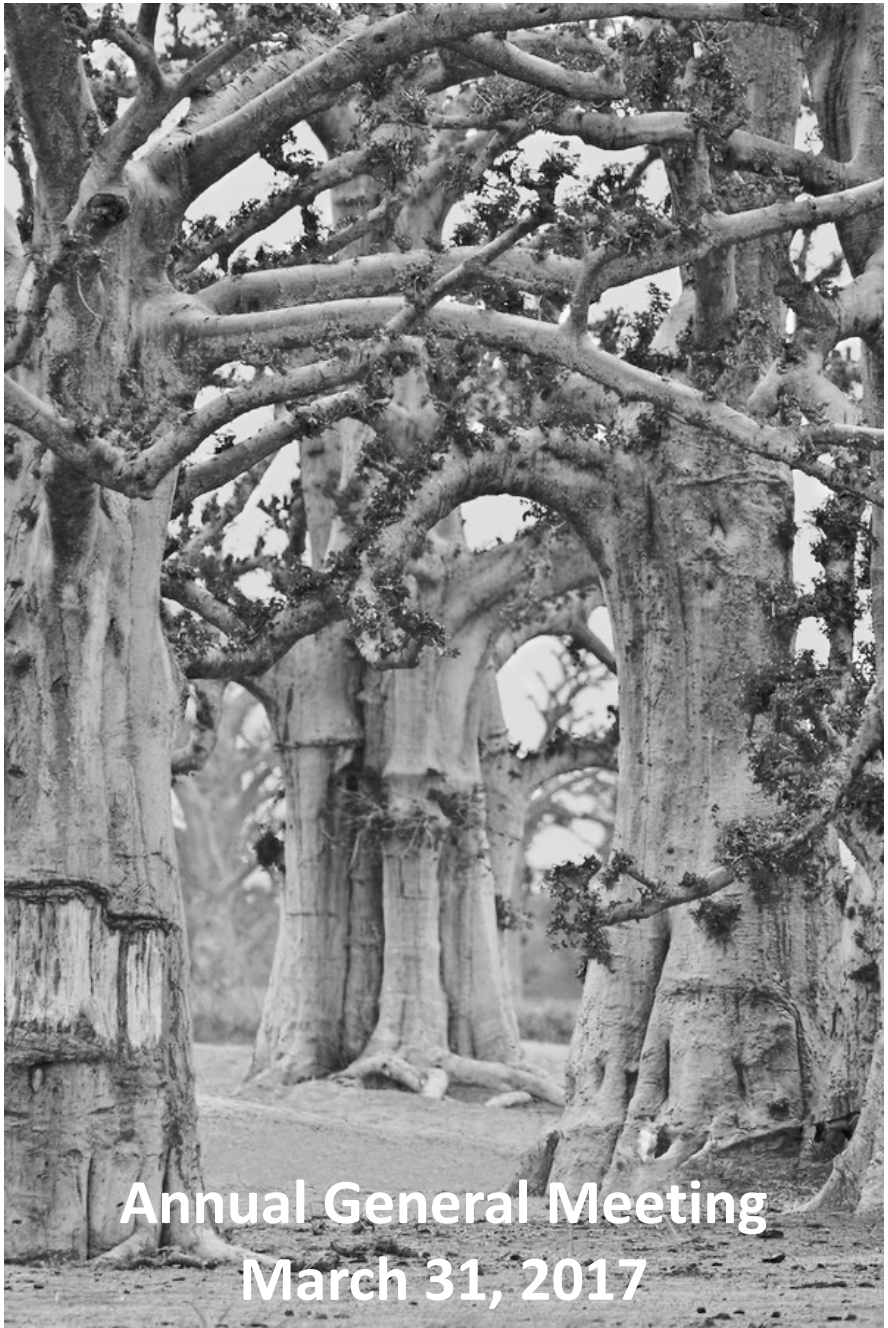
TSODILO RESOURCES LIMITED

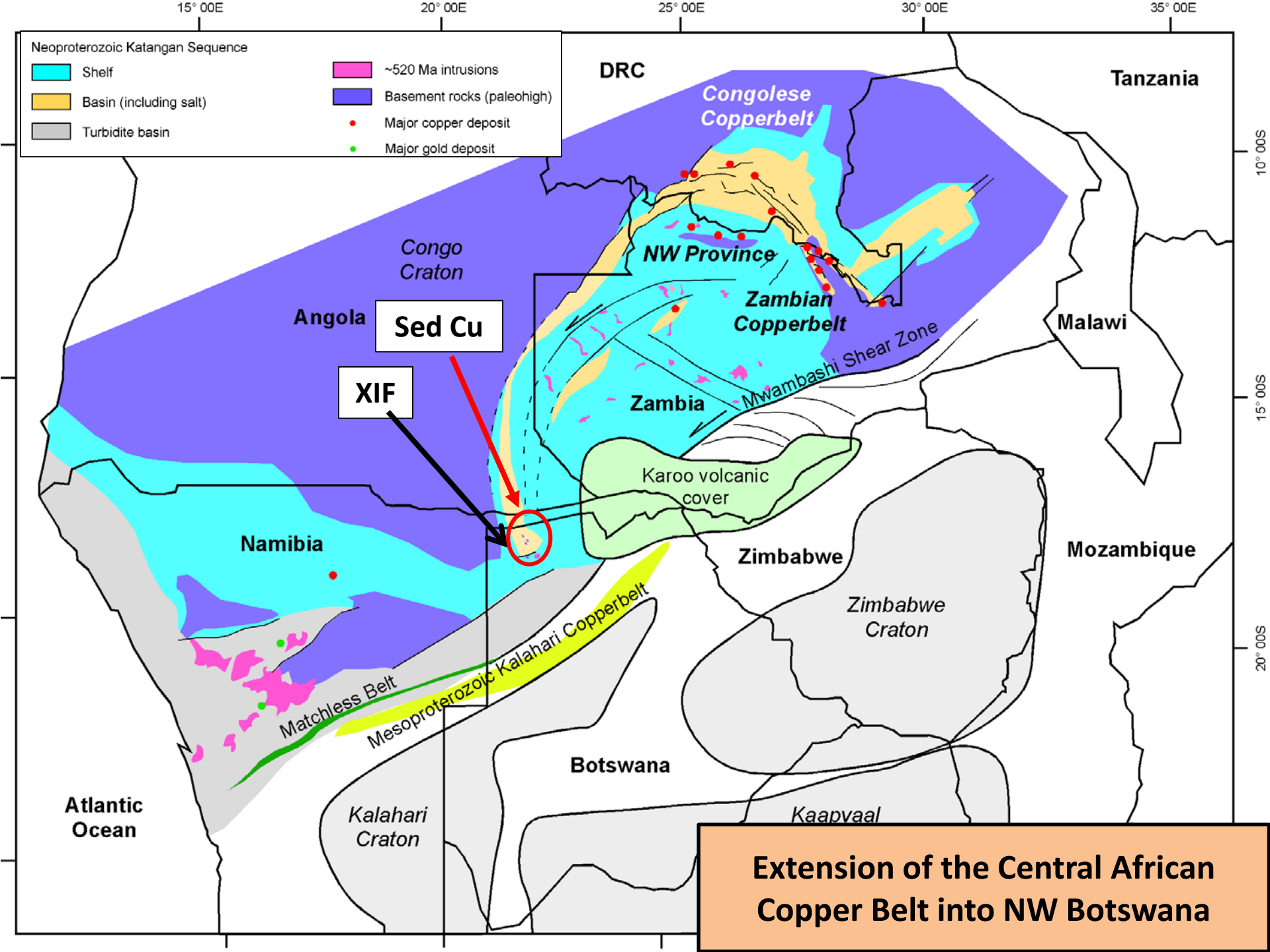


Final Target Selection for Copper Mineralization Using Tsodilo and FQM data sets

Forward-looking statement

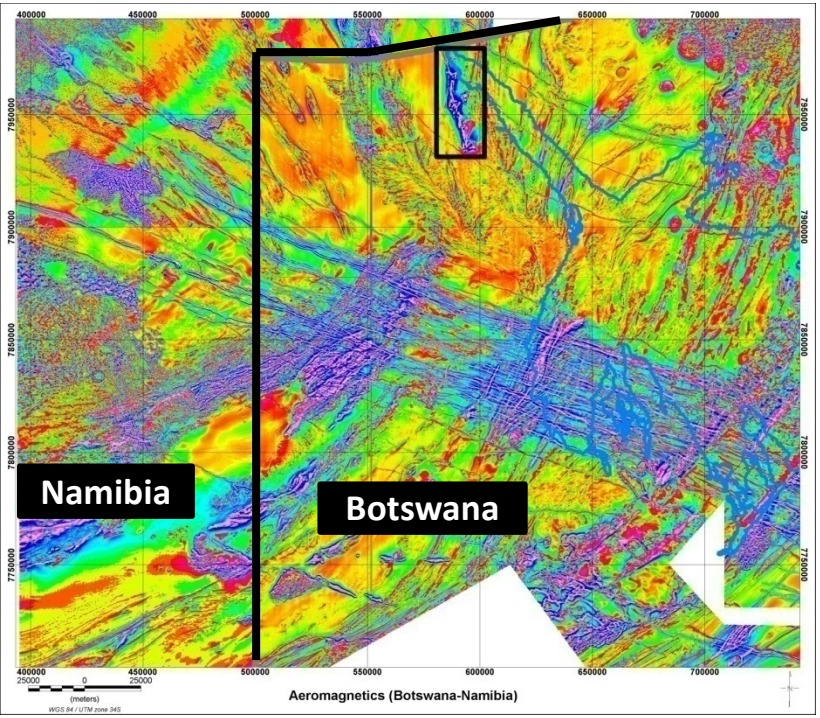
National Instrument 43-101 - Standards of Disclosure for Mineral Projects, Form 43-101F1 and Companion Policy 43-101CP requires that the following disclosure be made:

