

MOD RESOURCES LIMITED

World Copper Conference

3 - 5 April 2017

MOD Resources unveils significant new potential in the Kalahari Copper Belt



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2016 Achievements

- ✓ **Discovered significant sediment-hosted T3 deposit (MOD 70%, MTR 30%)**
- ✓ **Maiden resource just six months after discovery (350kt Cu & >14Moz Ag)**
- ✓ **Completed robust scoping study for 9-10 year mine life, 2Mtpa open pit & plant**
- ✓ **Exceptionally low discovery & resource cost of US\$1.7M (US0.22 cents/lb)**
- ✓ **Consolidated dominant holding in Kalahari Copper Belt (~11,343km²)**
- ✓ **Capital raisings to accelerate exploration and development activities**

MOD RESOURCES LTD



~ 1,500% growth during past year

ASX Code: MOD

Top 20: 50%

Issued shares: 1.86B

Options : 129M

Market Cap: ~A\$150M

Cash: A\$17.5M

Top Shareholders:

Board & Mgmt ~15%

Contango ~7%

Phoenix ~5%

COPPER OUTLOOK

**T3 target first production 2019.
showing UBS base & upside case \$/lb Cu**

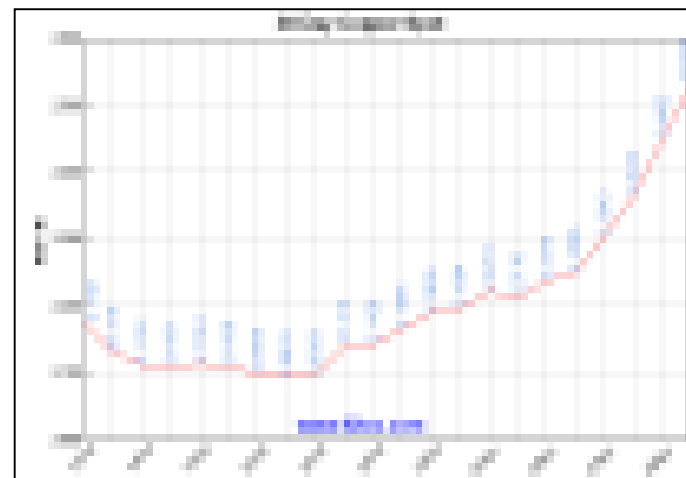


\$3.40 upside

\$3.20 - UBS
forecast

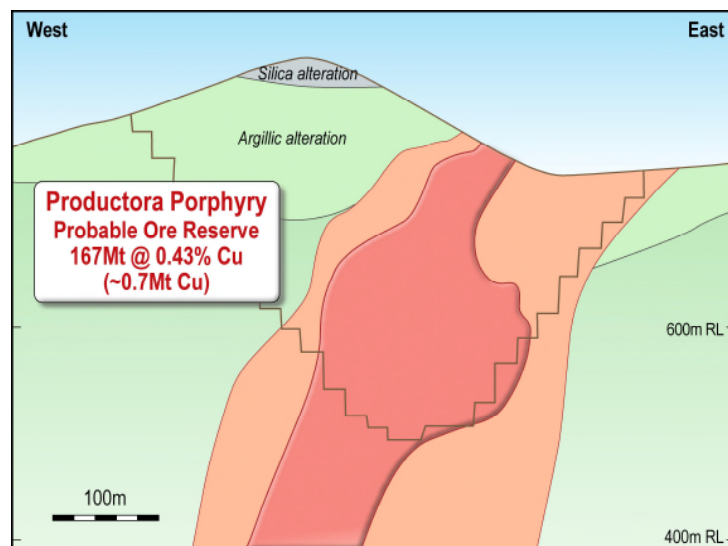
\$2.20 - downside

~20% up past 6 mths

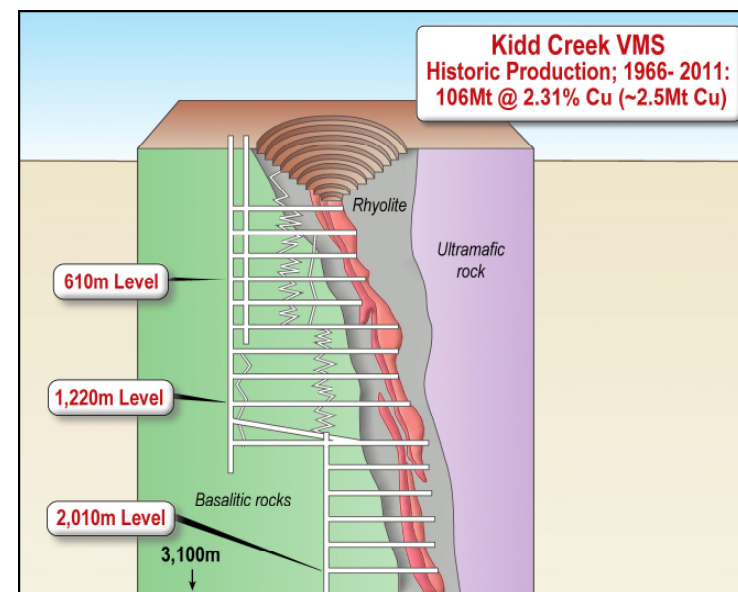


By late 2017, market focus to be on solid demand, flat mine supply growth and disruption impacts.

