



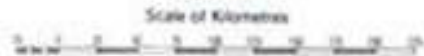
Cam and Motor Gold Mine

01 December 2017

Presentation Sequence

- Locality and History of Cam and Motor Mine
- Exploration work done at Cam and Motor by RioZim.
- Current mining and gold processing at Cam and Motor.

Scale of kilometers



CAM & MOTOR GOLD PROJECT

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REPUBLIC OF SOUTH AFRICA

Cam and motor mine



Cam and Motor Mining History



1. Mining history dates back to early 1900s.
2. Cam and Motor Mining company floated on the London Stock exchange in 1910.
3. Mines produced 150 metric tonnes of gold (4.67 million ounces) from 11.76 million tonnes of ore.
4. Mines developed down to 2063m from surface on a narrow reef.
5. Mines closed down in 1968 when the gold price was USD35 per ounce(currently price is around USD1250.00 per ounce).
6. From 1968 to the late 1990s there was dump treatment of the tailings.

Cam and Motor Recent work by RioZim



1. Compilation of Old Exploration data in October 2008 and diamond drilling done from August 2009 to March 2011 and a resource was defined.
2. A total of 146 holes covering 19400m were drilled.
3. Cam & Motor Mine opened in April 2015- December 2016 and processed ore at rented Dalny Plant.
4. In January-October 2016 Cam and Motor plant was installed and commissioned in November 2016.
5. From April 2015 to October 2017 a total of 2240kgs of gold has been produced from 728 000 tonnes of gold averaging 4.24g/t.

Historical Gold Production from Midlands Greenstone Belt



General Geology



Regional Geology:

Occurs within the Midlands Greenstone belt

- a) Rhodesdale Granitoid Gneissic Complex
- b) Greenstone Belt Metavolcanics lithologies(Bulawayan)
- c) Shamvaian Sediments
- d) Tonalitic granitoid plutons and other major felsic intrusions.

Local Geology:

- 1. Metavolcanics (Metabasalts, Metadolerites)
- 2. Metasediments (Sandstones, greywacke, arkose)
- 3. Black shale sediments with intercalations of sandstone in places
- 4. Quartz veins.
- 5. Ferricretes (grits)
- 6. Conglomerates