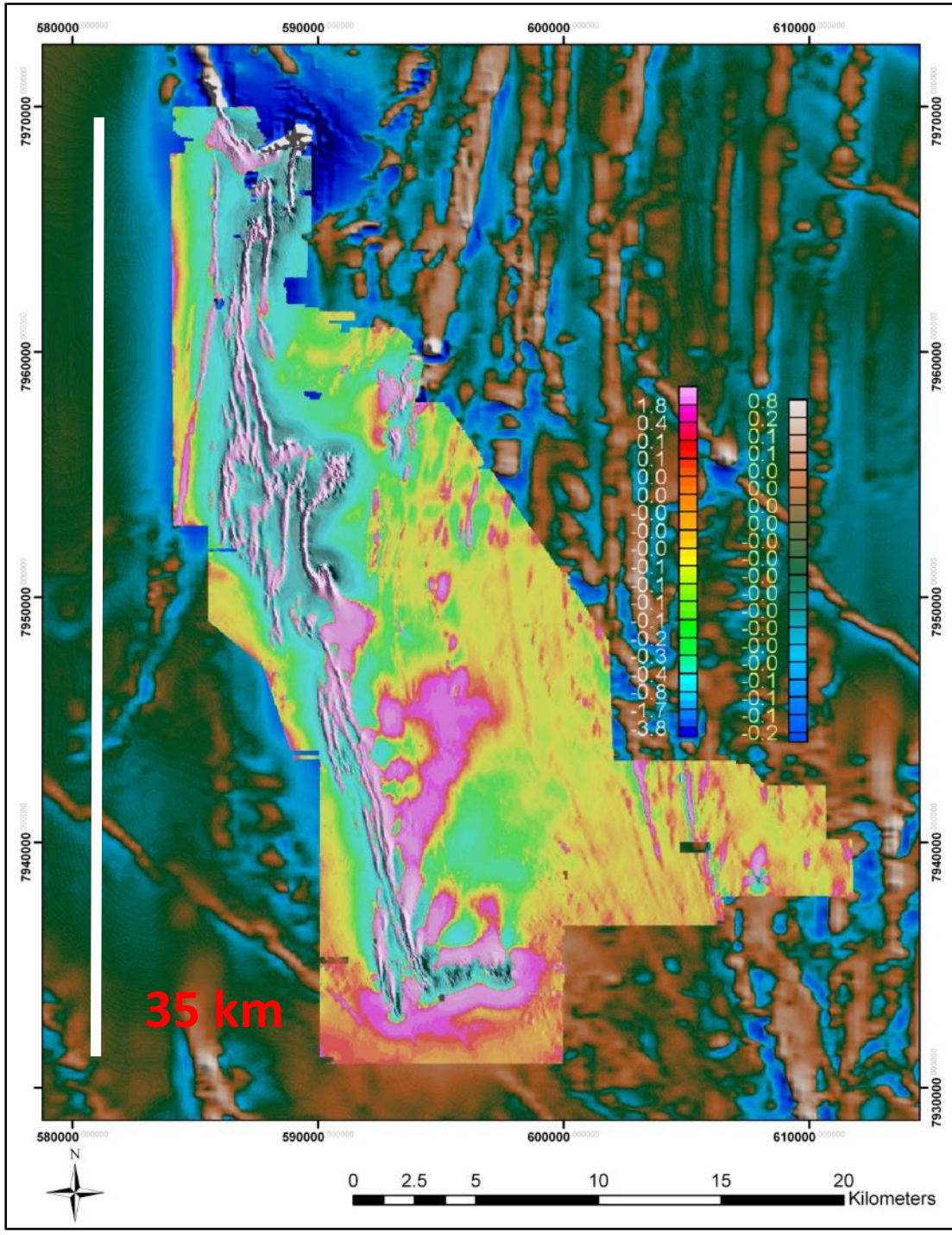
This presentation contains forward-looking statements. All statements, other than statements of historical fact, that address activities, events or developments that the Company believes, expects or anticipates will or may occur in the future (including, without limitation, statements relating to the development of the Company's projects) are forward-looking statements. These forward-looking statements reflect the current expectations or beliefs of the Company based on information currently available to the Company. Forward-looking statements are subject to a number of risks and uncertainties that may cause the actual results of the Company to differ materially from those discussed in the forward-looking statements, and even if such actual results are realized or substantially realized, there can be no assurance that they will have the expected consequences to, or effects on the Company. Factors that could cause actual results or events to differ materially from current expectations include, among other things, changes in equity markets, political developments in Botswana and surrounding countries, changes to regulations affecting the Company's activities, uncertainties relating to the availability and costs of financing needed in the future, the uncertainties involved in interpreting exploration results and the other risks involved in the mineral exploration business. Any forward-looking statement speaks only as of the date on which it is made and, except as may be required by applicable securities laws, the Company disclaims any intent or obligation to update any forward-looking statement, whether as a result of new information, future events or results or otherwise. Although the Company believes that the assumptions inherent in the forward-looking statements are reasonable, forward-looking statements are not guarantees of future performance and accordingly undue reliance should not be put on such statements due to the inherent uncertainty therein.



Extension of the Central African Copper Belt into NW Botswana

Dataset Geophysics:
1. Airborne Magnetics





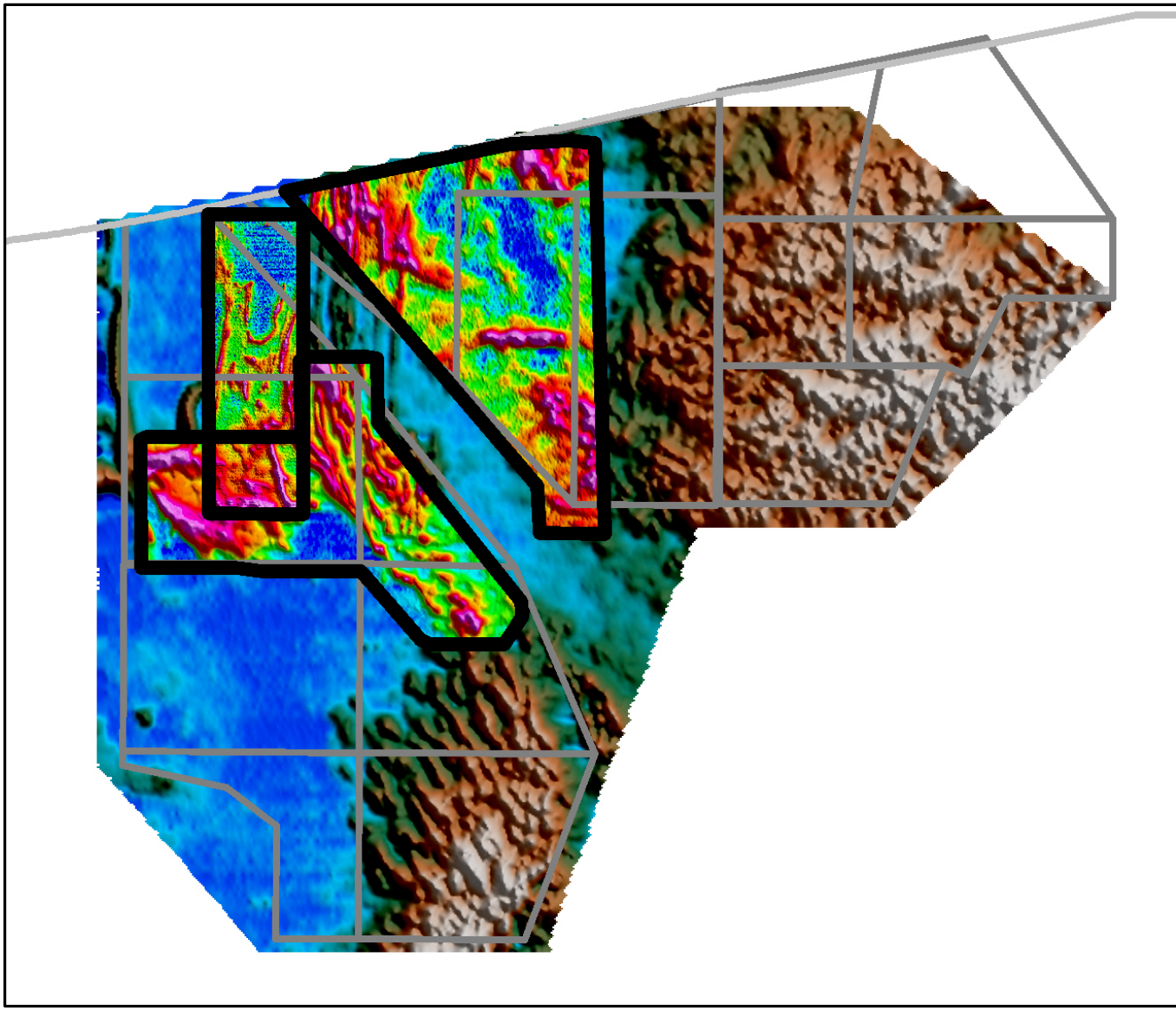
Magnetics	Line spacing (m)	Line kms (m)	Area (km2)
Tsodilo Ground Magnetics	20 & 50	22,749	465
FQM Airborne Magnetics	200	16,933	633
Government Airborne Magnetics	250	-	-

Dataset Geophysics:
2. Spectrum Airborne Electromagnetic (AEM)

Spectrum Airborne Electromagnetic (AEM)

- 200 m line spacing in the Xaudum infill.
- 500 m in Xaudum 13A and 13 B
- 1000 m in the general panhandle area.