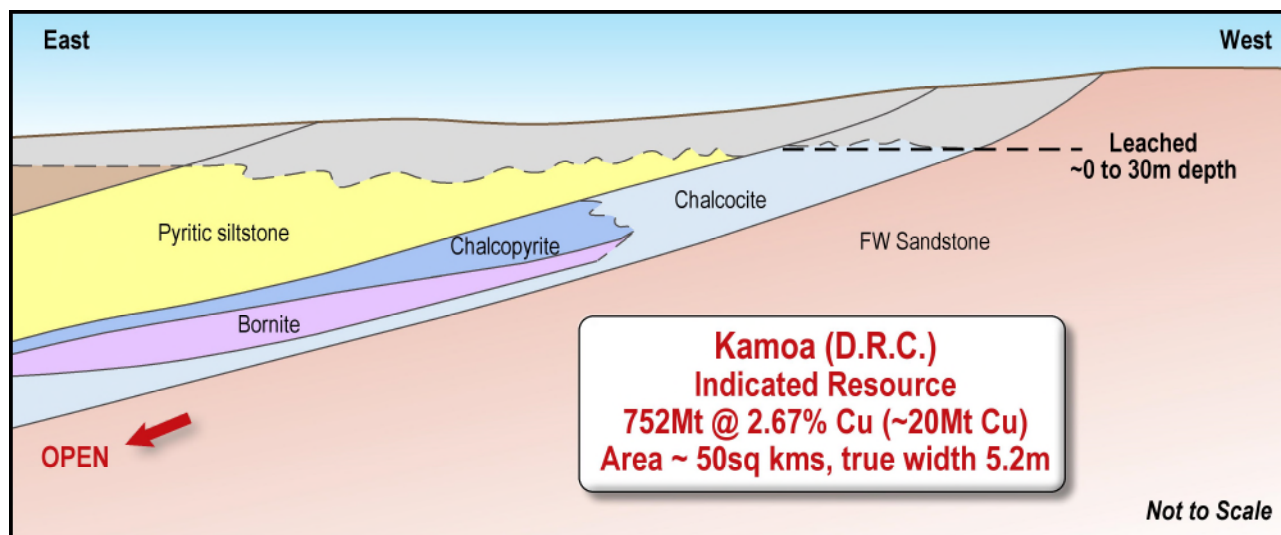
GLOBAL DEPOSIT TYPES



Porphyry hosted

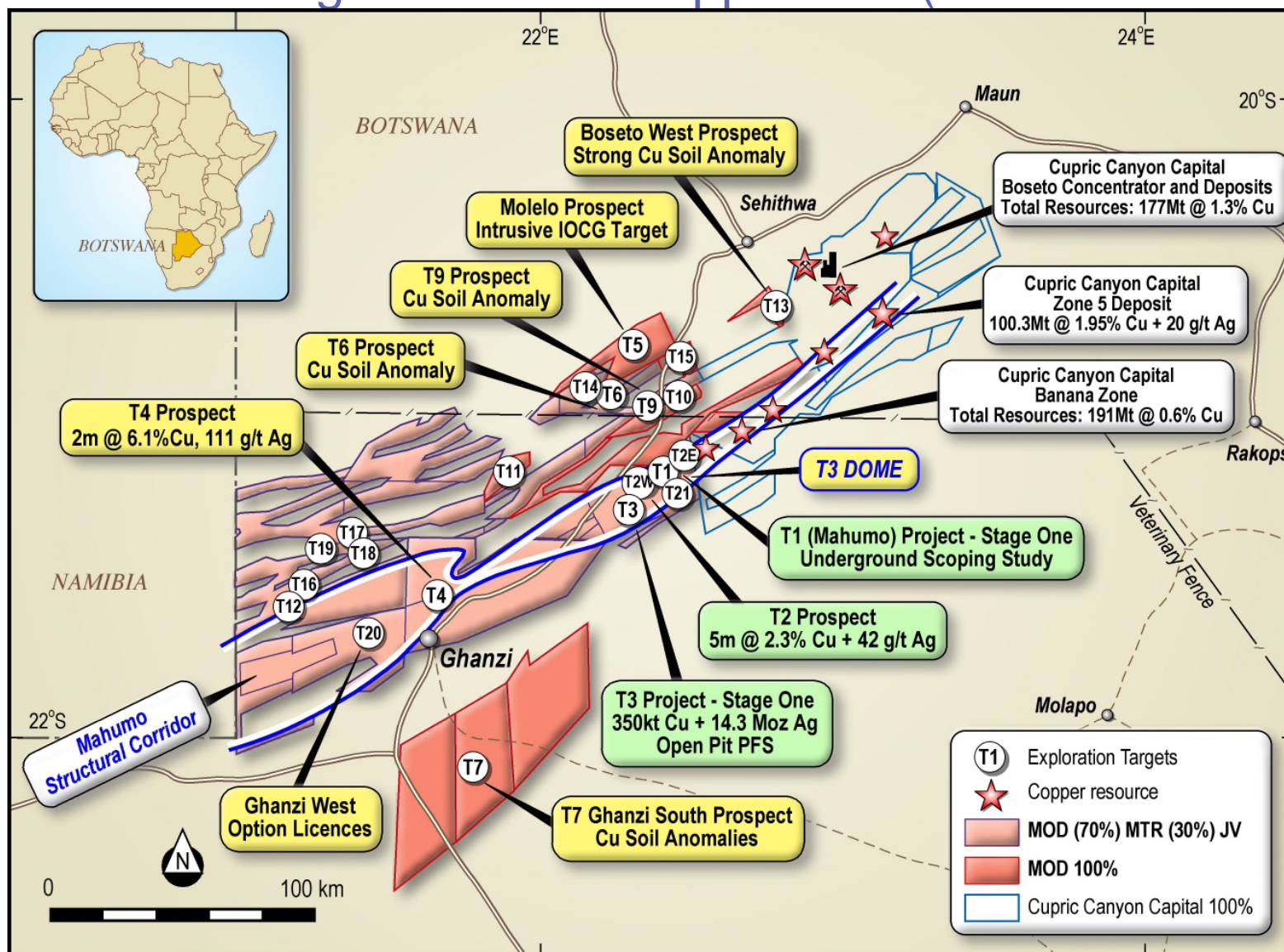


VMS hosted



Sediment hosted

Dominant holding in Kalahari Copper Belt (70% JV & 100%)



Botswana Copper Advantage

- **Cu resources range: 1.2% to 2.0% Cu, significant Ag credits**
- **High grade (~40% Cu) & quality conc. Ideal smelter blending, reduce transport cost**
- **Long established mining industry, skilled work force**
- **Ghanzi Highway >200km through centre of MOD licences. Easy access**
- **Grid power extension along highway due mid 2019. 12km from T3**



T3 SCOPING STUDY – summary



Key Financial Outcomes

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%

T3 Mineral Resource. 64% Indicated

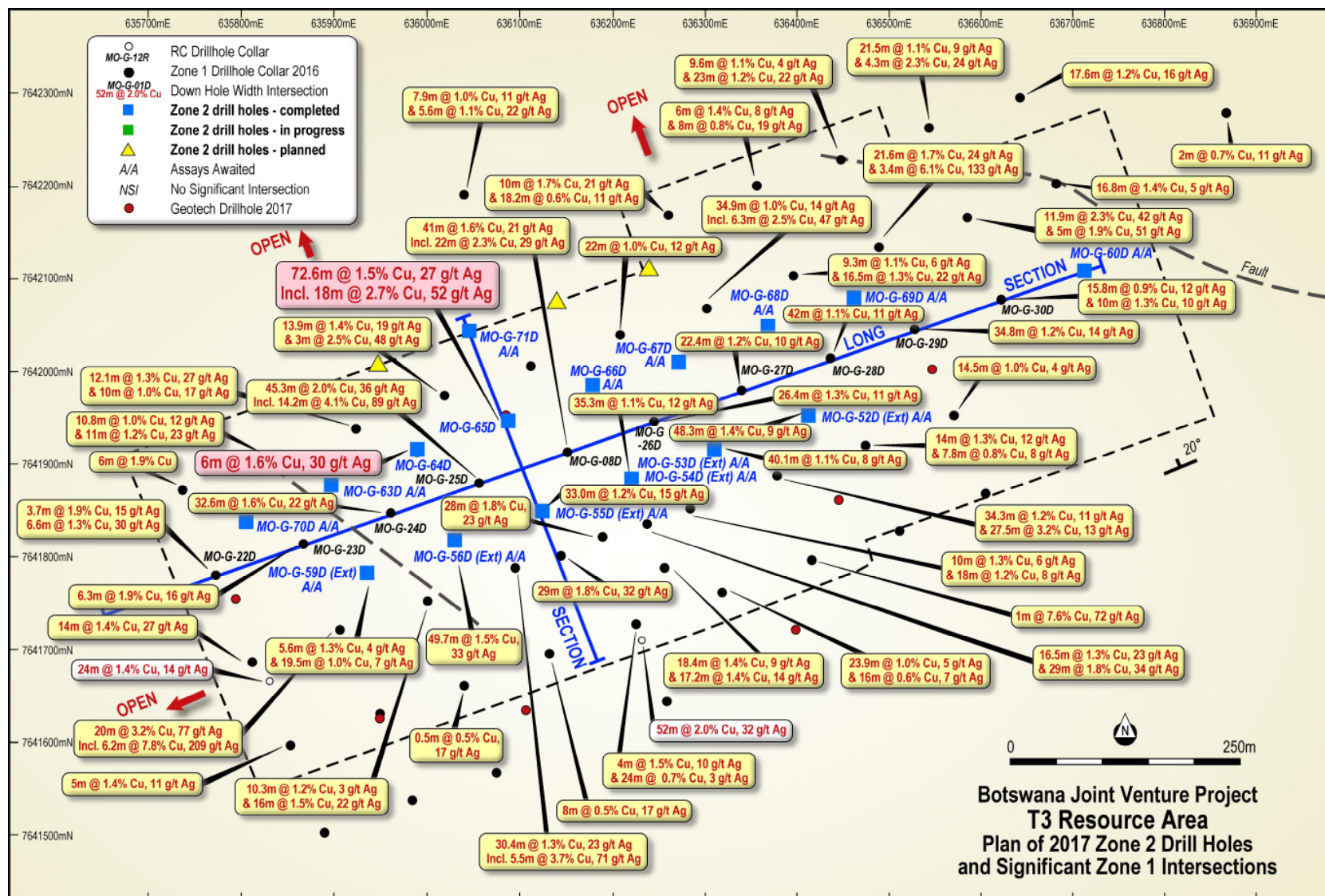
JORC Category	Cutoff Cu%	Tonnes	Grade Cu%	Grade Ag g/t	Contained Cu (tonnes)	Contained Ag (oz)
Indicated	0.5	18,071,000	1.35	16.7	244,320	9,724,550
	1.0	10,103,000	1.84	24.2	186,198	7,848,794
	1.5	6,773,906	2.12	29.6	143,675	6,450,935
Inferred	0.5	10,287,000	1.03	13.7	105,853	4,546,534
	1.0	3,162,296	1.82	26.0	57,396	2,640,127
	1.5	1,706,001	2.30	34.5	39,221	1,892,814

TOTAL (Indicated & Inferred)	0.5	28,358,000	1.24	15.7	350,221	14,271,083
	1.0	13,265,000	1.84	24.6	243,678	10,488,664
	1.5	8,479,907	2.16	30.6	182,912	8,343,592