Common sulphides present



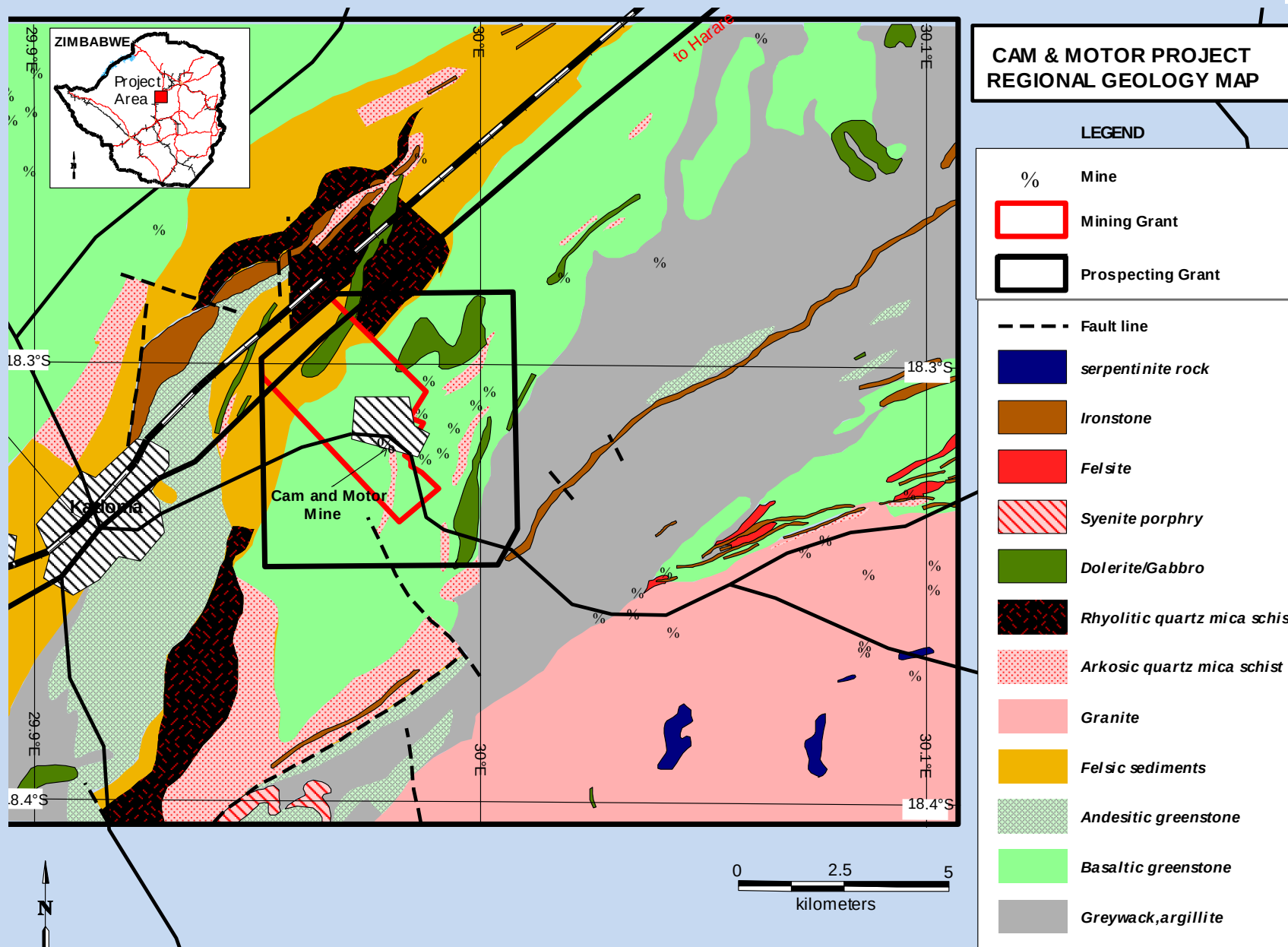
Main sulphides

- Pyrite - FeS
- Arsenopyrite (Mispickel)- FeAsS
- Stibnite- Sb_2S_3

Minor sulphides

- Galena- PbS
- Sphalerite- $(\text{Zn},\text{Fe})\text{S}$
- Chalcopyrite- (CuFeS_2)
- Tennantite- $(\text{Cu},\text{Fe})_{12}(\text{Sb},\text{As})_4\text{S}_{13}$