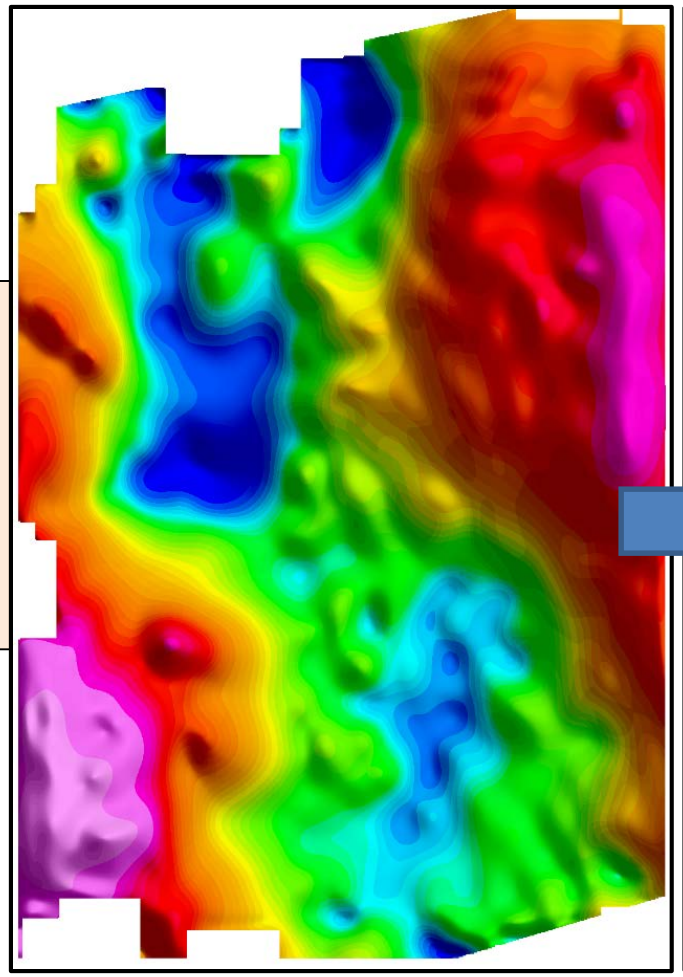
Conductive zones are red or brown = shales, diamictites

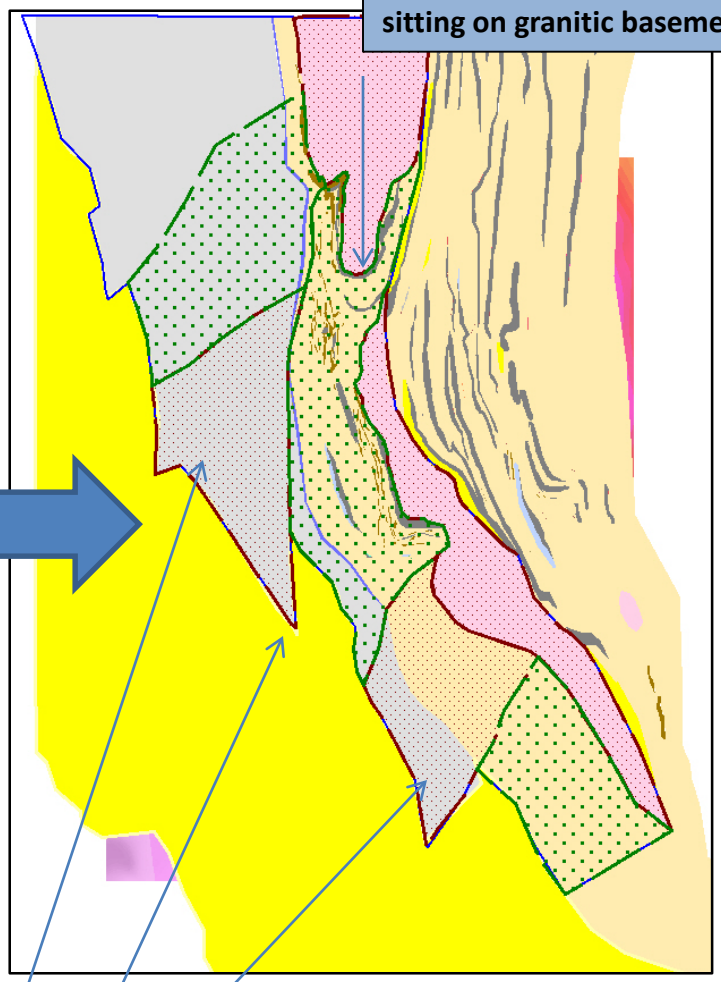


Dataset Geophysics: 3. Airborne Gravity

Aerograv

- 10,392 line km flown
- 75 % completed - problems with the helicopter.



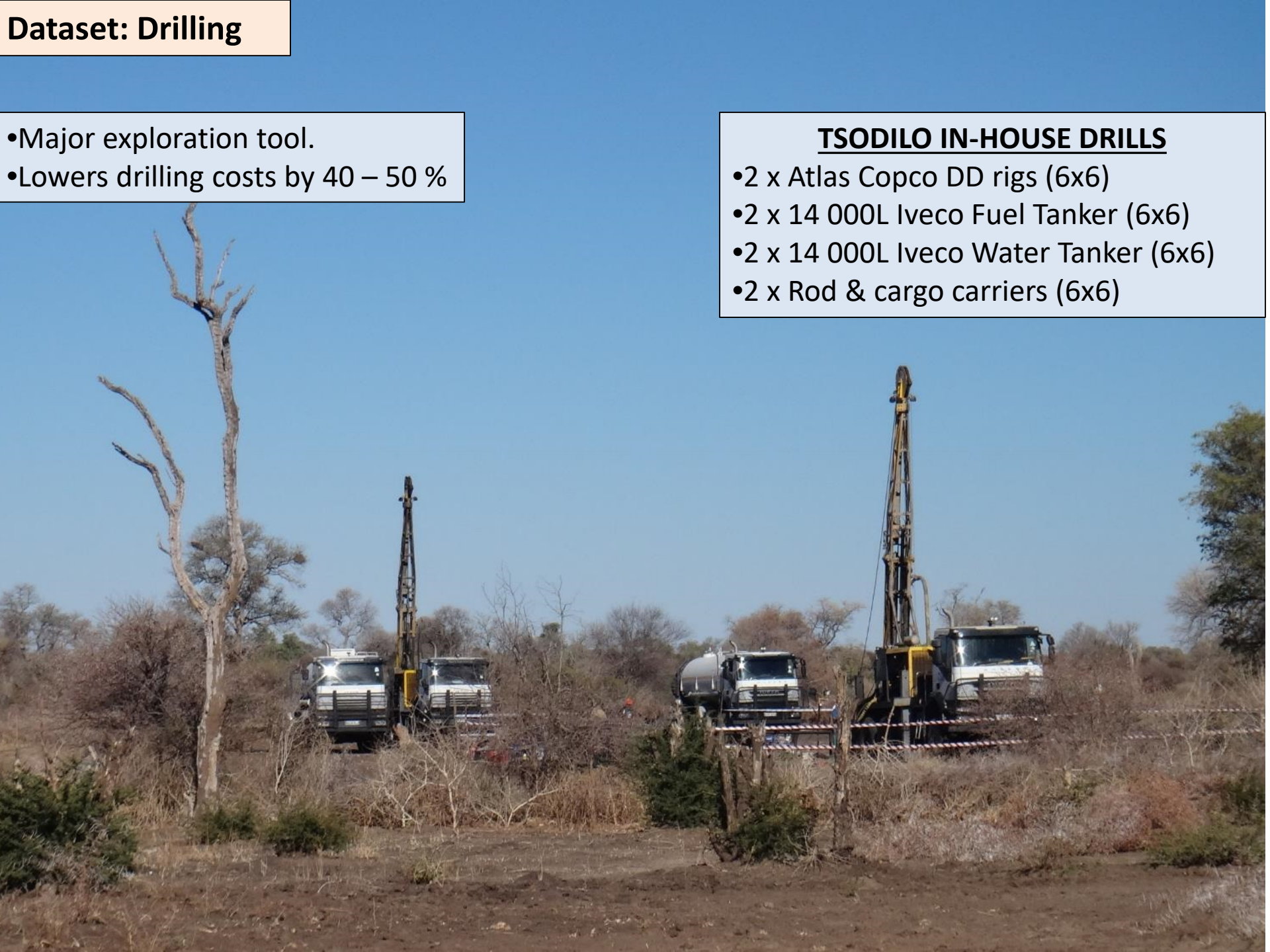


Dataset: Drilling

- Major exploration tool.
- Lowers drilling costs by 40 – 50 %

TSODILO IN-HOUSE DRILLS

- 2 x Atlas Copco DD rigs (6x6)
- 2 x 14 000L Iveco Fuel Tanker (6x6)
- 2 x 14 000L Iveco Water Tanker (6x6)
- 2 x Rod & cargo carriers (6x6)