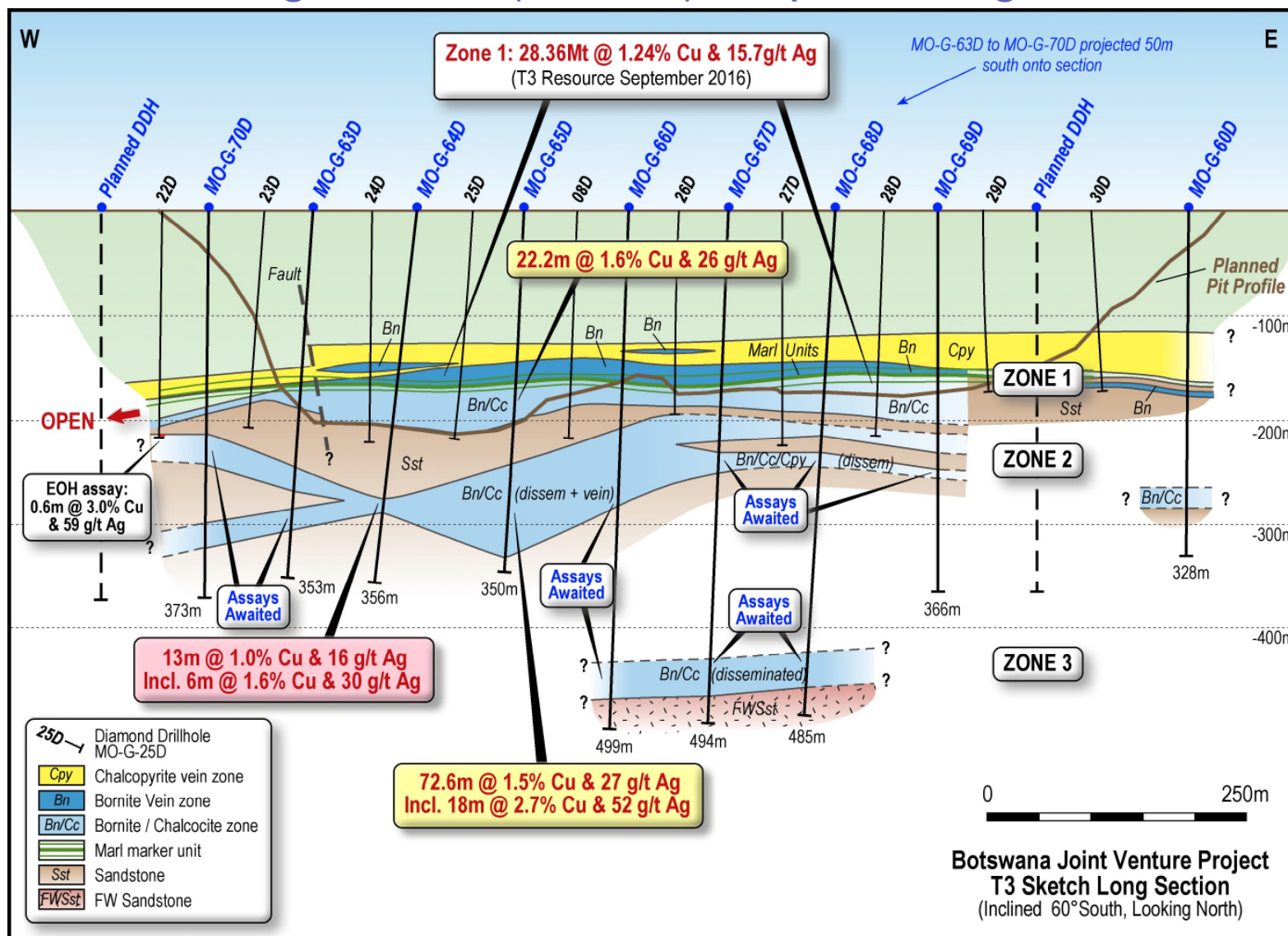


Bonanza grade Cu/Ag in bornite, chalcocite & chalcopyrite veins

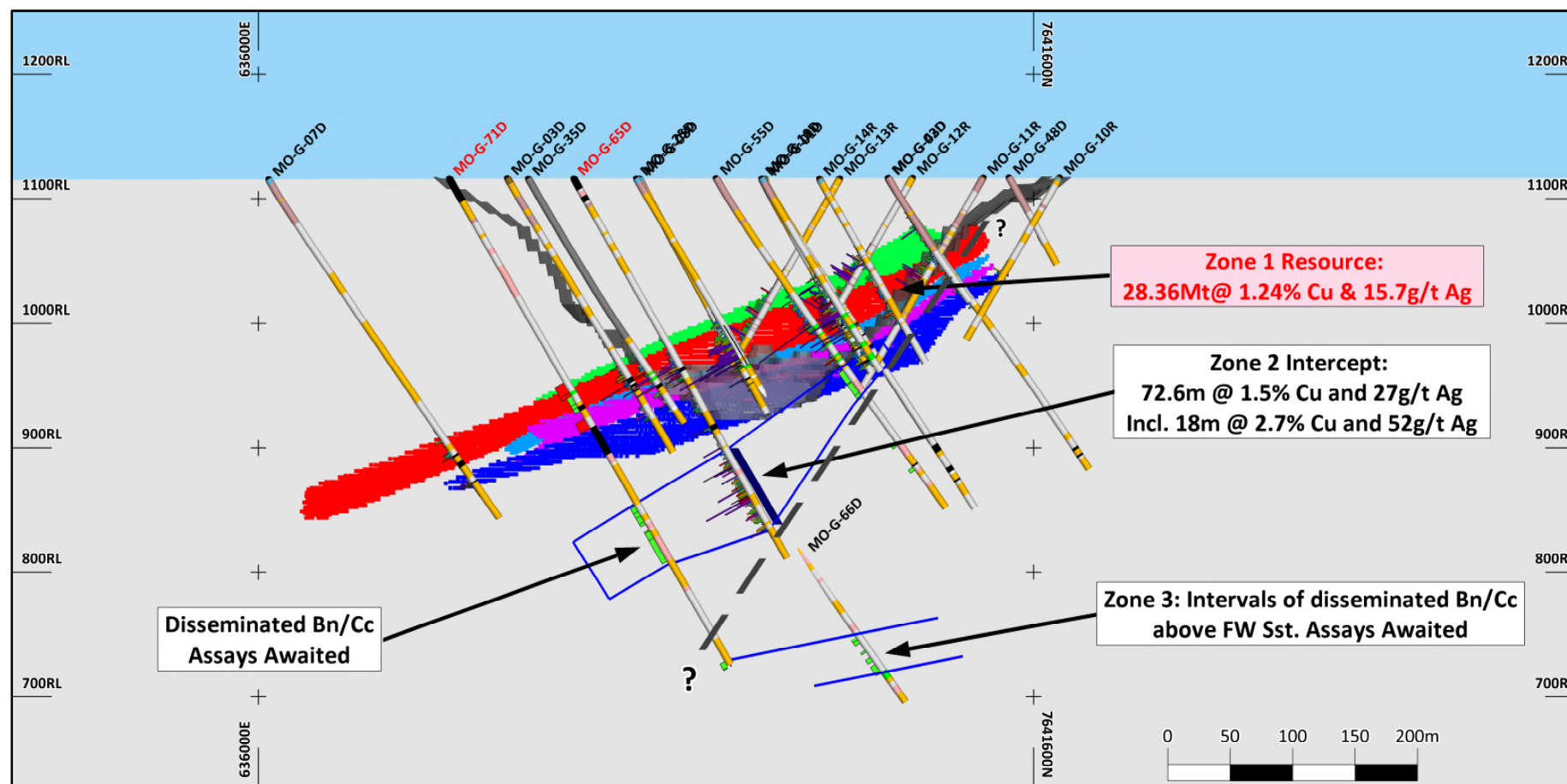
Resource – excellent continuity & width



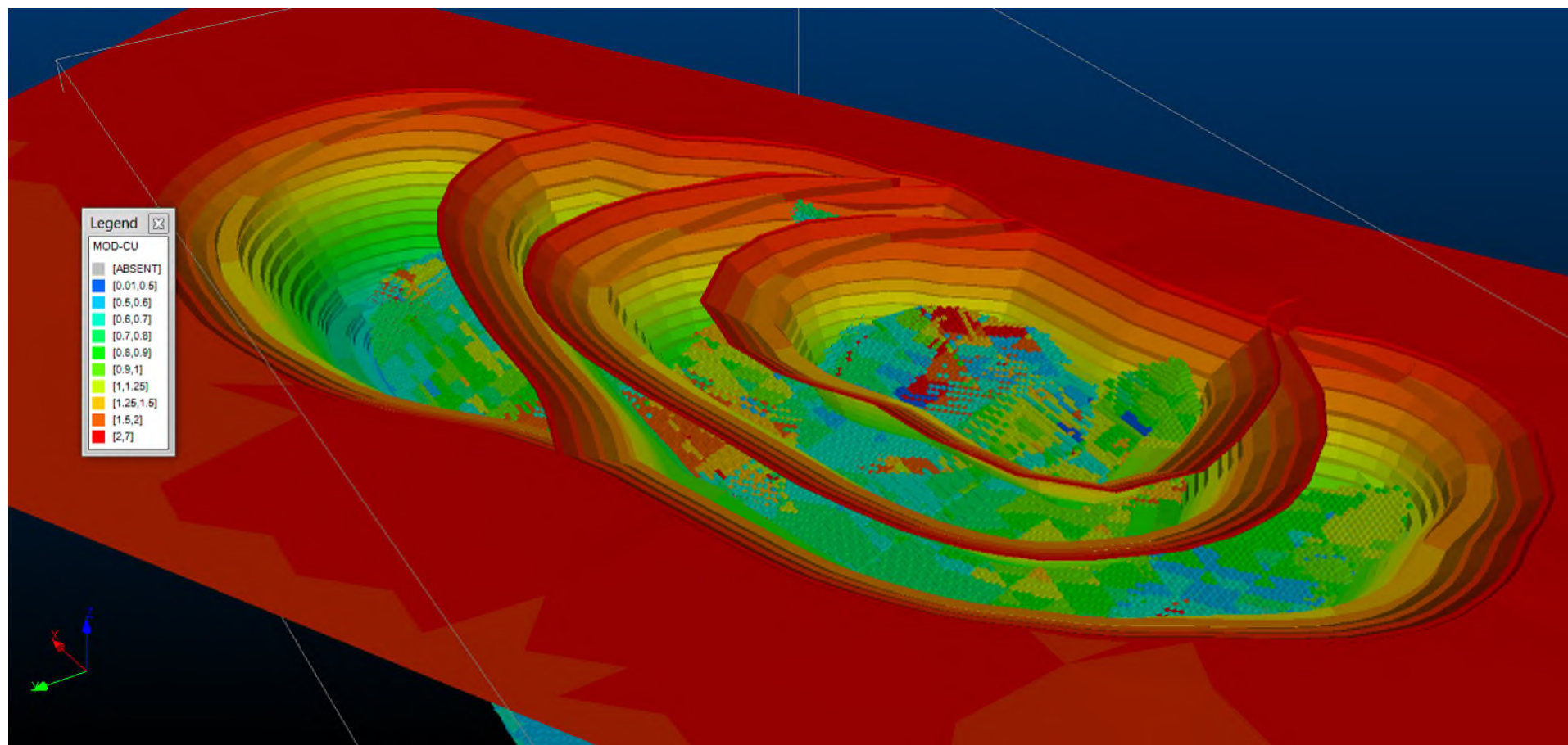
T3 sketch long section (1200m) – open along strike