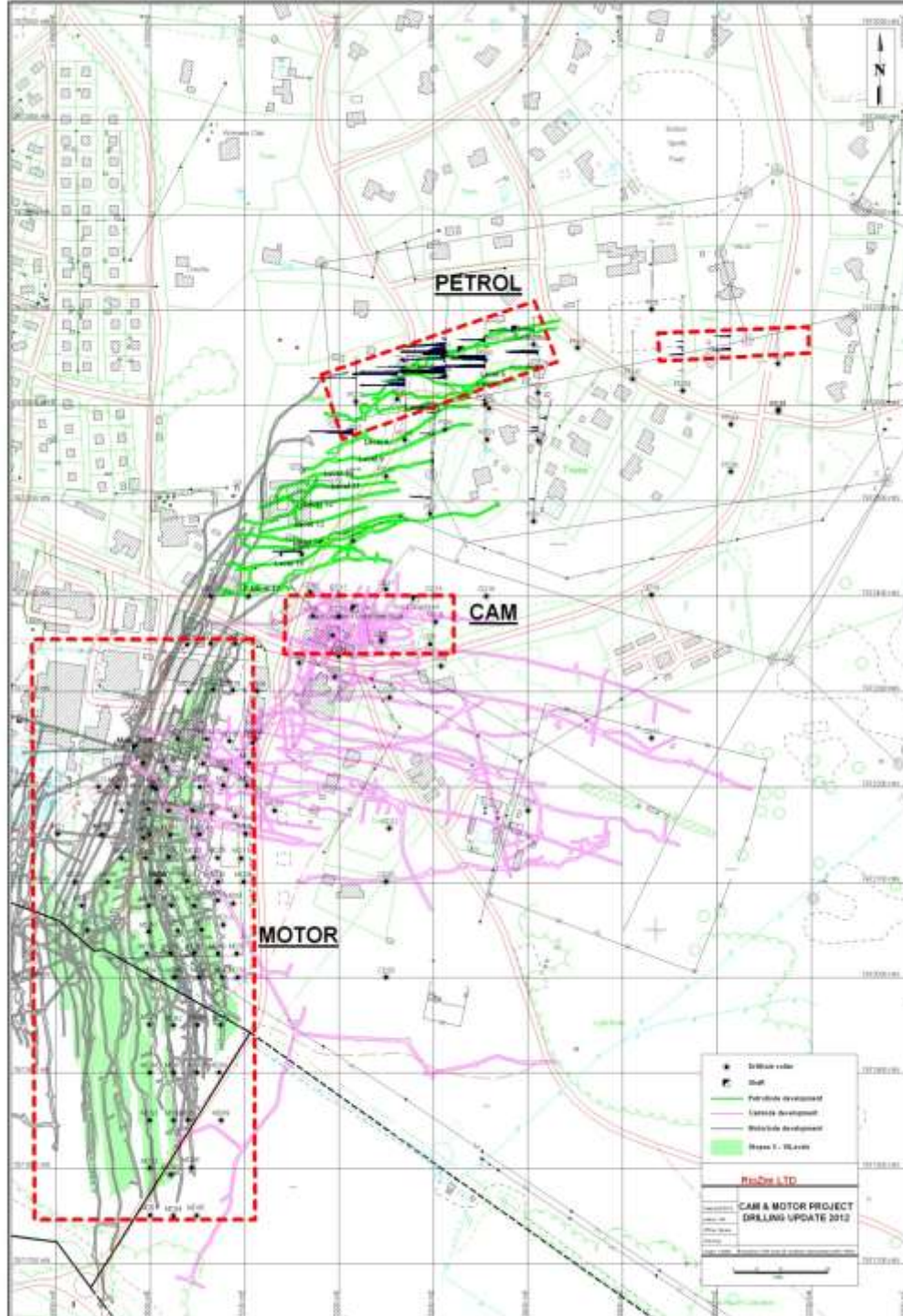
Regional Geology of the Cam and Motor Project