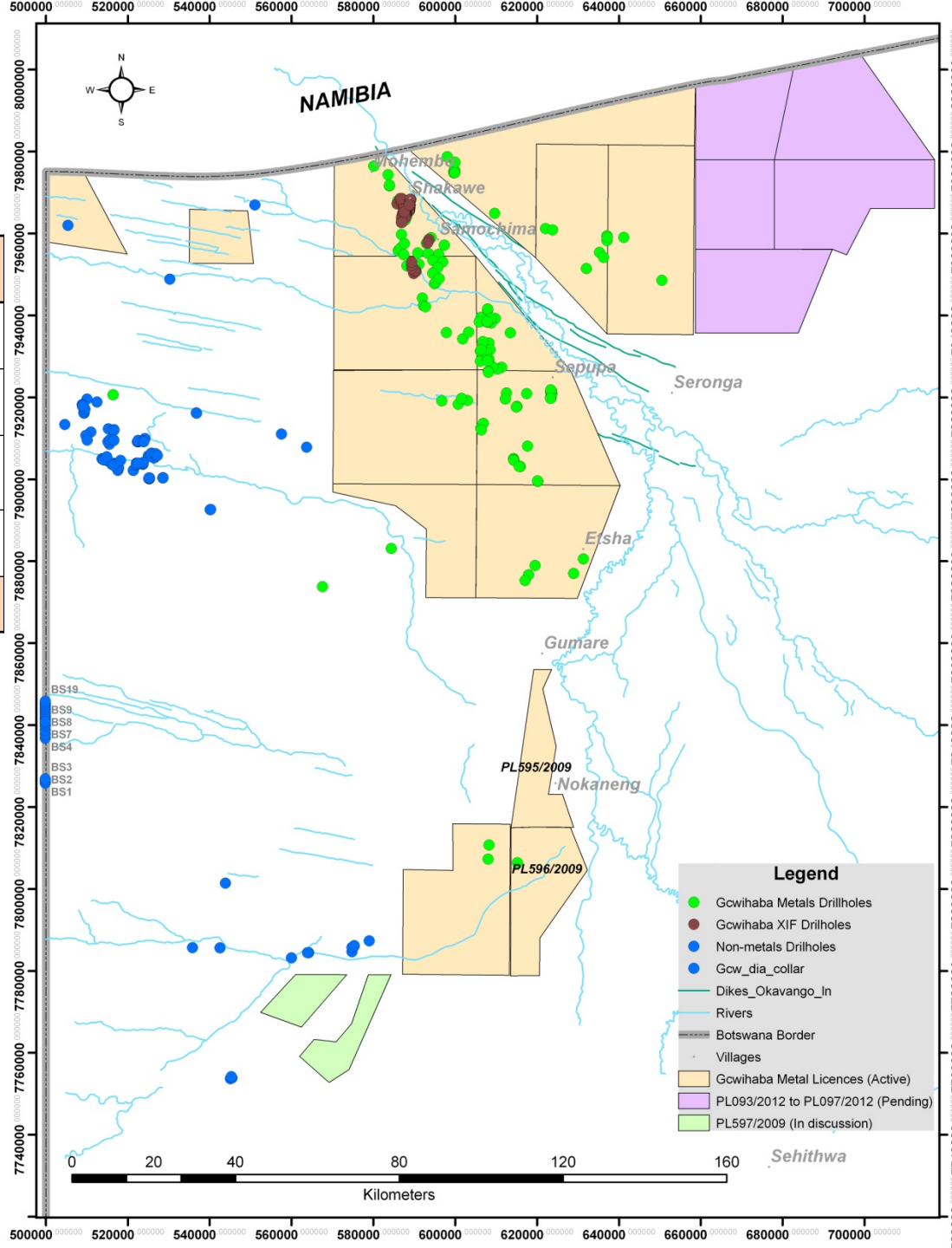


Dataset drilling:
1. Holes drilled by Gcwihaba

	Region	Tsodilo Drillholes	Holes	Depth (m)
	Ngamiland	Iron (XIF) Evaluation	159	30,688.93
	Ngamiland	Metals (excluding XIF)	112	25,339.32
	Ngamiland	Non-metals (Ngamiland)	162	13,566.9
	Werda & BK16	Non-metals (Other)	25	4,131.82
	TOTAL		458	73,726.97

FQM Re-logging of 157 DD Tsodilo Holes.

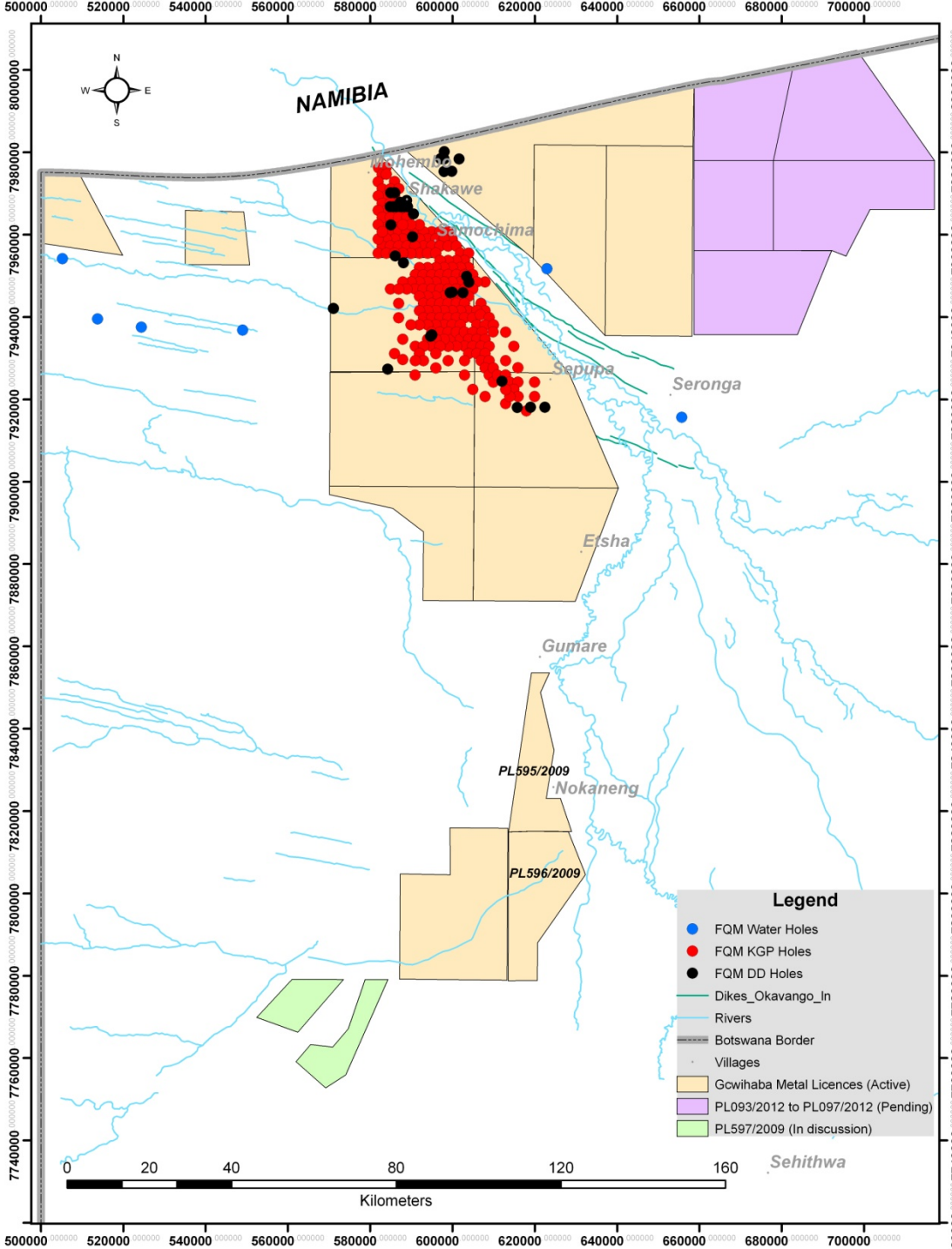
49,157 assays results – core samples



Dataset drilling:
2. Holes drilled by Gcwihaba's partner - FQM

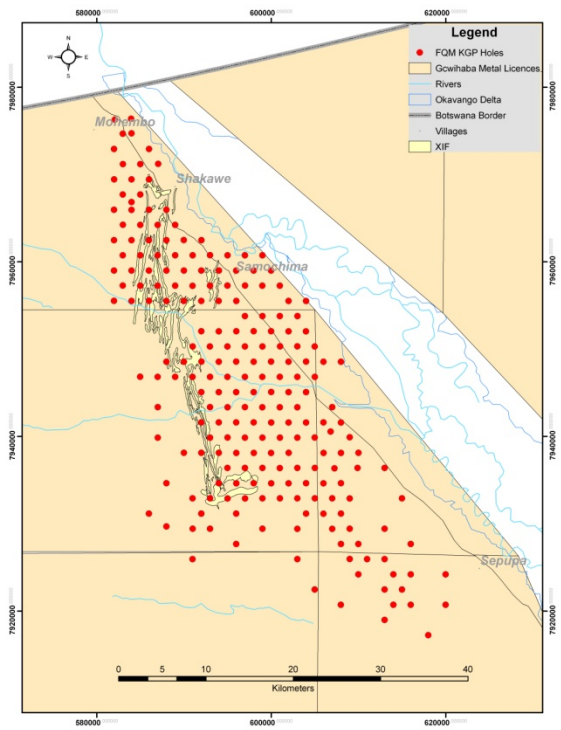
	FQM Drillholes	Holes	Depth (m)
●	Diamond Drillholes (DD)Holes	48	17,251.92
●	Kalahari Geochemistry (DD & RC)	220	13,602.00
●	Water Sampling Holes	6	270.00
		274	31,123.92