T3 sketch cross section showing shallow dip, big widths

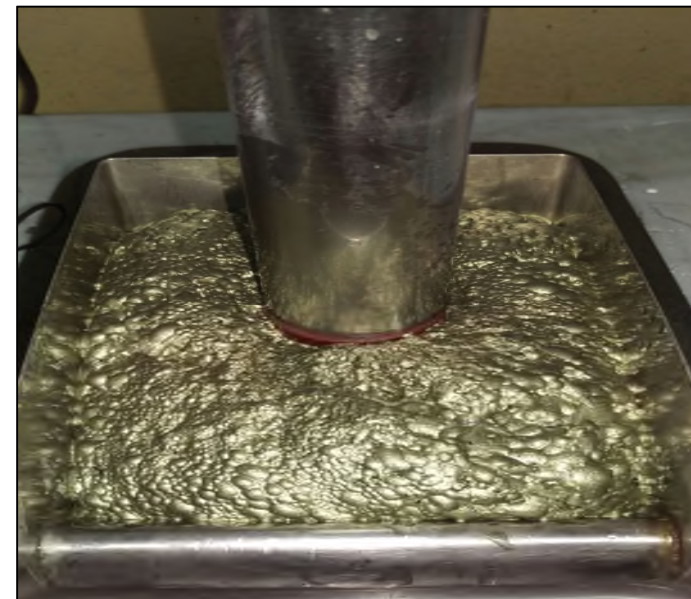
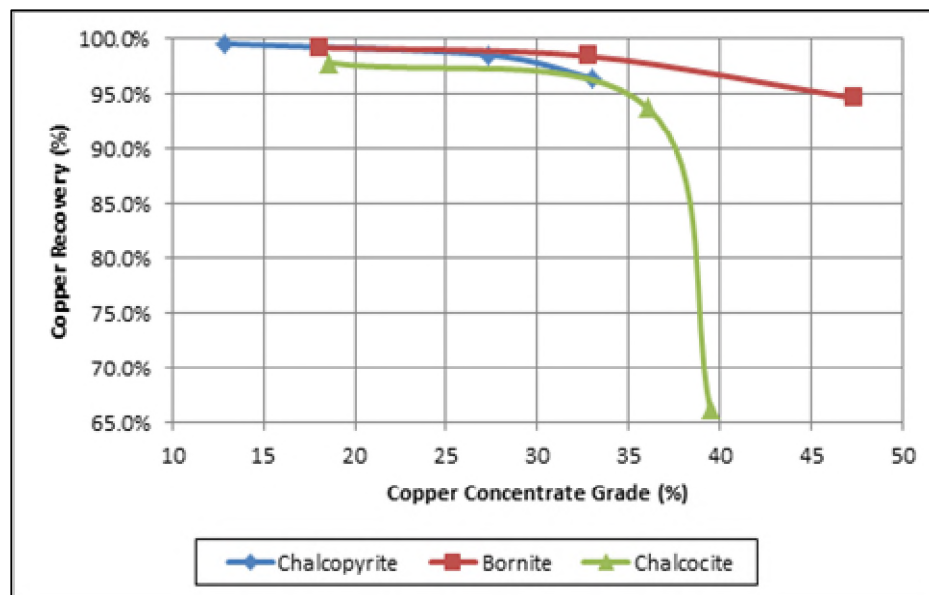


Four stage pit – rapid payback



- Zoned sulphide mineralisation (cpy, bn vein, bn/cc) up to 50m true width
- Shallow 30° dip with disseminated & high grade vein hosted Cu/Ag

High Tenor Copper Sulphides



Mineral	Chemical Formula	Cu	Fe	S
Chalcopyrite	CuFeS_2	34.6%	30.4%	34.9%
Bornite	Cu_5FeS_4	63.3%	11.1%	25.6%
Chalcocite	Cu_2S	79.9%		20.1%
Digenite	Cu_9S_5	78.1%		21.9%
Covellite	CuS	66.5%		33.5%
Malachite	$\text{Cu}_2(\text{CO}_3)(\text{OH})_2$	57.5%		
Enargite	Cu_3AsS_4	48.4%		32.6%

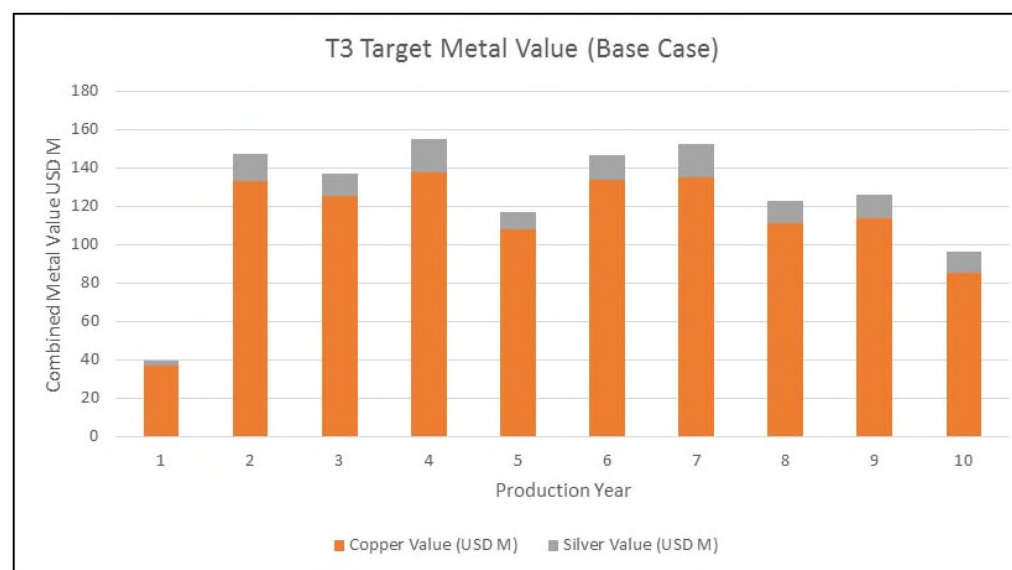
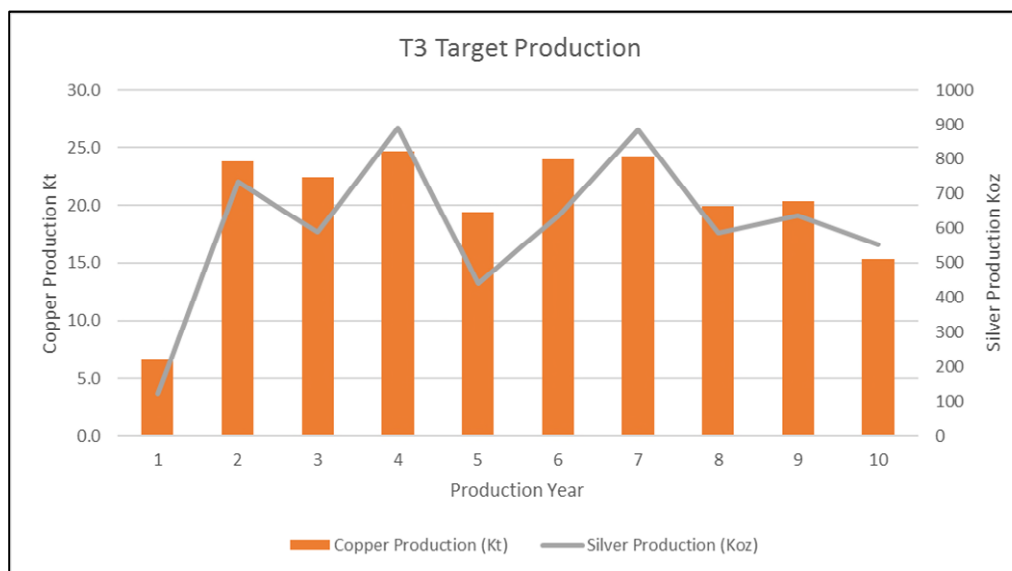
Outstanding Testwork Results

Composite	Mass Pull %	Calc Head		Copper		Silver		Bond Wl 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	-