Diamond Drilling done from March 2009 -31 March 2011

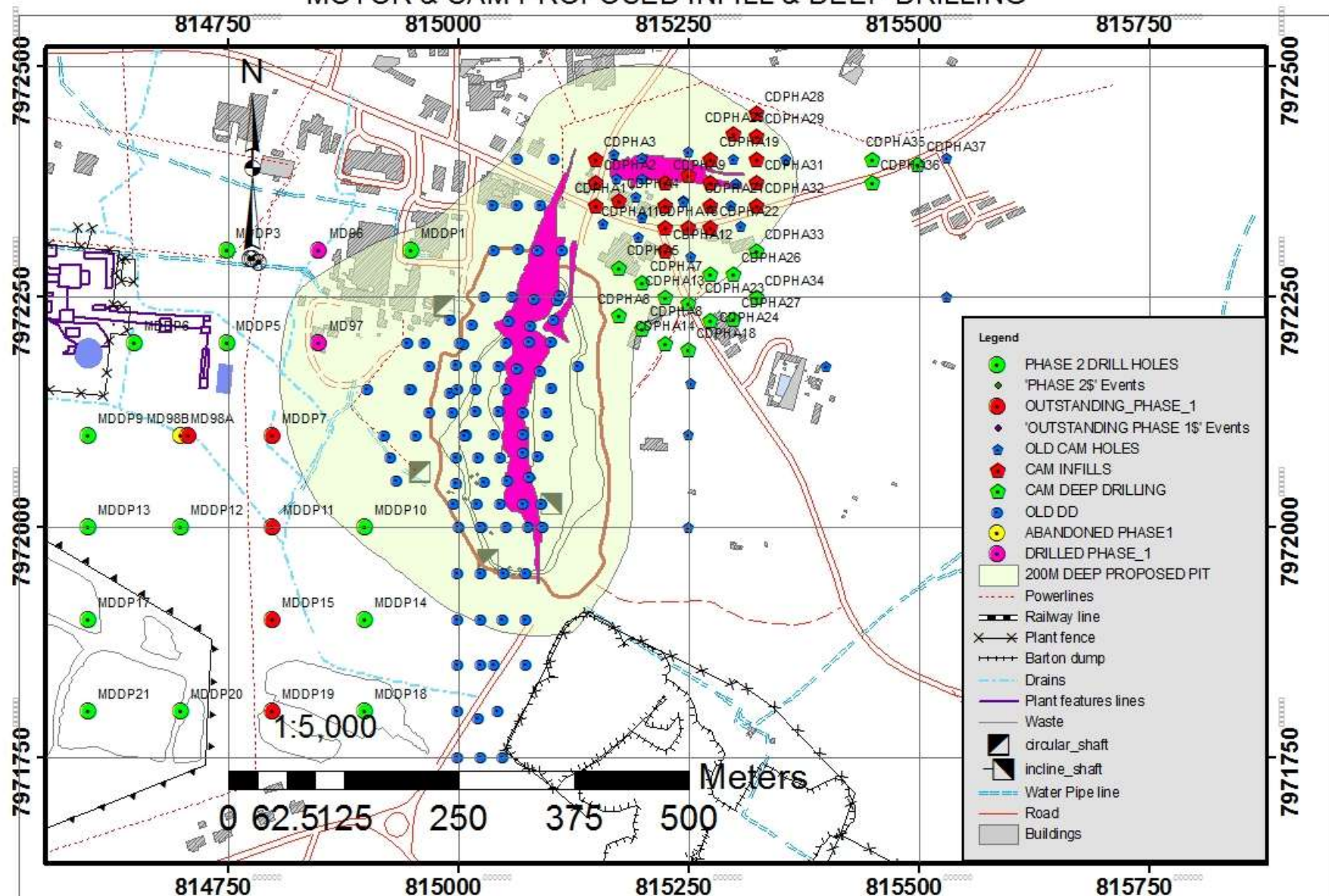


Section	No. of Holes	Meters Drilled
Motor	95	12317.19
Petrol	28	4054.14
Cam	23	3112.87
TOTAL	146	19484.20