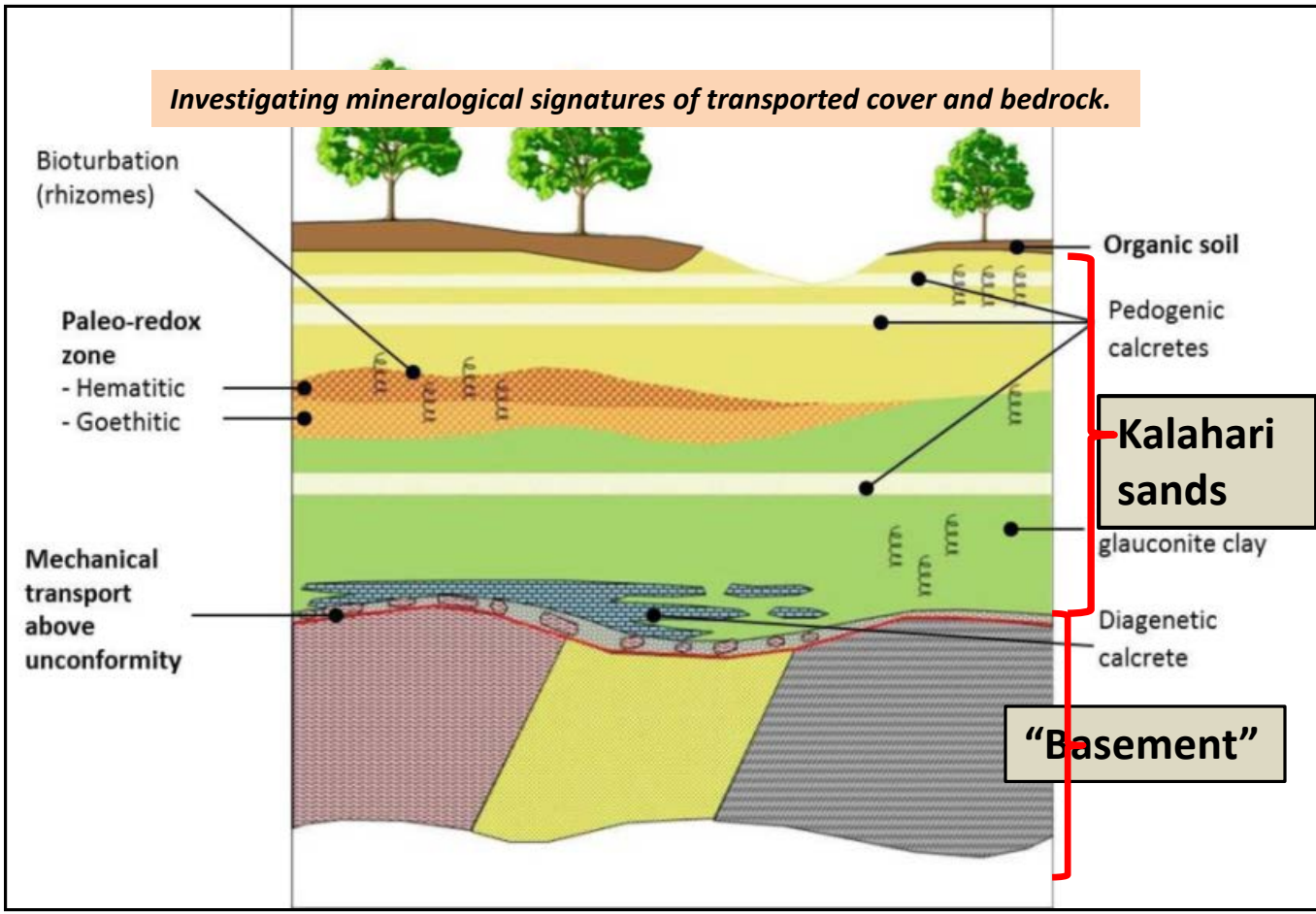
2,438 assay results – core samples



Dataset Kalahari Geochemistry Program

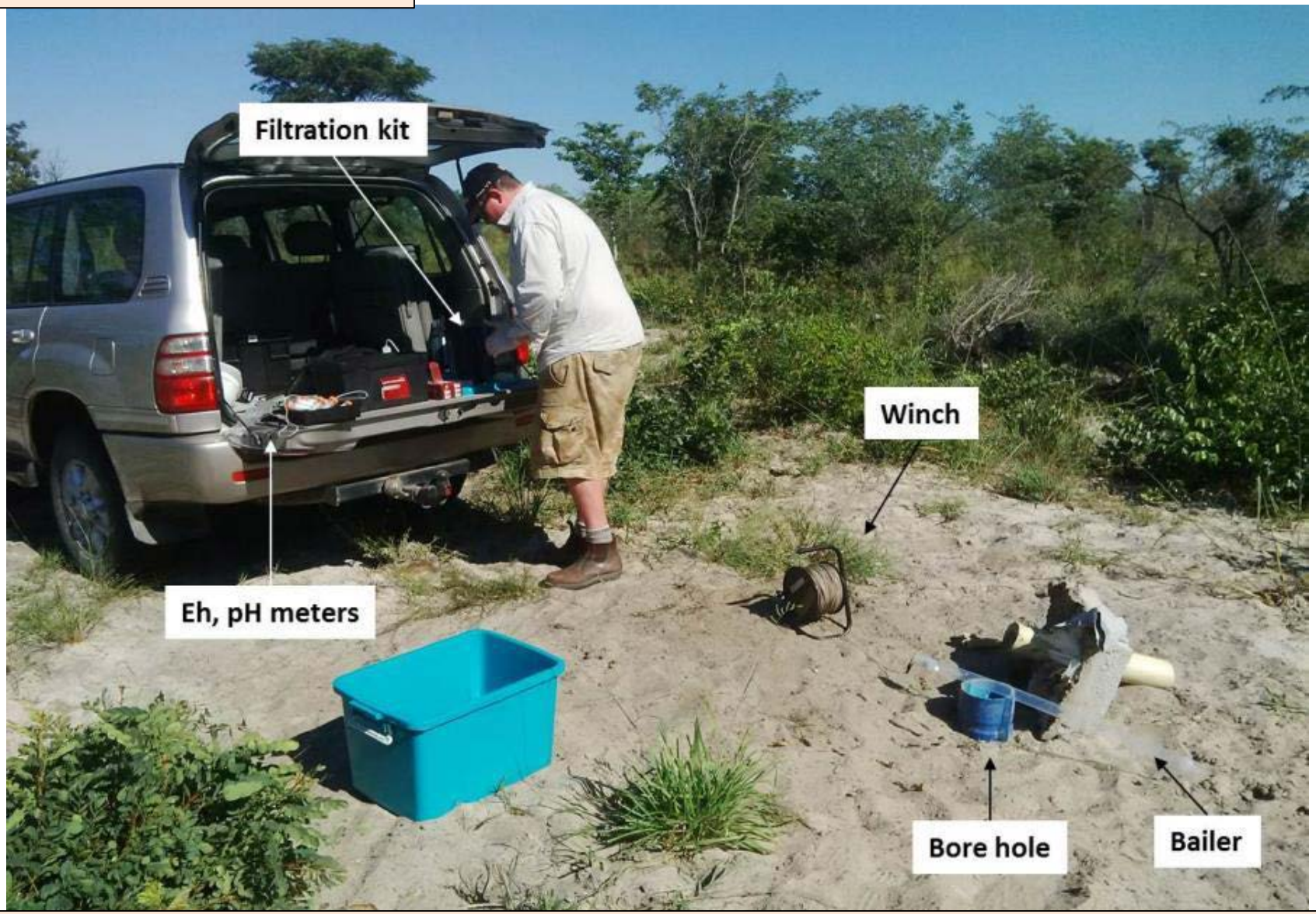
220 Holes drilled on a 2x2 km grid (total 13.6 km)





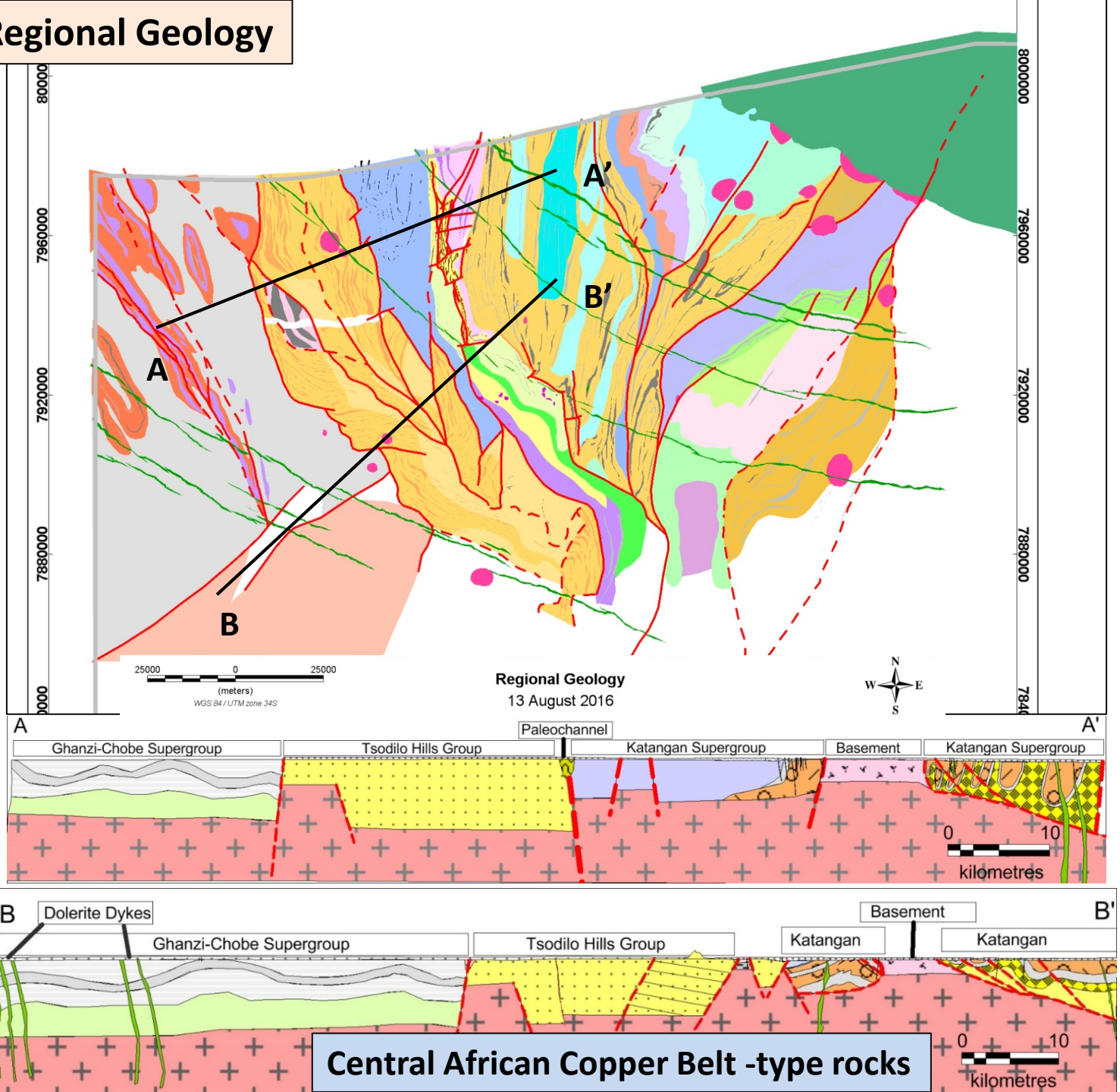
1. **Kalahari Geochemistry** – delineates metal anomalism in the Kalahari sands. Includes work by Dr. Anand OF CSIRO.
2. **Assaying DD core samples.**

Dataset: Hydrogeochemistry



1. **Hydrogeochemistry** – groundwater equilibrating with oxidising mineralisation at the Katangan ("basement") -Kalahari interface and form large scale anomalies. Include regional and local (drill holes) sampling.
   - Water sampling program from **215** sources including drill holes and government bores, and hand dug.
   - Water Assays from three ALS techniques (ME-MS14HR, ME-ICP14, ME-MS14)