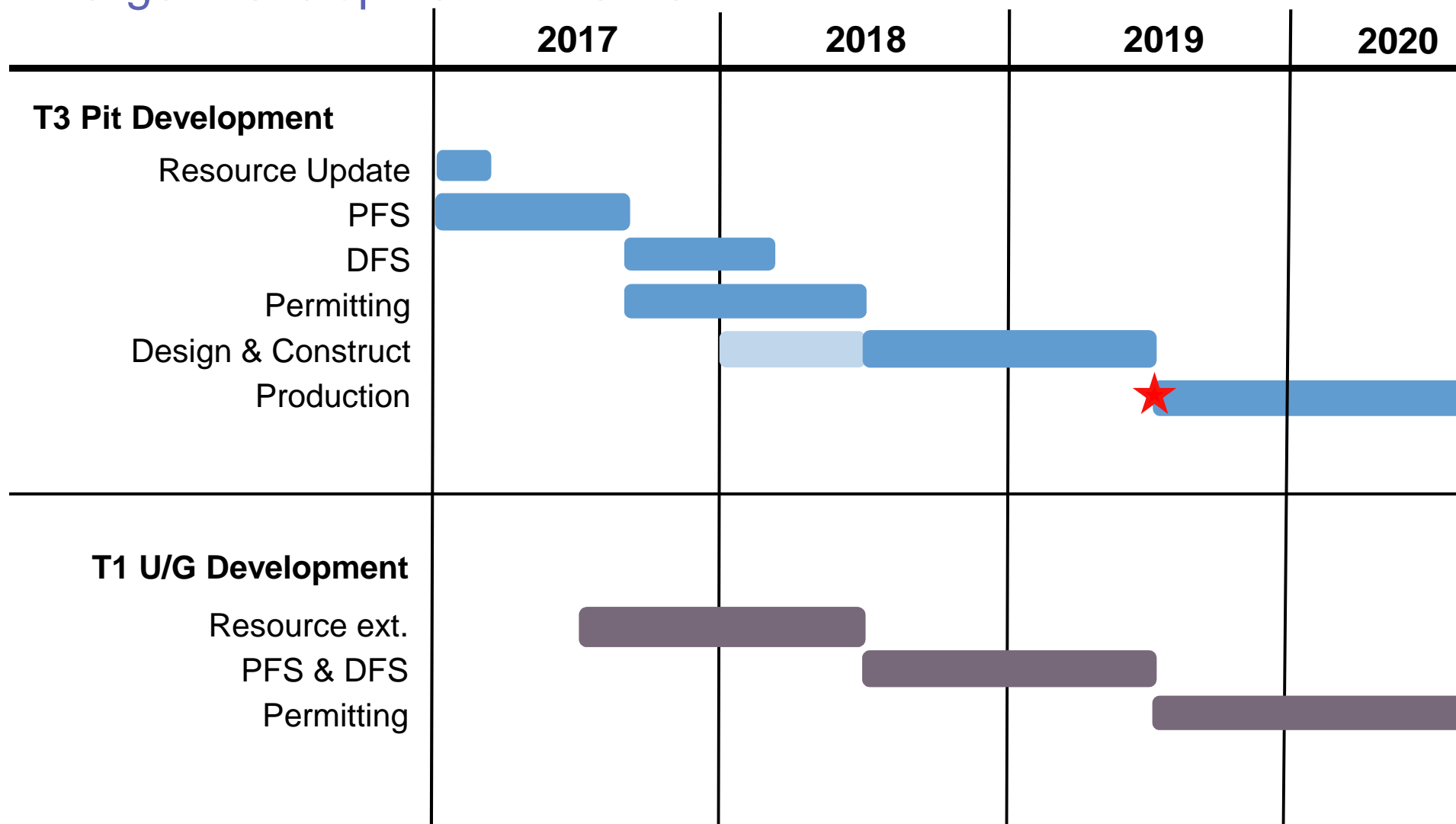
Preferred Cu/Ag conc transport & storage using sealed 30T containers



Indicative Copper & Silver Production – base case US\$2.53/lb



Target Development Timeline



ACCELERATED EXPLORATION ON T3 DOME



ASX: MOD



2017 EXPLORATION PRIORITIES & TARGETS

T3 Extension Drilling

- Infill and extend bonanza grade bornite vein zone at west end pit (Complete)
- Resource expansion on newly discovered Zone 2 below current pit (Current)
- Test 3D IP target down dip from T3 to ~600m depth (Planned)

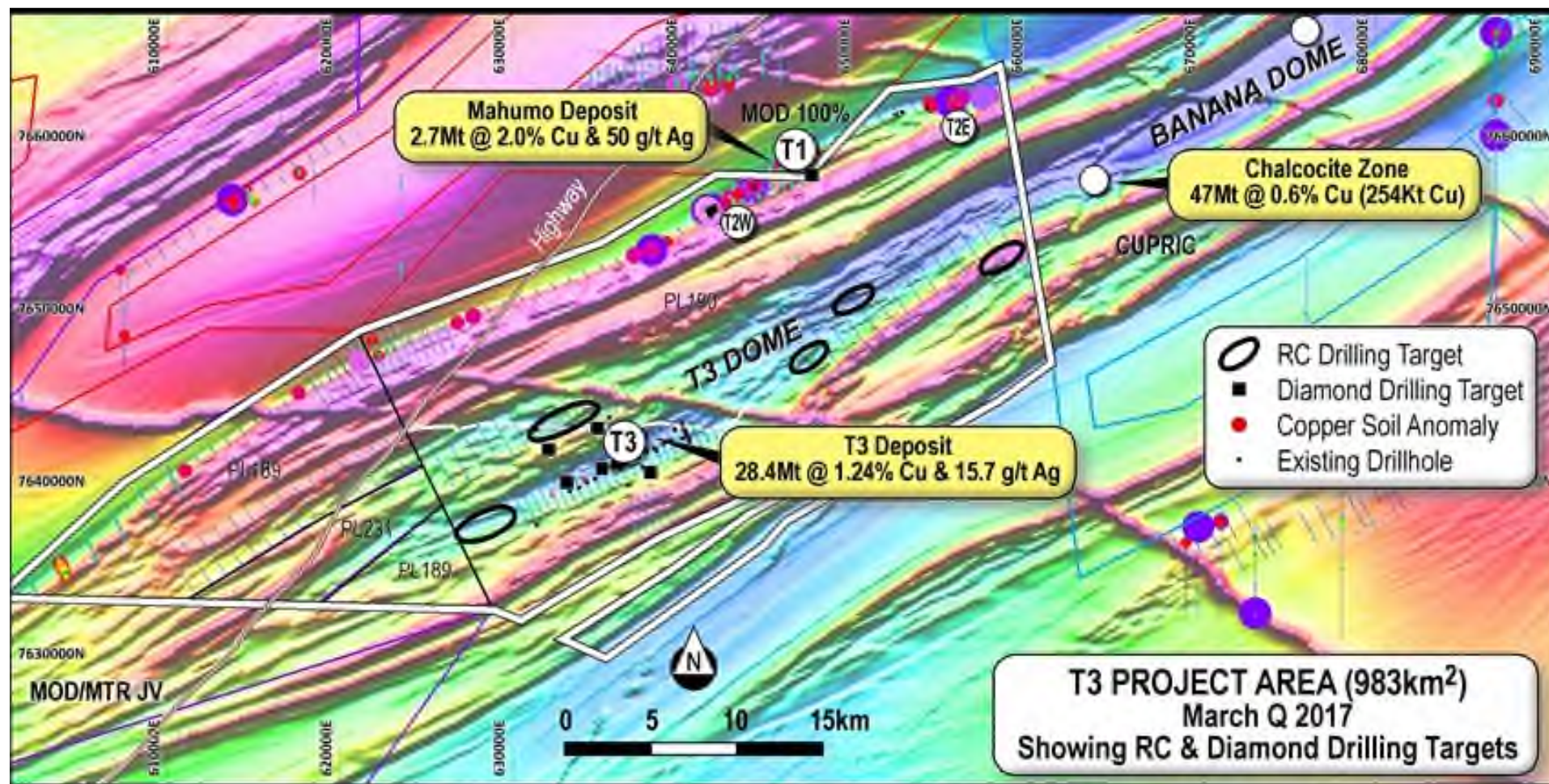
T3 Dome Program & Targets

- Total soil coverage across T3 structural dome (~11,000 samples)
- Cu soil anomalies for near surface mineralisation, T3 analogy
- 3D IP anomalies, structural targets and thrust repetitions of host sequence
- Heli-borne AEM planned on selective targets

