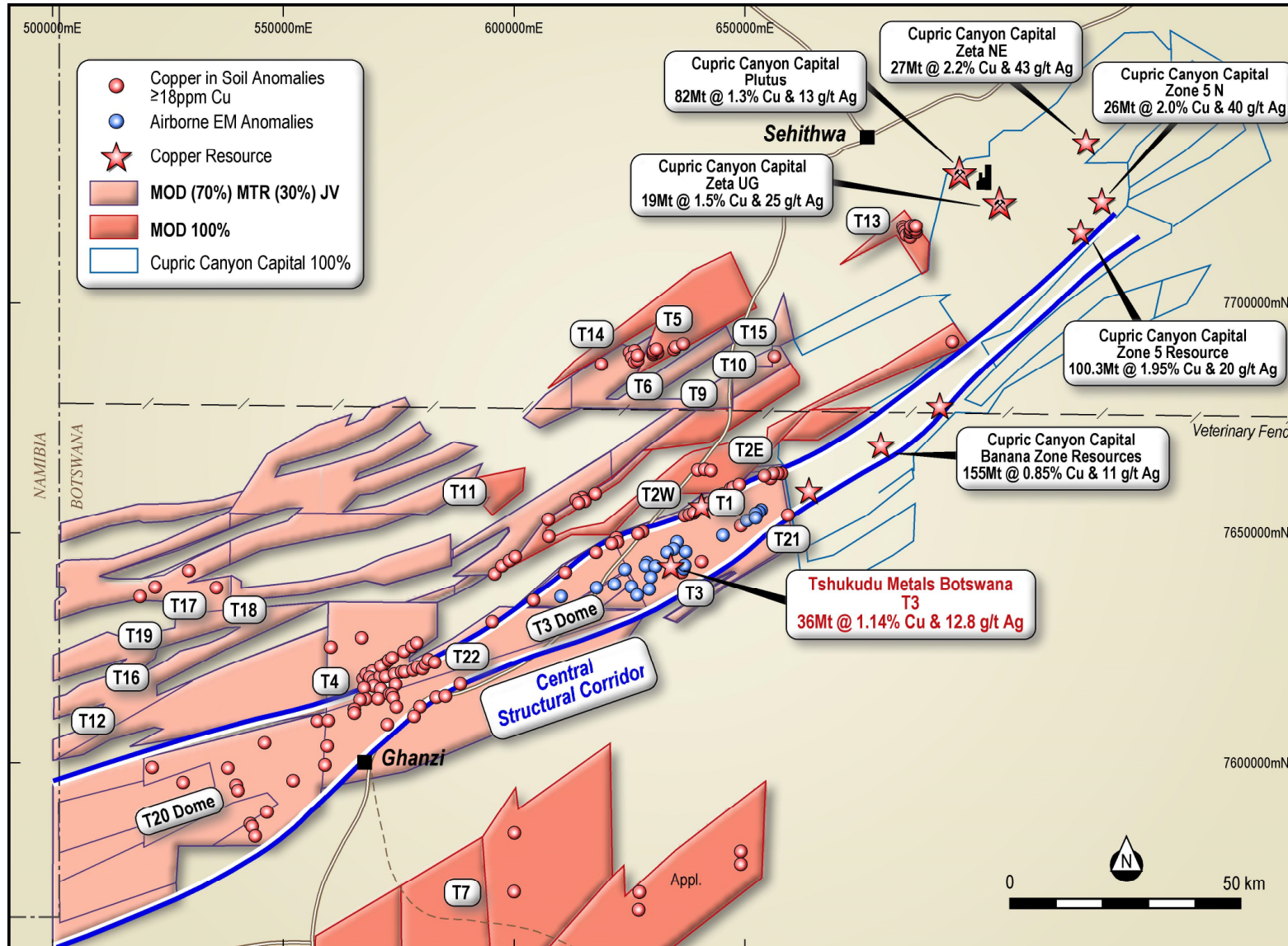
T3 Dome EM survey – many EM anomalies identified for drill testing