Dataset Regional Geology



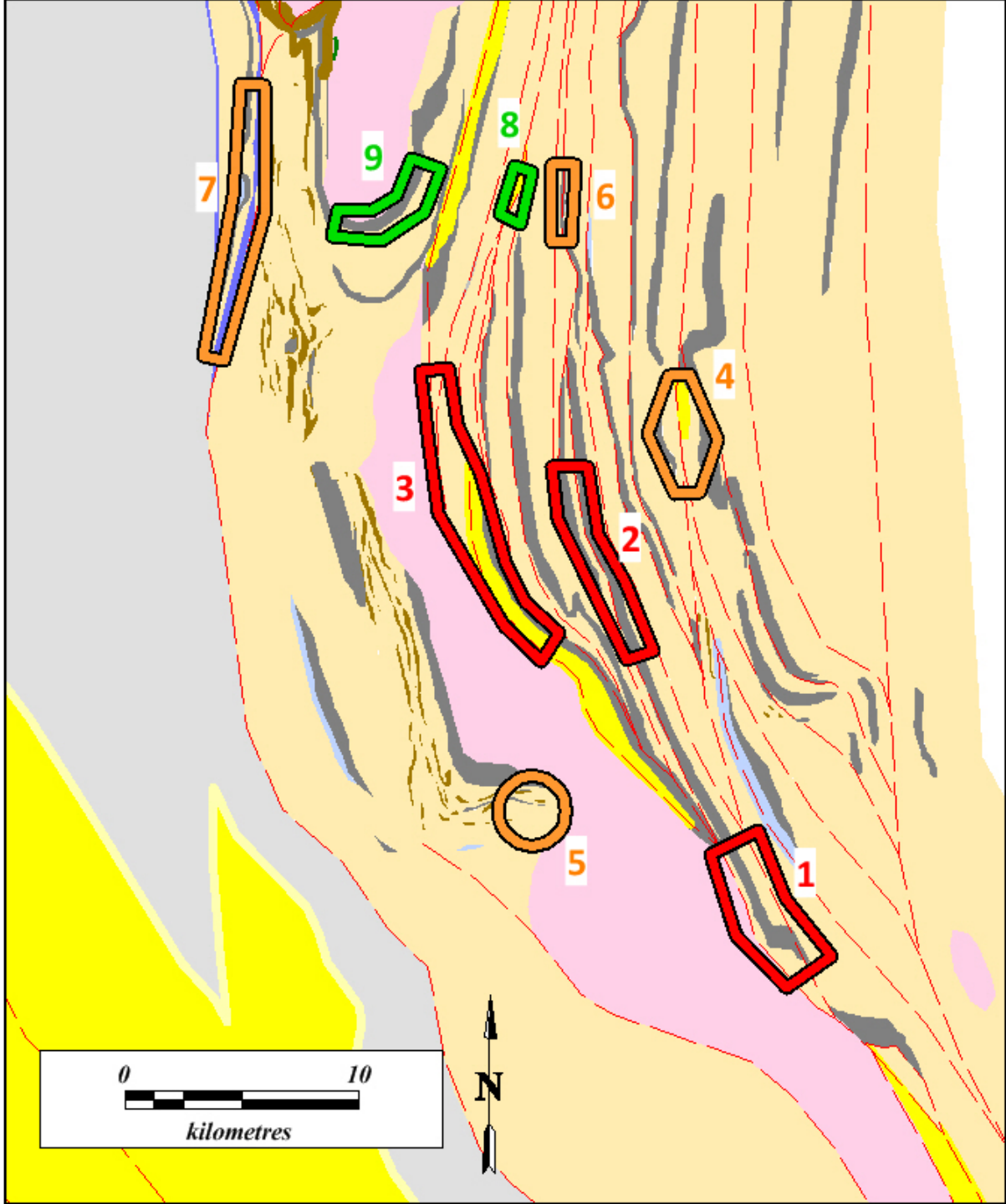
Central African Copper Belt -type rocks

Where FQM left……..

9 FQM Target zones after Kalahari Geochemistry Program

RED: High Priority targets

Target	Priority
Northern Swell	1
Middle Earth	2
Banana	3
Nxamasere	4
Hockey Stick	5
Peninsular	6
School	7
Samochima	8
U-bend	9



Methodology 1 Gridding Assays

Recce 1: meta-sedimentary units including basement lithologies but excluding the Kalahari cover.

Recce2: meta-sedimentary units excluding both the basement lithologies and Kalahari cover.

Recce3: Kalahari cover (KGP Holes)

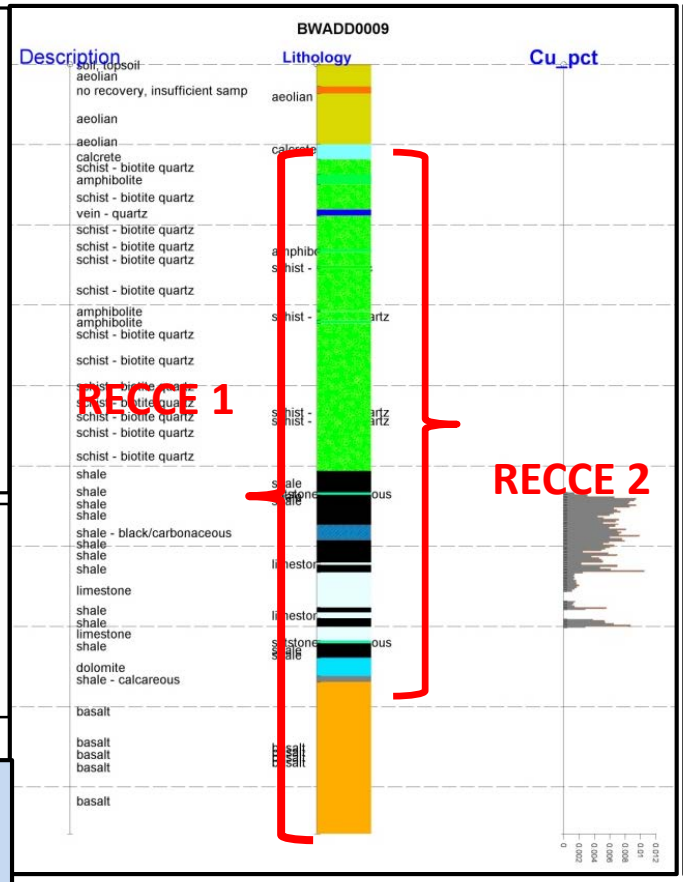
Recce4: hydro-geochemistry samples. *Unreliable.*

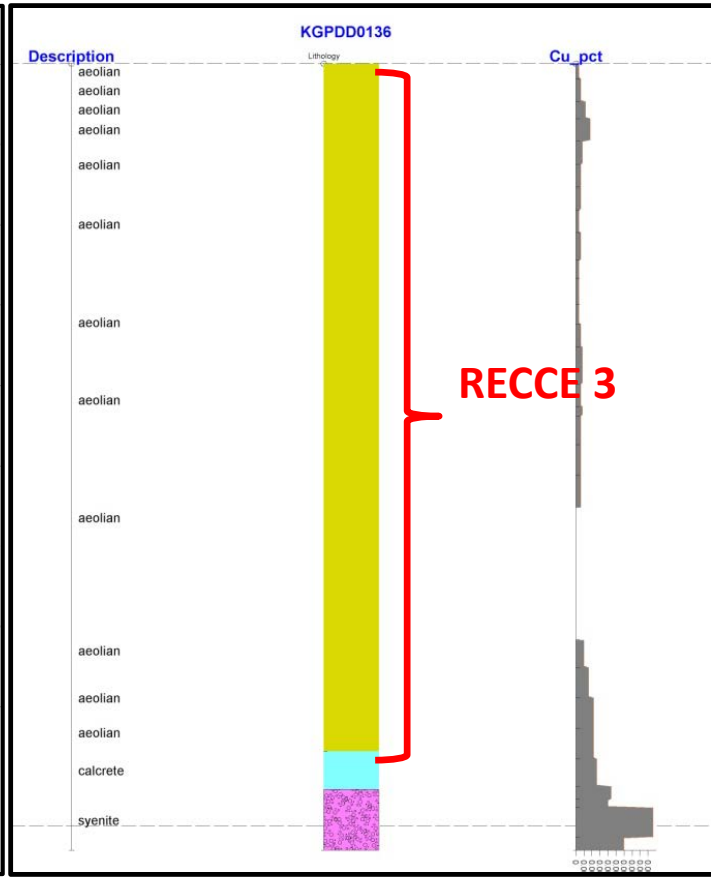
Element/Sc ratio: Maximum assay value of element divided by corresponding Sc value.

Maximum Assay Values.

Use, in order:

- **Recce2**
- **Element/Sc ratio**
- **Maximum Assay values**
- **Recce3**





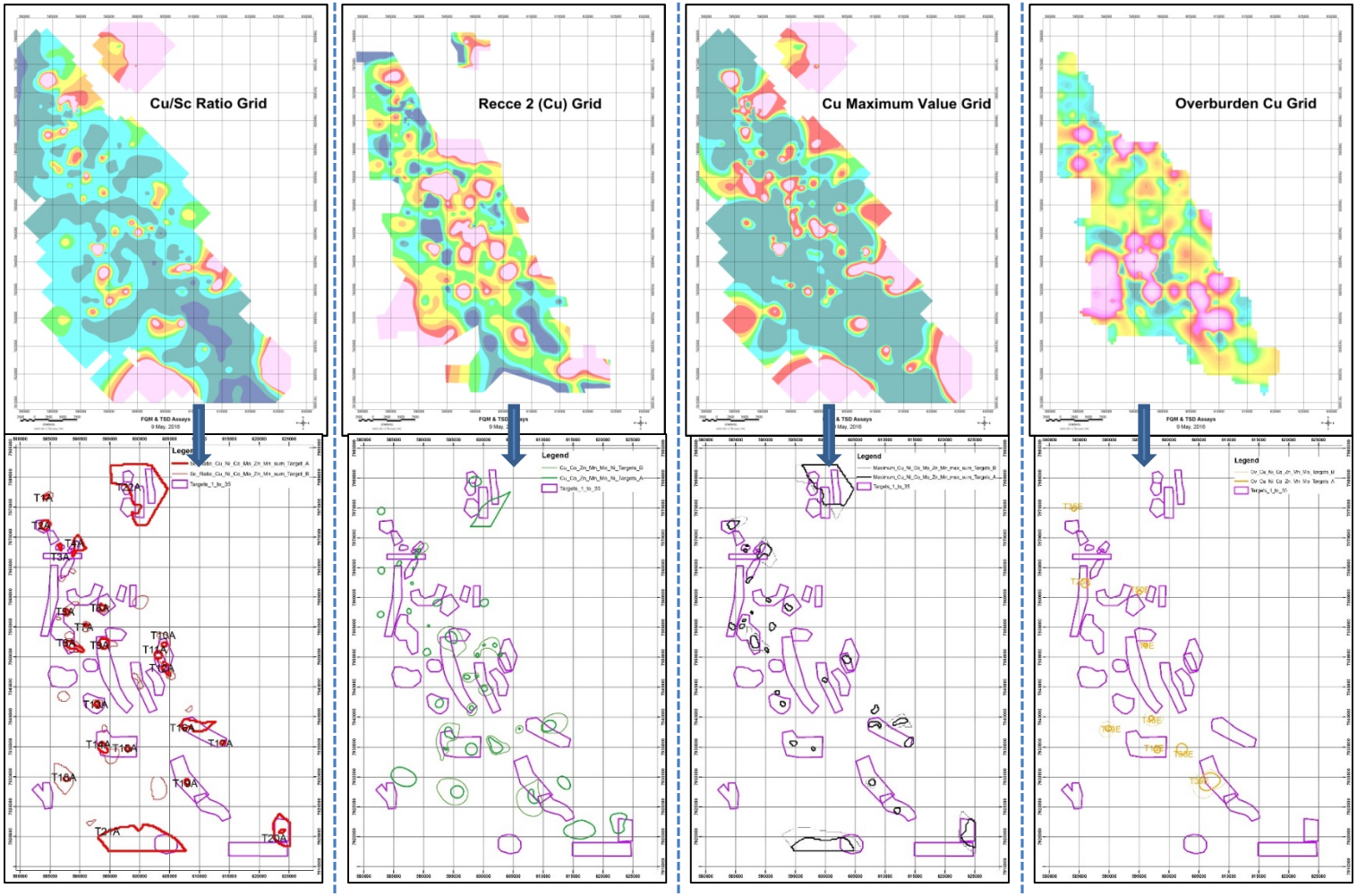
- Key elements gridded: **Cu, Ni, Co, Zn, Mo and Mn.**