T1 Underground Extension Drilling

- Extensions to T1 West and East Zones. Target potential >10Mt to ~600m depth

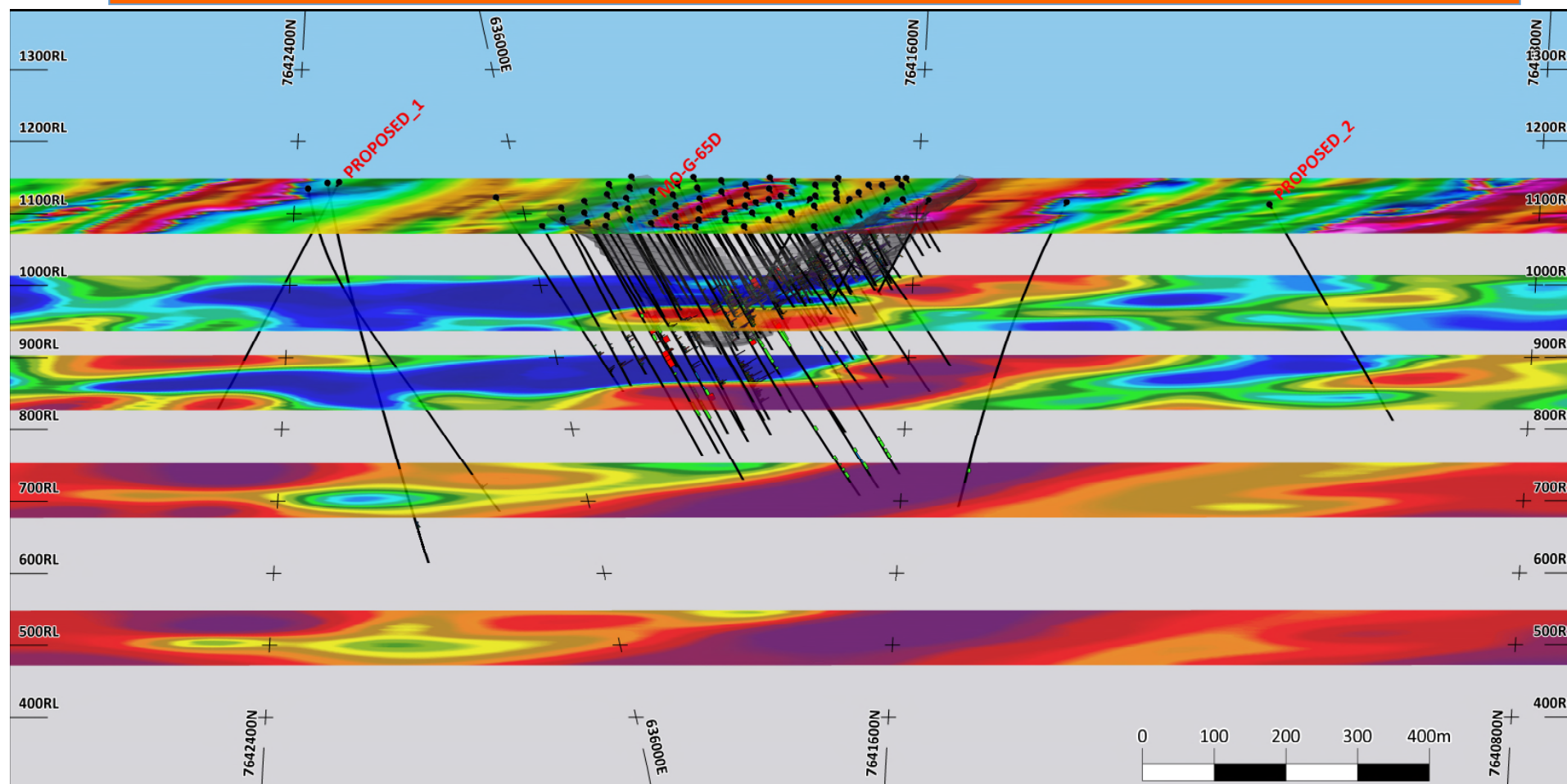
T3 DOME (~60km long) – current targets



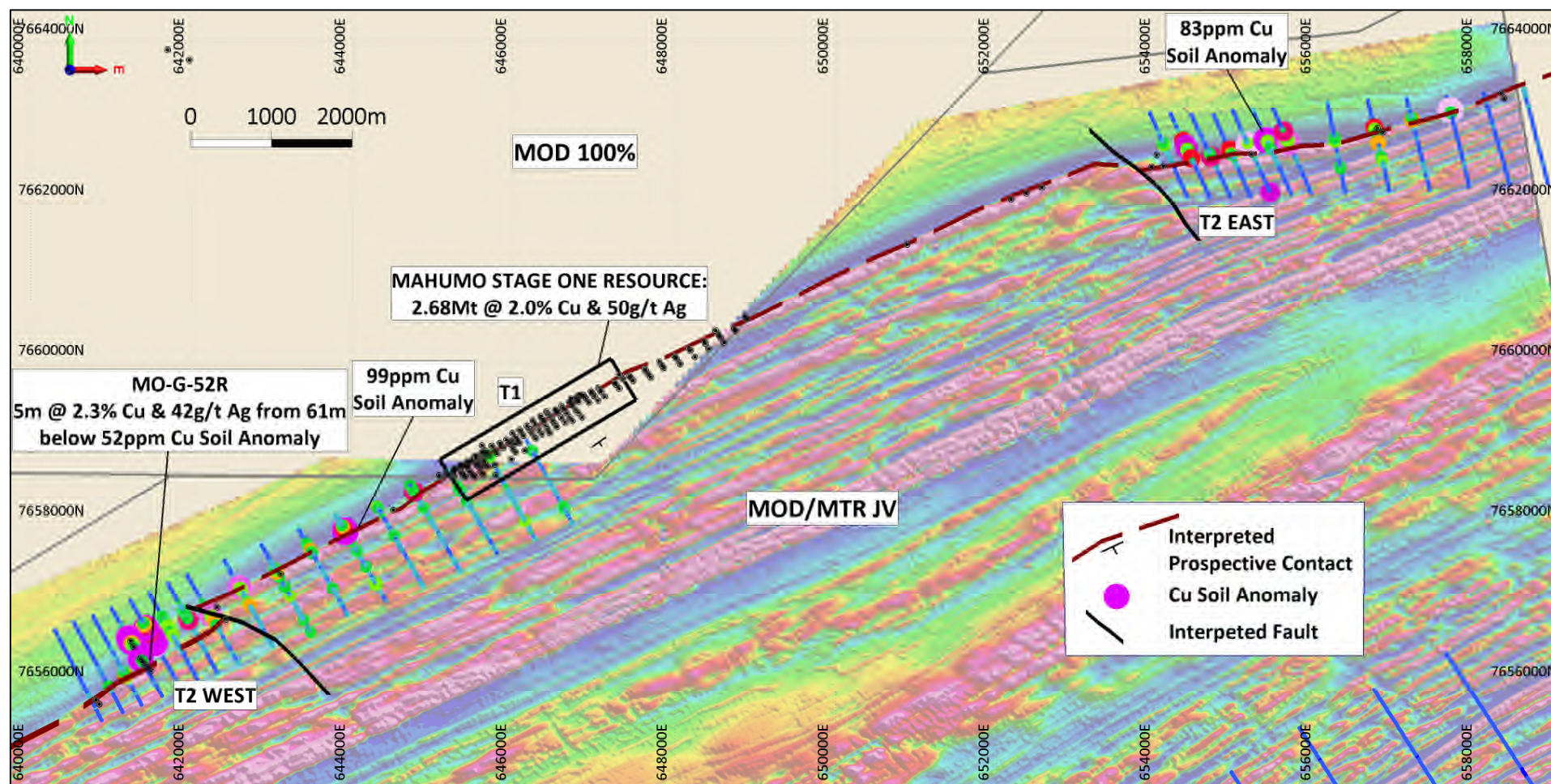
T3 depth extensions & IP anomalies

3D IP survey & magnetic inversion in progress

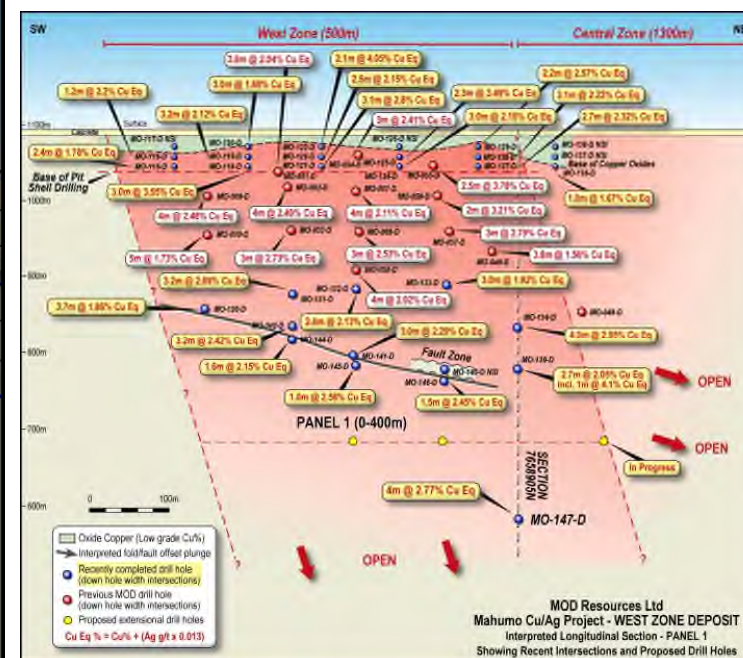
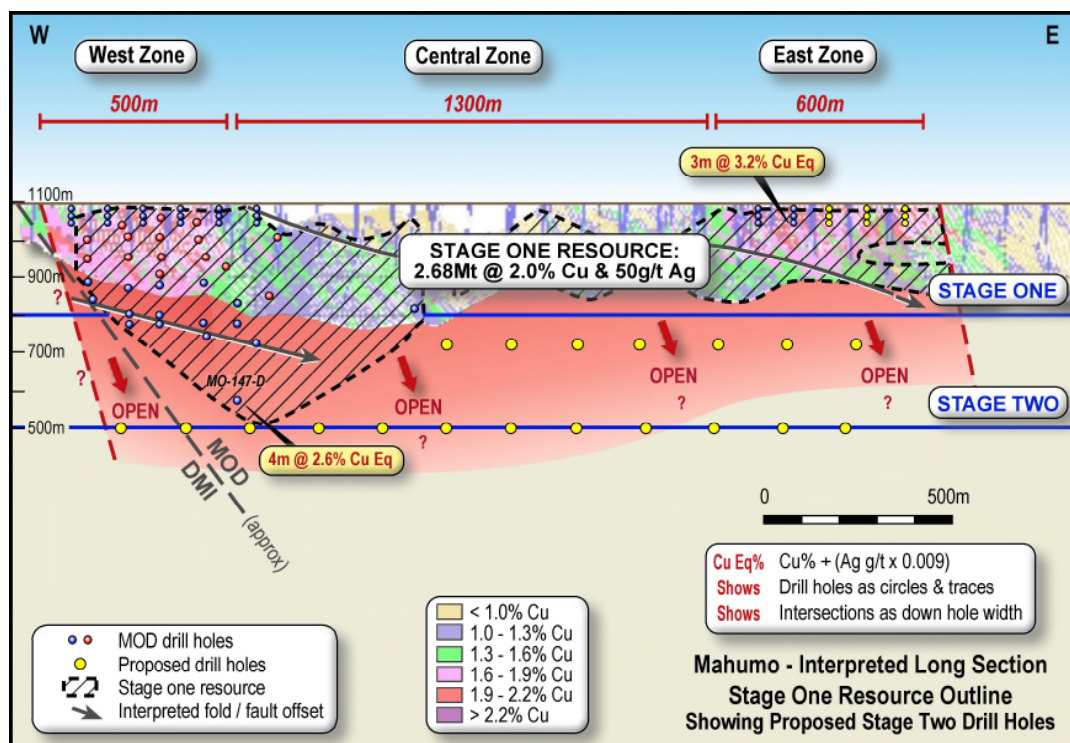
Objectives : define structure of Host Sequence & identify chargeability anomalies