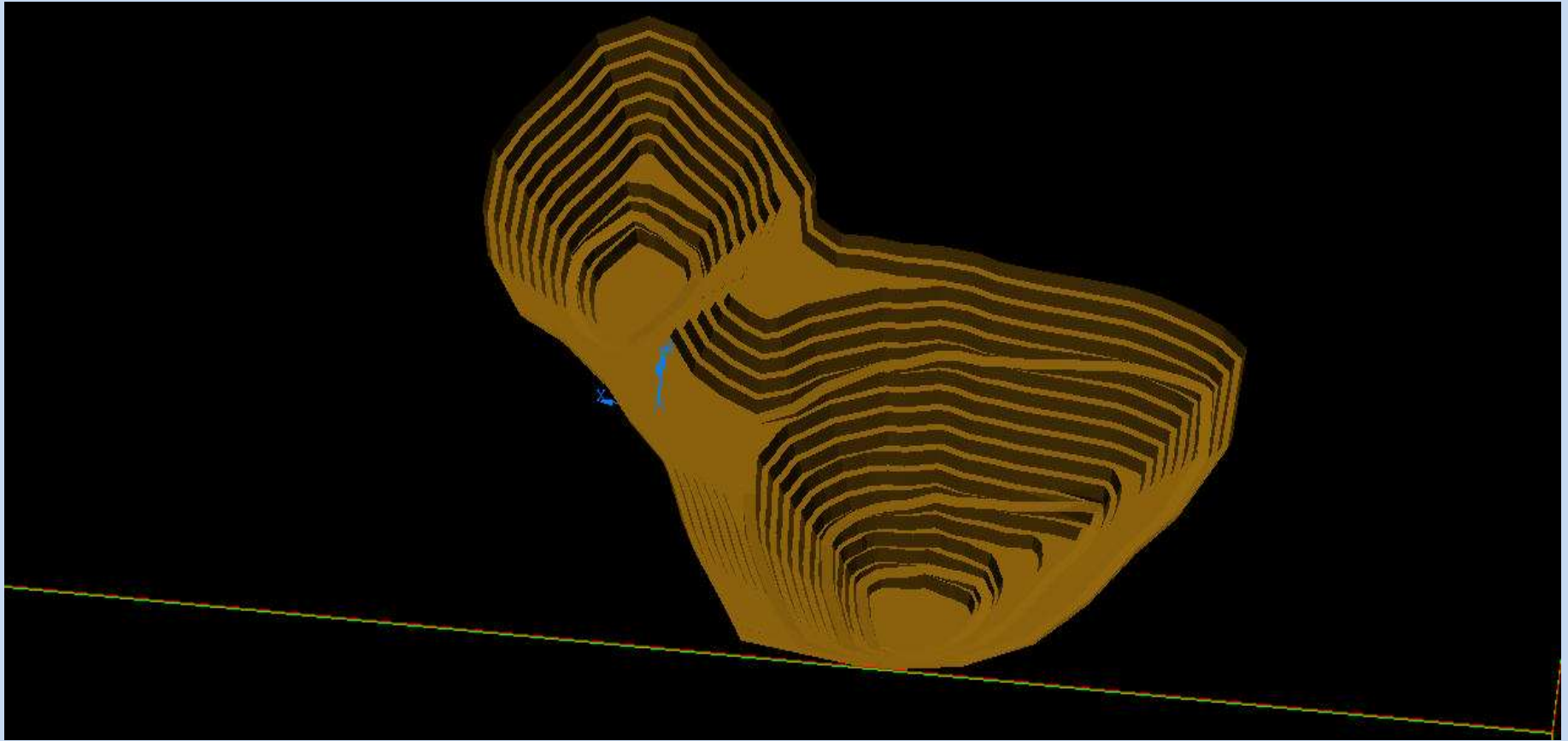


Deep Mine Exploration & Evaluation

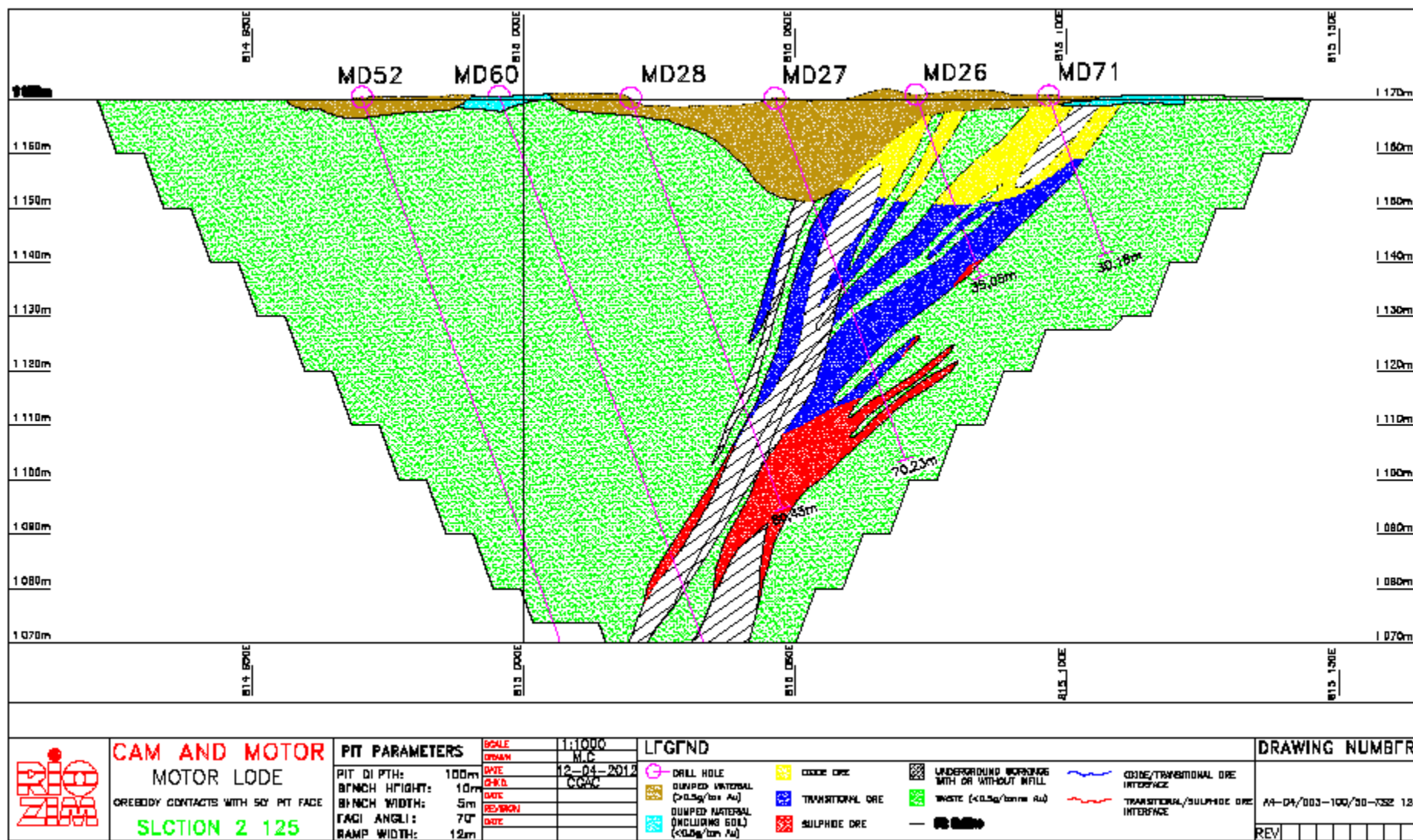
CAM & MOTOR MINE MOTOR & CAM PROPOSED INFILL & DEEP DRILLING



Open Pit Optimisation & Design -200m dip



Motor-Transverse Section(Viewing North)



Mining

- 5 Excavators (45 -60 tonner)
- 16 Dump Trucks (20-40t sizes)
- 3 Front End Loaders
- Backhoe Excavator x 1
- Grader x 1
- Dozer x 1
- Water Bowser x 3
- Blasthole Drillrig

2015 Motor Pit



2017 Motor Pit



Processing Plant Equipment

Phase 1 Main Plant Installation

- 1) Plant Supplied by Hongxing from China.
- 2) Primary Jaw Crusher with a capacity to crush 300tph.
- 3) One secondary crusher with a capacity of 260tph and one tertiary cone crusher with a capacity of 168tph in closed circuit with a 12mm screen.
- 4) Two Ball Mills (12x 15 feet) with a capacity to mill 1250tpd each
- 5) Thickener with a capacity to hold 1550tpd.
- 6) 10 CIL tanks with volumetric capacity of 342cubic metres each.
- 7) 3t elution plant with an elution cycle of 18 hours.

Phase 2

Flotation Plant Installation- Construction has started . Expected to be completed in fourth quarter 2017.