Methodology 2

Grid Assay values

Cu only grids

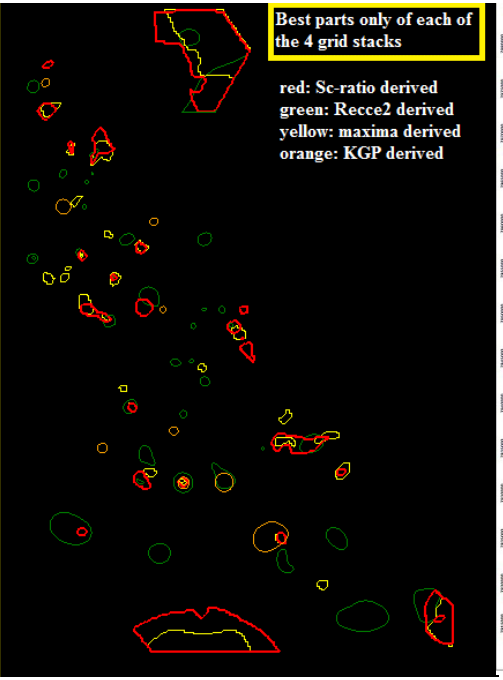
Sum
Cu, Ni, Co, Zn, Mo and Mn grids

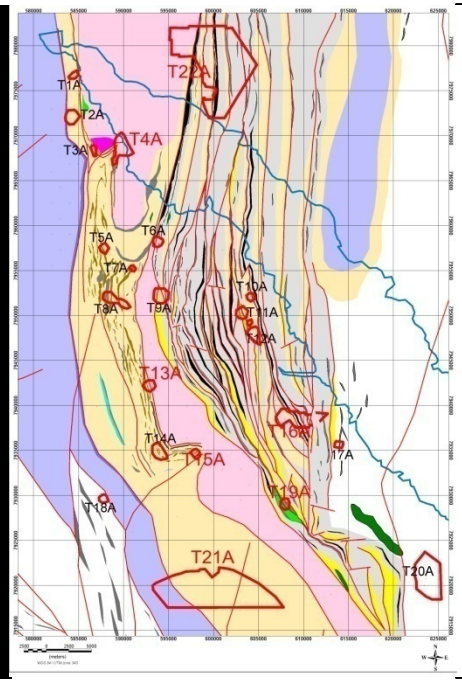


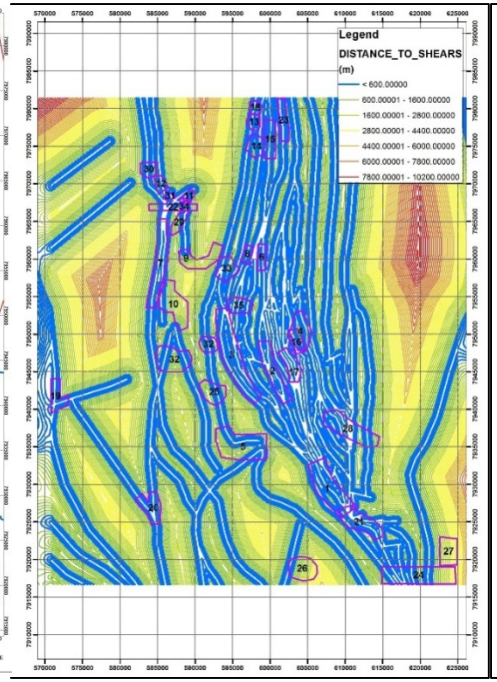
Element/Sc Ratio | Recce 2 | Maximum values | Overburden

Methodology 3 Final Grid Results

Grid Stack + Geology + Distance to shear + Distance to shear junction







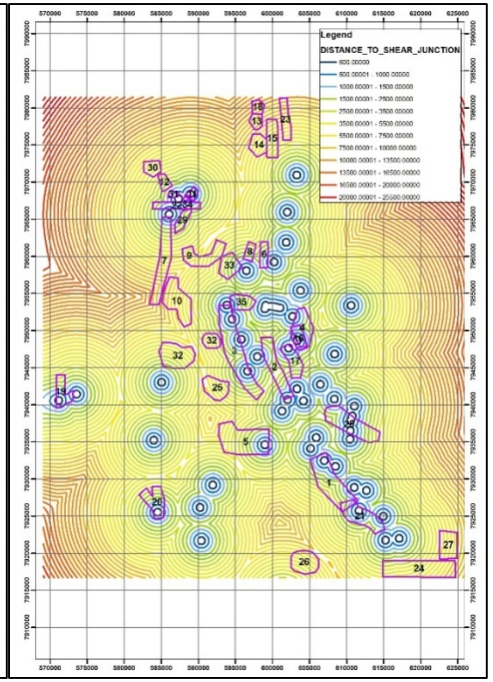


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TABLE MATRIX

Results: Table Matrix

first pass prioritisation_2016_8_12.xlsx - Microsoft Excel

First Score in column AC

Sc	Recce2	Max	KGP	A - AB Score
T1A				2
T2A		T2D		3
T3A	T3C	T3D		4
T4A	T4C	T4D		4
T5A	T5C	T5D		4
T6A	T6C	T6D		4
T7A	T7C	T7D		4
T8A	T8C	T8D		4
T9A	T9C		T9E	4
T10A	T10C			3
T11A	T11C	T11D		4
T12A				2
T13A	T13C	T13D		4
T14A	T14C	T14D		4
T15A	T15C	T15D	T15E	5
T16A	T16C	T16D		4
T17A		T17D		3
T18A	T18C			3
T19A				2
T20A	T20A	T20D		4
T21A		T21D		3
T22A	T22C	T22D		4
T1B				0.5
			T2Db	0.3
	T4Cb		T4Db	0.5
T5B				0.5
T6B				0.5
T7B				0.5
T8B			T8Db	0.8
T9B	T9Cb			0.8
T10B				0.5
T12B				0.5
T13B				0.5
T14B	T14Cb			0.8
	T16Cb		T16Db	0.5
T18B				0.5
			T20Db	0.3
			T21Db	0.3
			T22Db	0.3
T23B	T23C			0.8
T24B	T24C			0.8
T25B	T25C	T25D	T25E	1.3
T26B				0.5
T27B				0.5
T28B				0.5
T29B	T29B			0.8
T30B				0.5
T31B				0.5
T32B				0.5
T34B	T34C	T34D	T35E	1.5
	T35C			0.3
	T36C			0.3
	T37C			0.3
	T38C		T38E	0.8
	T39C	T39D	T39E	1.5
	T40C			0.3
	T41C			0.3
	T42C	T42Cb		0.5
	T43C			0.3
	T44C	T44Cb		0.5
	T45C			0.3
	T46C	T46Cb	T46E	1.0
		T47D		0.3
		T48D		0.3

Shear Junction Proximity Value in column AS

Sc	SJP	Recce2	Max	KGP	SJP value
T1A					
T2A			T2D		
T3A	Y	T3C	T3D y		1
T4A	Y	T4C y	T4D y		1
T5A		T5C	T5D		
T6A		T6C	T6D		
T7A		T7C	T7D		
T8A		T8C	T8D		
T9A	y	T9C y		T9E ?	1
T10A	y	T10C y			1
T11A		T11C	T11D y		1
T12A	y				1
T13A		T13C	T13D		
T14A		T14C	T14D		
T15A	y	T15C y	T15D y	T15E y	1
T16A	y	T16C y	T16D y		1
T17A			T17D		
T18A		T18C			
T19A					
T20A		T20A	T20D		
T21A			T21D		
T22A		T22C	T22D		
T1B					
			T2Db		
		T4Cb y	T4Db y		0.25
T5B					
T6B					
T7B					
T8B			T8Db		
T9B	y	T9Cb y			0.25
T10B	y				0.25
T12B					
T13B					
T14B		T14Cb			
		T16Cb y	T16Db y		0.25
T18B					
			T20Db		
			T21Db		
			T22Db		
T23B	Y	T23C y			0.25
T24B		T24C			
T25B		T25C	T25D	T25E	
T26B					
T27B					
T28B					
T29B		T29B			
T30B					
T31B					
T32B	Y				0.25
T34B	y	T34C y	T34D	T35E	0.25
		T35C			
		T36C y			0.25
		T37C			
		T38C	T38Cb	T38E	
		T39C	T39Cb	T39D	T39Db	T39E	T39Eb
		T40C y			0.25
		T41C y			0.25
		T42C	T42Cb		
		T43C			
		T44C	T44C y		0.25
		T45C			
		T46C	T46Cb	T46E	T46Eb
			T47D		
			T48D		