T1 resource extensions & wider potential along 15km



T1 resource extensions – planned drilling

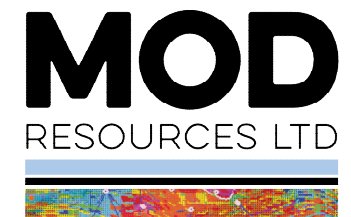


- Stage One Resource: 2.7Mt @ 2.0% Cu & 50g/t Ag along 2.4km strike length
- U/G scoping study target: >10Mt at similar grade to current resource
- Deepest intersection: 4m @ 2.8% CuEq. Test extensions to ~600m depth

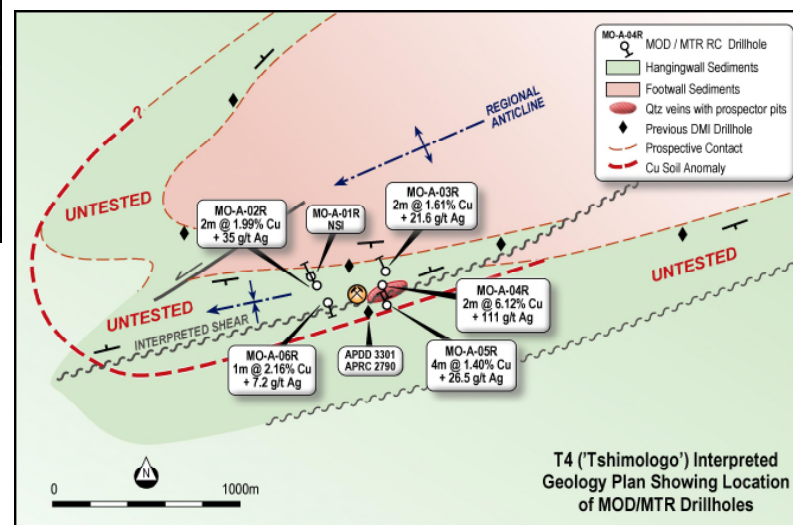
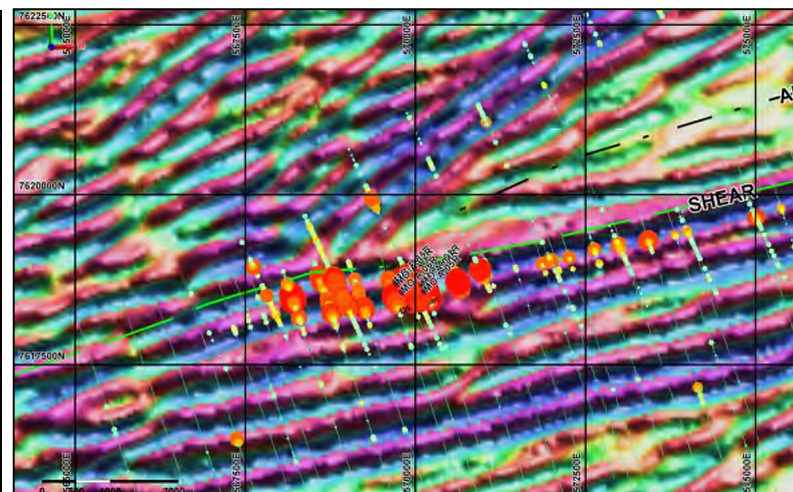
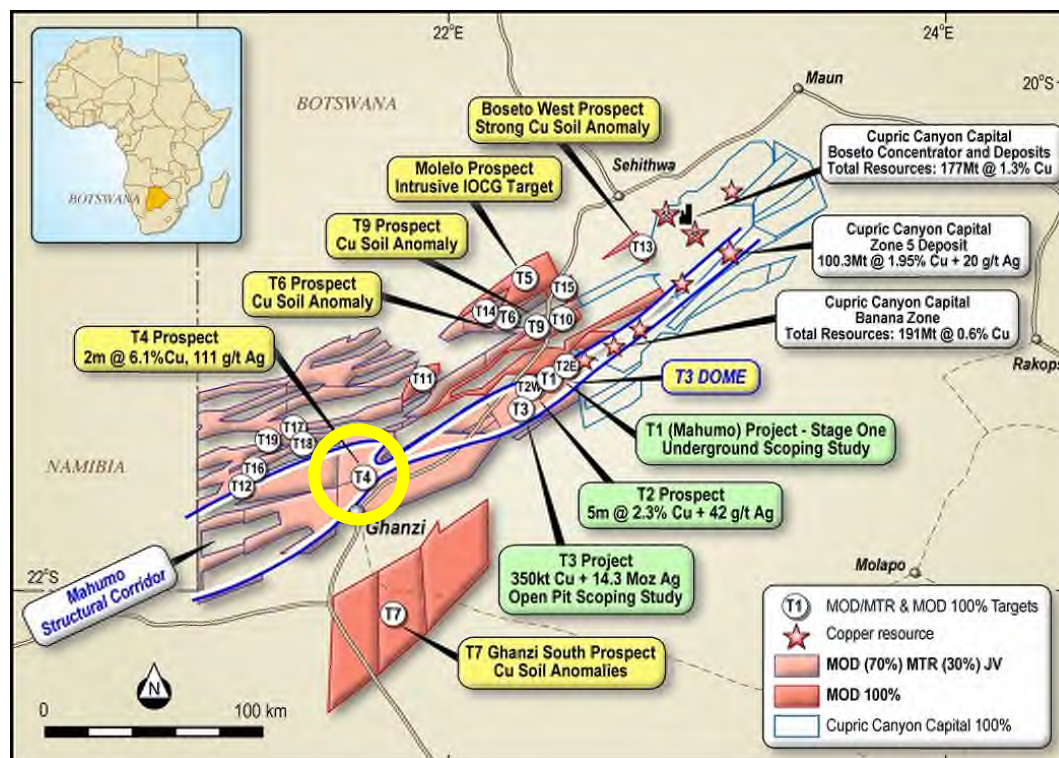
REGIONAL TARGETS EXTEND OVER ~200km



ASX: MOD

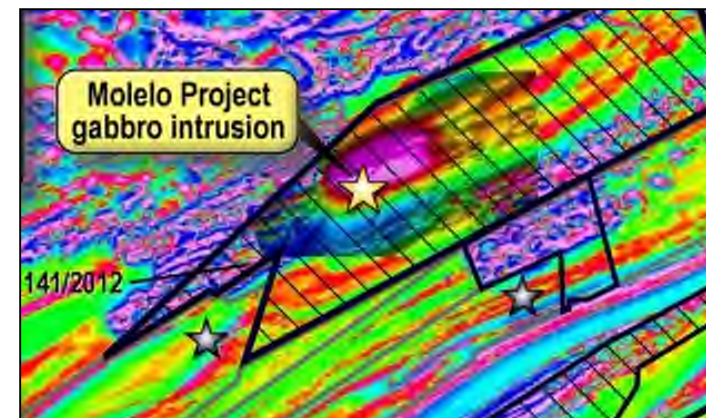
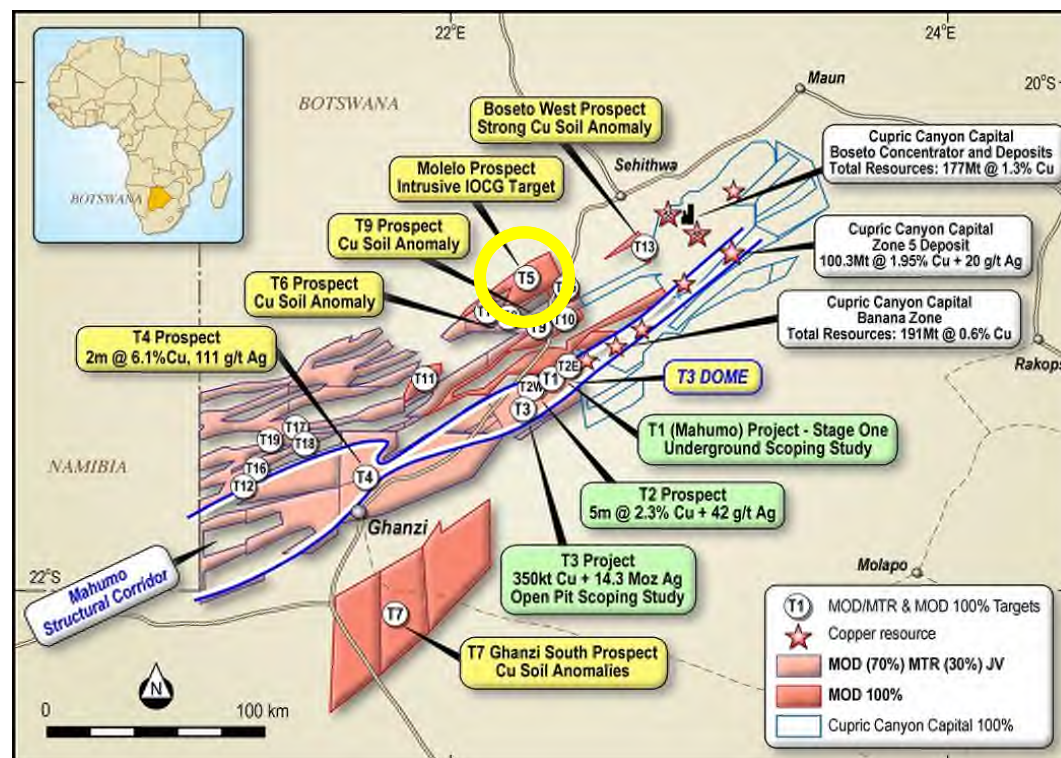