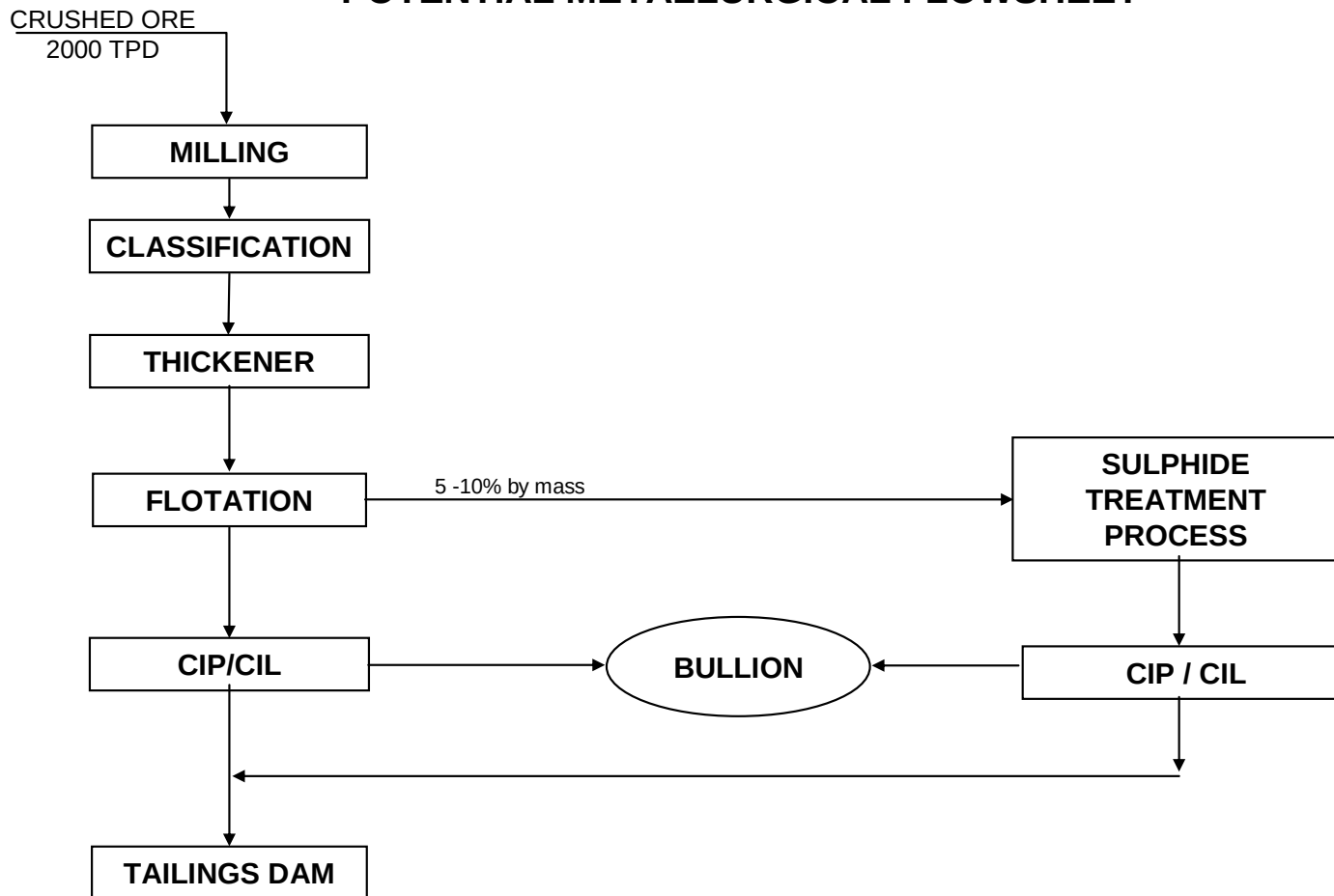
Phase 3

Concentrate plant processing. Construction and commissioning expected to be done in 2018. Various processing options being considered (roasting, bioleach & pressure leach).

Cam and Motor Metallurgical Flowsheet



CAM AND MOTOR MINE PROJECT POTENTIAL METALLURGICAL FLOWSHEET





Thank you