Shear Proximity Value in column BI

Sc	SP	Recce2	Max	KGP	SP
T1A	y	y			0.5
T2A	y		T2D y		0.5
T3A	y	T3C y	T3D y		0.5
T4A	y	T4C y	T4D y		0.5
T5A		T5C	T5D		
T6A	y	T6C	T6D y		0.5
T7A		T7C	T7D		
T8A		T8C y	T8D		0.5
T9A	y	T9C y		T9E y	0.5
T10A	y	T10C y			0.5
T11A	y	T11C y	T11D y		0.5
T12A	y				0.5
T13A	y	T13C y	T13D y		0.5
T14A		T14C	T14D y		0.5
T15A	y	T15C y	T15D y	T15E y	0.5
T16A	y	T16C y	T16D y		0.5
T17A	y		T17D y		0.5
T18A	y	T18C y			0.5
T19A	y				0.5
T20A		T20C y	T20D		0.5
T21A	y		T21D y		0.5
T22A	y	T22C y	T22D y		0.5
T1B					
			T2Db y		0.15
		T4Cb y	T4Db y		0.15
T5B					
T6B	y				0.15
T7B	y				0.15
T8B			T8Db y		0.15
T9B	y	T9Cb y			0.15
T10B	y				0.15
T12B	y				0.15
T13B	y				0.15
T14B	y	T14C y			0.15
		T16C y	T16D y		0.15
T18B	y				0.15
			T20Db		
			T21D y		0.15
			T22D y		0.15
T23B	y	T23C y			0.15
T24B	y	T24C y			0.15
T25B	y	T25C y	T25D	T25E y	0.15
T26B	y				0.15
T27B					
T28B	y				0.15
T29B	y	T29B y			0.15
T30B					
T31B					
T32B	y				0.15
T34B	y	T34C y	T34C y	T35E y	0.15
		T35C y			0.15
		T36C y			0.15
		T37C			
		T38C y	T38C y	T38E y	0.15
		T39C y	T39C y	T39E y	T39E y	0.15
		T40C y			0.15
		T41C y			0.15
		T42C	T42C y		0.15
		T43C			
		T44C	T44C y		0.15
		T45C y			0.15
		T46C y	T46C y	T46E	T46E y	0.15
			T47D y		0.15
			T48D y		0.15

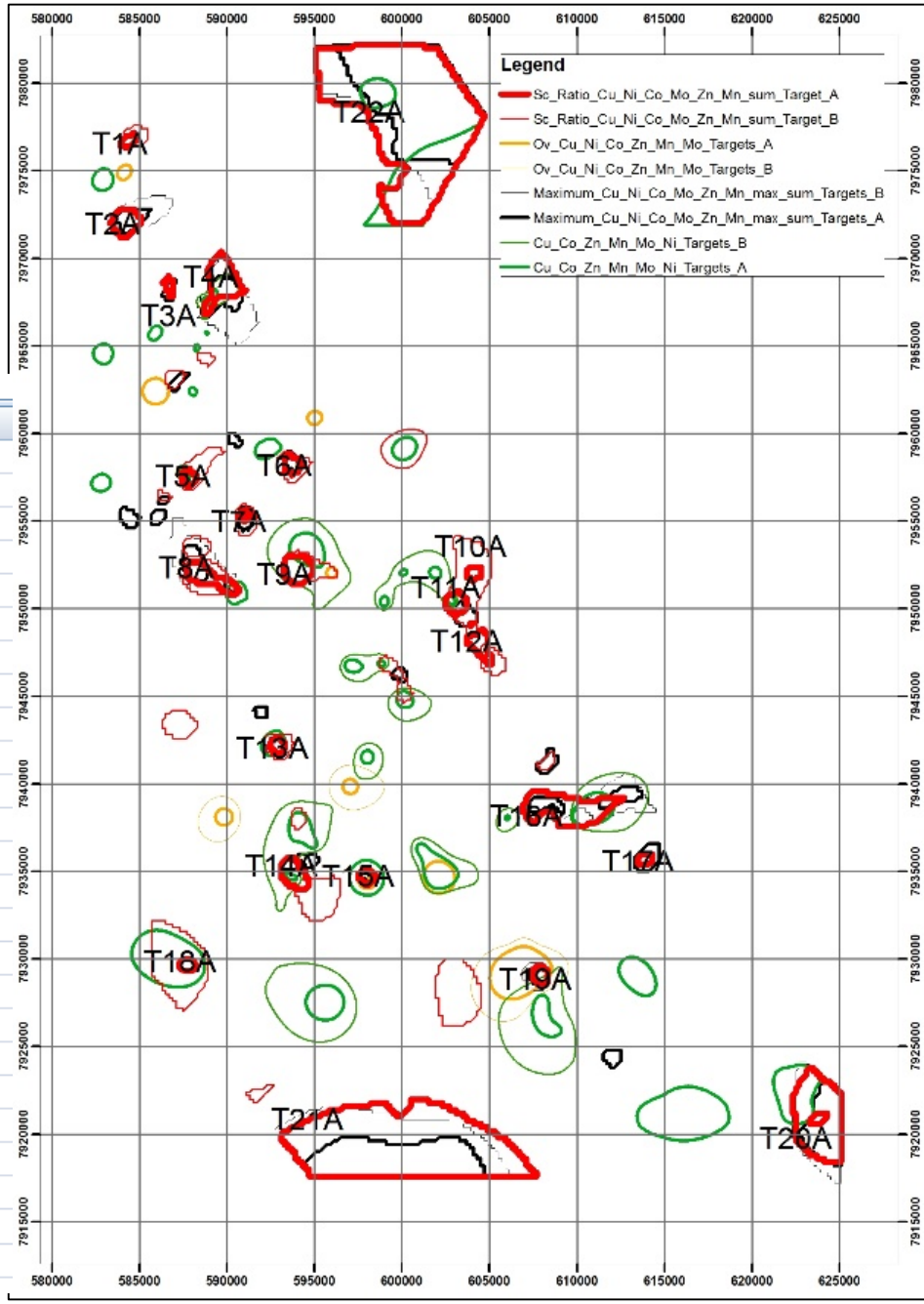
Target	A - AB Score	SJP added	SP added
T1A	2	2	2.5
T2A	3	3	3.5
T3A	4	5	5.5
T4A	4	5	5.5
T5A	4	4	4.0
T6A	4	4	4.5
T7A	4	4	4.0
T8A	4	4	4.5
T9A	4	5	5.5
T10A	3	4	4.5
T11A	4	5	5.5
T12A	2	3	3.5
T13A	4	4	4.5
T14A	4	4	4.5
T15A	5	6	6.5
T16A	4	5	5.5
T17A	3	3	3.5
T18A	3	3	3.5
T19A	2	2	2.5
T20A	4	4	4.5
T21A	3	3	3.5
T22A	4	4	4.5
T1B	0.5	0.50	0.50
T2Db	0.3	0.25	0.40
T4Db	0.5	0.75	0.90
T5B	0.5	0.50	0.50
T6B	0.5	0.50	0.65
T7B	0.5	0.50	0.65
T8B	0.8	0.75	0.90
T9B	0.8	1.00	1.15
T10B	0.5	0.75	0.90
T12B	0.5	0.50	0.65
T13B	0.5	0.50	0.65
T14B	0.8	0.75	0.90
T16Cb	0.5	0.75	0.90
T18B	0.5	0.50	0.65
T20Db	0.3	0.25	0.25
T21Db	0.3	0.25	0.40
T22Db	0.3	0.25	0.40
T23B	0.8	1.00	1.15
T24B	0.8	0.75	0.90
T25B	1.3	1.25	1.40
T26B	0.5	0.50	0.65
T27B	0.5	0.50	0.50
T28B	0.5	0.50	0.65
T29B	0.8	0.75	0.90
T30B	0.5	0.50	0.50
T31B	0.5	0.50	0.50
T32B	0.5	0.75	0.90
T34B	1.5	1.75	1.90
T35C	0.3	0.25	0.40
T36C	0.3	0.50	0.65
T37C	0.3	0.25	0.25
T38C	0.8	0.75	0.90
T39C	1.5	1.50	1.65
T40C	0.3	0.50	0.65
T41C	0.3	0.50	0.65
T42C	0.5	0.50	0.65
T43C	0.3	0.25	0.25
T44C	0.5	0.75	0.90
T45C	0.3	0.25	0.40
T46C	1.0	1.00	1.15
T47D	0.3	0.25	0.40
T48D	0.3	0.25	0.40

Results: Targets in order of priority

- 7 priority 1 targets
- 6 priority 2 targets
- 9 priority 3 targets

= 22 target zones

Target	Grids Geochem	Shear Junctions	Shears	Geology Score	Total Score	Priority
	P1_G	P2_SJ	P2_Sw	GS		
T16A	6	1	0.5	0.92	8.423	1
T22A	6	0	1	0.86	7.864	1
T19A	6	0	0.5	0.74	7.238	1
T13A	6	0	0.5	0.65	7.153	1
T15A	5	1	0.5	0.60	7.098	1
T4A	5	1	0.5	0.56	7.062	1
T21A	6	0	0.5	0.50	7.002	1
T5A	6	0	0	0.43	6.428	2
T6A	5	0	0.5	0.87	6.367	2
T11A	4	1	0.5	0.76	6.258	2
T9A	4	1	0.5	0.70	6.199	2
T2A	5	0	0.5	0.60	6.100	2
T20A	6	0	0	0.00	6.000	2
T7A	5	0	0	0.36	5.360	3
T12A	3	1	0.5	0.73	5.233	3
T3A	3	1	0.5	0.43	4.926	3
T17A	4	0	0.5	0.11	4.606	3
T8A	4	0	0	0.56	4.557	3
T18A	4	0	0.5	0.00	4.500	3
T10A	2	1	0.5	0.70	4.202	3
T1A	3	0	0.5	0.60	4.100	3
T14A	3	0	0	0.54	3.542	3



Summary

- Due to extensive Kalahari cover, geophysics and drilling used as major exploration tools.
- Assay data from both deep diamond holes and shallow Kalahari Geochemistry Program gridded to give grid stacks.
- Key elements: **Cu, Ni, Co, Zn, Mo and Mn.**
- Proximity of the anomalous grid to shears, shear junctions and geological units of interest were analysed.
- A table matrix for grids, shears, shear junction and geology created and scores applied.
- **22 high priority targets (7 high, 6 med, 9 low) identified for next phase drilling program.**