T4: 2m @ 6.1% Cu & 111g/t Ag (MOD 70%)



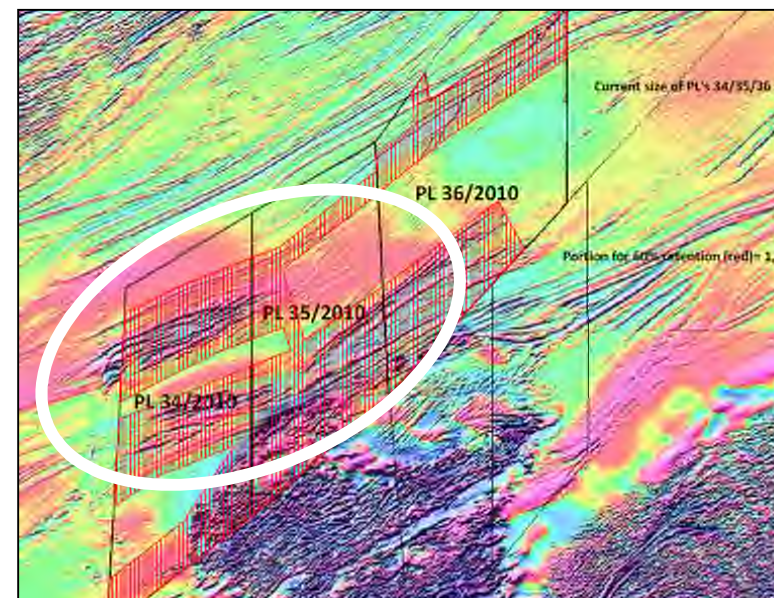
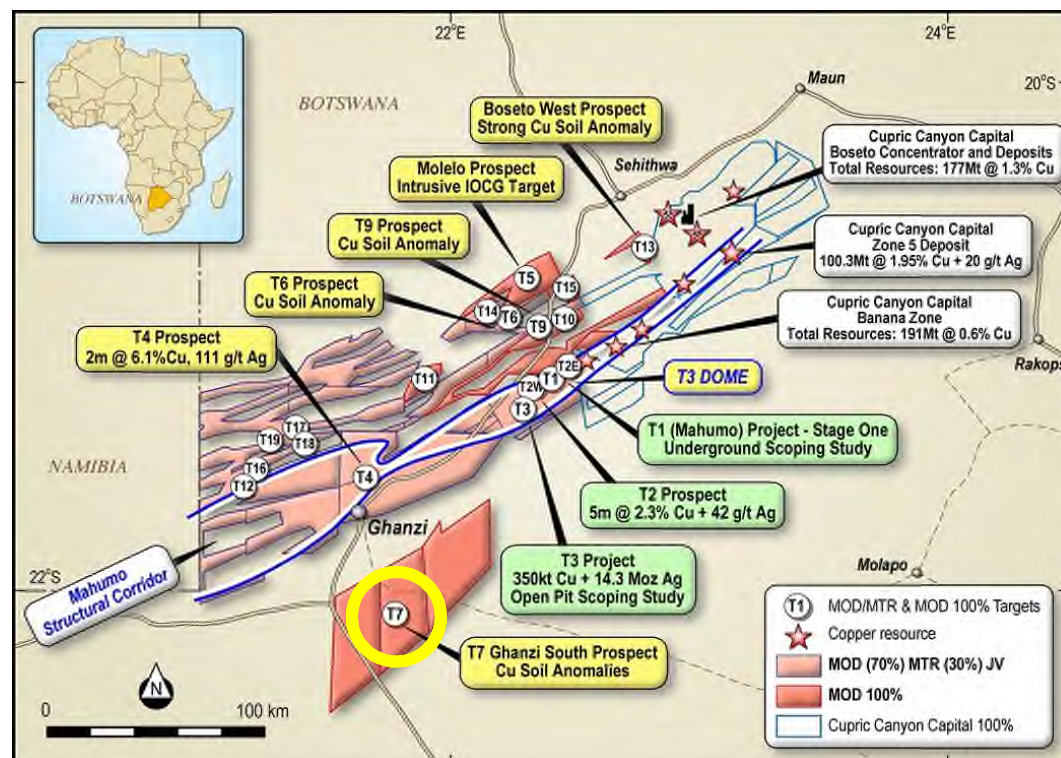
- Drilling to test 2km long Cu anomaly
- Target high grade vein hosted Cu/Ag

T5: Test potential for magmatic sulphides (MOD 100%)



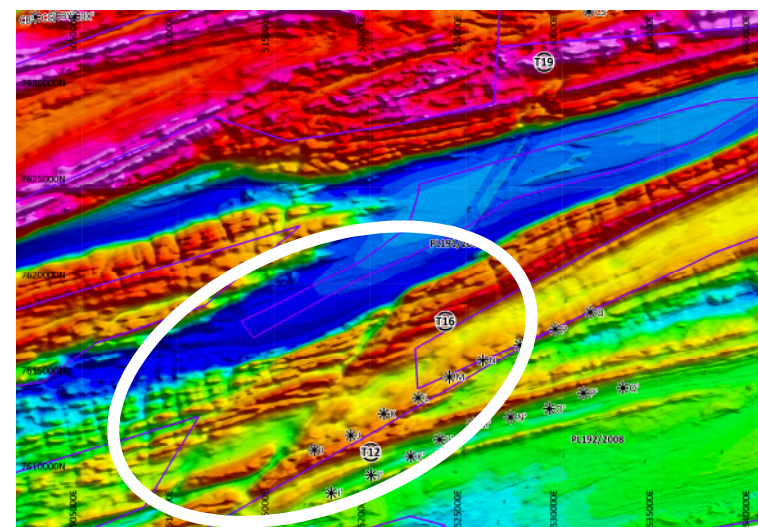
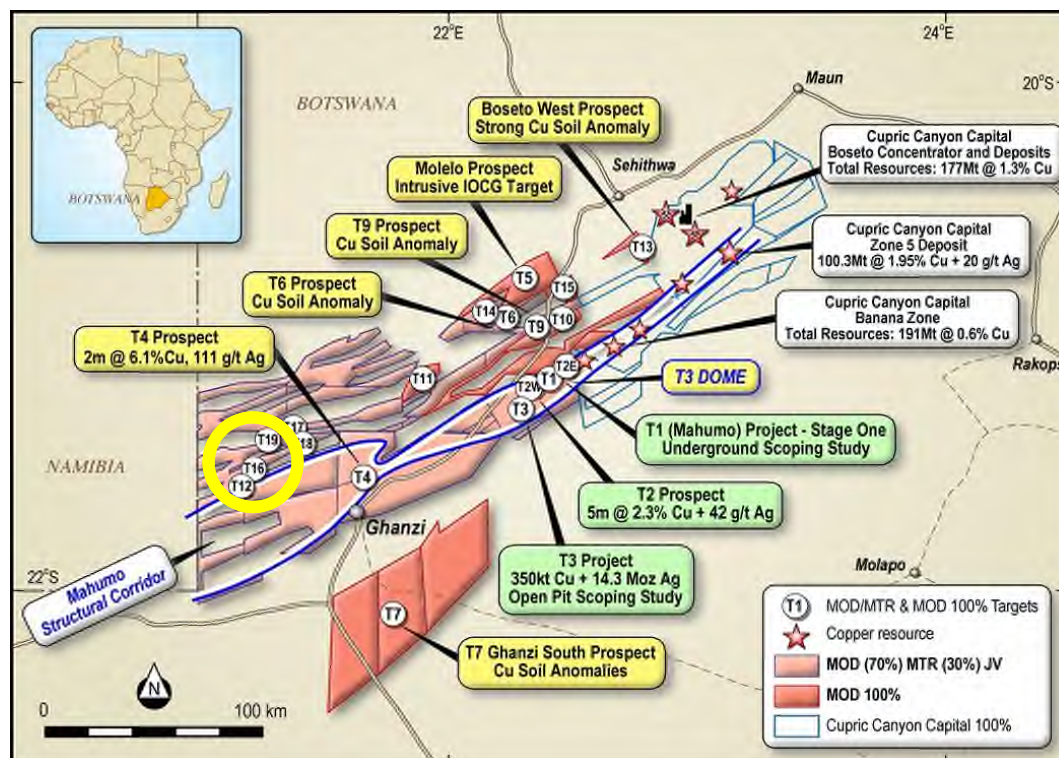
- Target core of ~10km interp. mafic intrusion
- ~100m of Fe alteration above intrusion
- Elevated Pt/Pd in veined & altered gabbro

T7: Copper targets below sand cover (MOD 100%)



- Regional structural zone along Kaapvaal Craton margin
- Two interpreted 10-20km long domes under sand cover
- Bedrock drilling to test soil & structural targets

T12: Intersection regional structures (MOD 70%)



- Intersection of prospective contact and major ENE structure

2017 Goals

- **Complete T3 PFS and advance DFS towards decision to mine**
- **Increase resource, mine life & potentially uplift grade at T3**
- **Explore for new 'T3 Type' deposits within 1,000km² T3 Project Area**
- **Evaluate potential underground mine at T1, 20km north of T3**
- **Explore for major regional discovery outside T3 Project Area**
- **Build local employment, community, & government relationships**
- **Grow investor support globally, North America and UK**



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