T20 Dome soil program – many Cu/Zn anomalies, EM survey planned

CURRENT EXPLORATION PRIORITIES

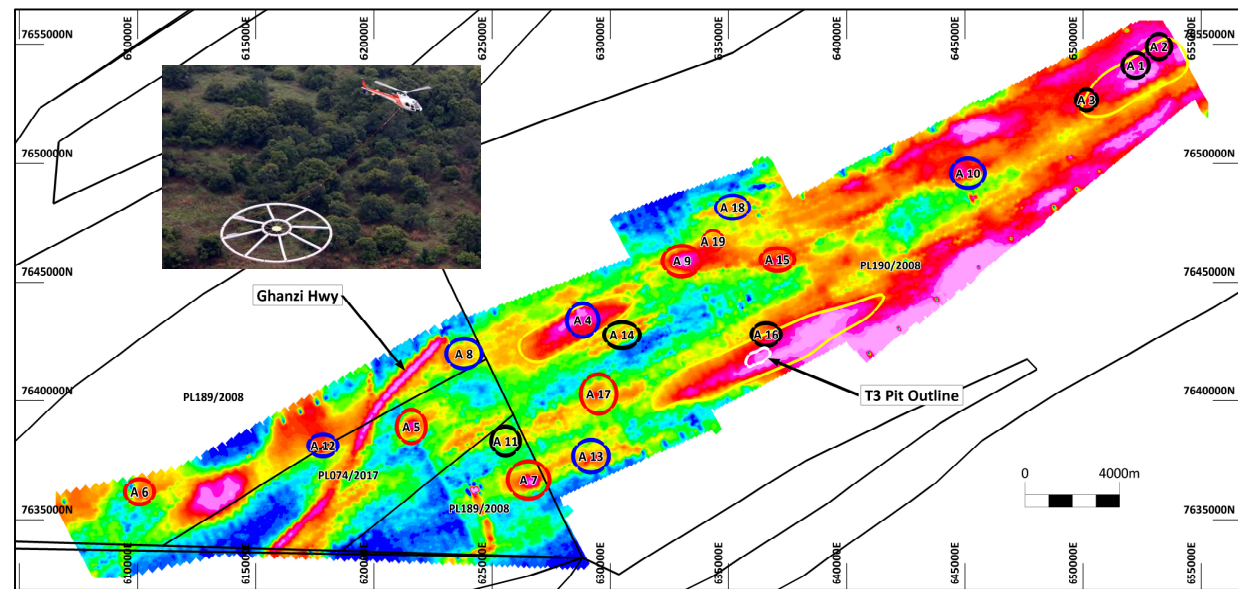
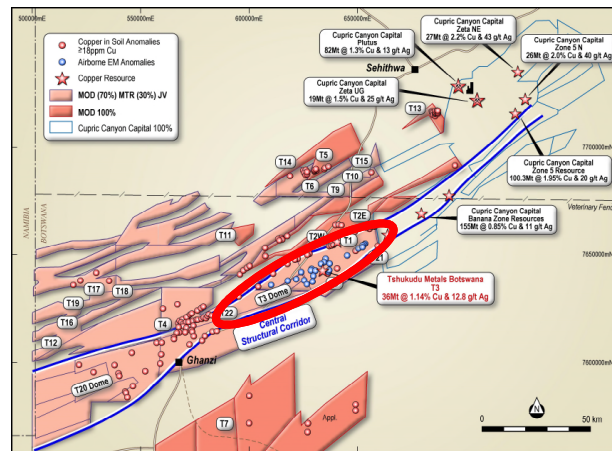
- ✓ **T3 Resource Extensions: >70 DDH holes in progress, visible Cu in most holes**
- ✓ **T1 Resource Extensions: >20 DDH holes, pending environmental approval**
- ✓ **T3 Dome: >60 DDH and RC holes, pending environmental approval**
- ✓ **T20 Dome: EM survey to cover extensive zones of soil anomalies**

Regional Exploration – EM and Soil anomalies



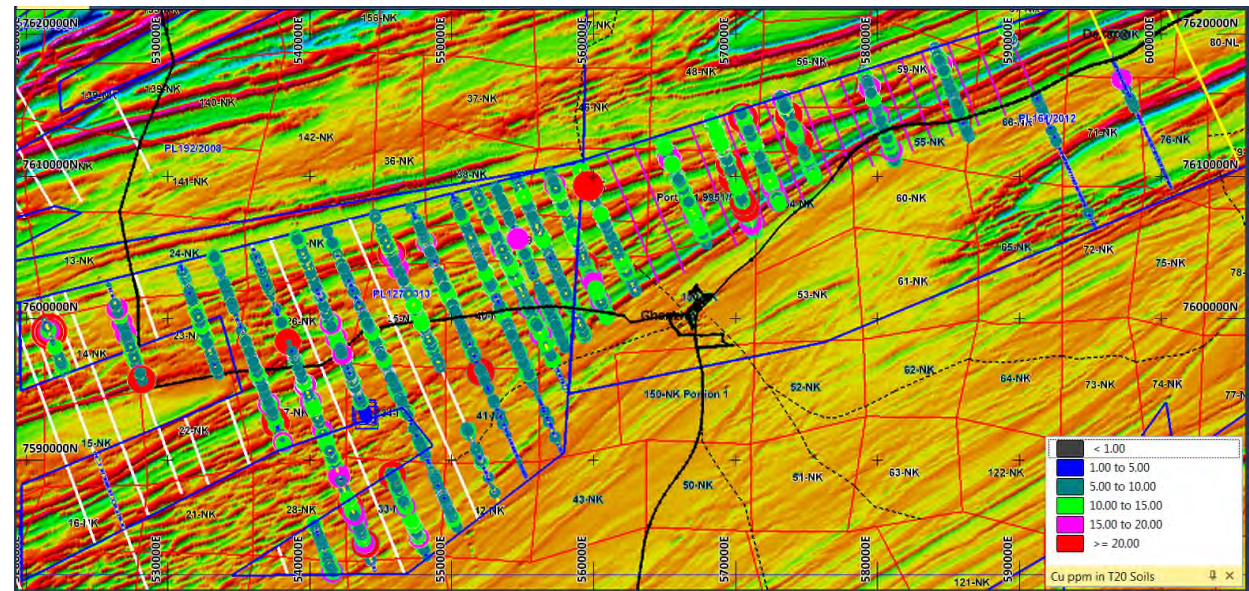
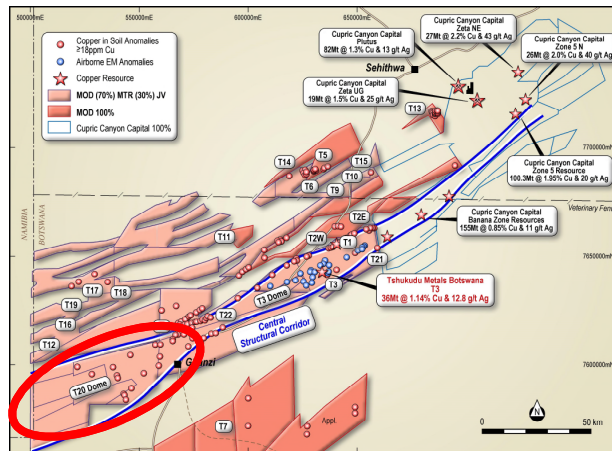
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T3 Dome: >50km long dome surrounding T3



- ~1,000km² dome, same structural zone hosts Cupric deposits (~3.5Mt Cu)
- No outcrop, extensive calcrete cover and minimal drilling outside T3
- Numerous airborne EM, IP and soil anomalies identified for drilling testing
- Environmental approval process underway to drill highest priority targets

T20 Dome: >60km long dome, ~100km west of T3



- Interpreted dome, same structural zone hosts T3 & Cupric deposits (~3.5Mt Cu)
- Soil sampling identified many Cu/Zn soil anomalies, infill sampling in progress
- Airborne EM survey to help define drilling targets below calcrete cover

CONCLUSIONS

- ❖ **District scale potential. Numerous drilling targets along ~150km corridor**
- ❖ **T3 is a new type of copper/silver deposit. Big widths, substantial upside**
- ❖ **PFS underway for 10 year open pit mine. Plus underground potential**
- ❖ **Major DDH drilling campaign in progress at T3 and surrounding targets**
- ❖ **Very experienced in country team with support from Australian specialists**
- ❖ **Low sovereign risk, supportive government, excellent infrastructure**
- ❖ **Kalahari Copper Belt and Tshukudu Metals attracting global investor interest**



Thank You

