



**Kalamazoo  
Resources Ltd**  
ACN: 150 026 850  
ASX: KZR

**Head Office**  
Unit 3  
328 Reserve Road  
Cheltenham 3192  
Victoria

Suite 7  
8 Clive Street  
West Perth 6005  
Western Australia

**Phone** 1300 782 988

**Fax** +61 8 9481 8488

admin@kzr.com.au

**kzr.com.au**

## ASX Announcement

3 June 2020

# ADVANCED GEOCHEMICAL SOIL SAMPLING AND GEOPHYSICAL PROGRAMS COMPLETED AT THE SISTERS GOLD PROJECT IN THE PILBARA

## Highlights

- Kalamazoo has completed an extensive surface geochemical program and aeromagnetic/radiometric surveys at The Sisters Gold Project located on the Wohler Shear, in the Pilbara
- Results from these programs will determine the scope and location of potential drill targets
- The Wohler Shear is a highly prospective splay along strike from the complex that hosts much of De Grey Mining's (ASX: DEG) Mallina Gold Project and its recent world class gold discovery at Hemi
- The geochemical soil sampling program is part of Kalamazoo's extensive collaboration with the CSIRO soil research initiative using cutting edge Ultrafine+™ analysis and interpretation

Kalamazoo Resources Limited (ASX: KZR) ("Kalamazoo" or "the Company") is pleased to advise that it has completed a project wide soil geochemical survey at The Sisters Gold Project ("The Sisters"), located in the Pilbara region of WA. The geochemical survey at The Sisters is the first large scale gold focussed exploration program undertaken in this area and has targeted the Wohler Shear Zone over a 14km long structural corridor. Reflecting the highly prospective nature of The Sisters project, detailed aeromagnetic and radiometric surveys have also now been flown over the area, with data interpretations expected within weeks.

**Kalamazoo Chairman and CEO Mr Luke Reinehr said today.** *"The Sisters Gold Project has always been rated very highly by us and this has been further reinforced by De Grey's spectacular world class gold discovery along strike at Hemi.*

*We have been systematically increasing our knowledge of the area and utilising innovative technologies to assist us in identifying potential drill targets. The geochemical soil sampling and aerial surveys will now play an important part in our search for a gold discovery at The Sisters."*

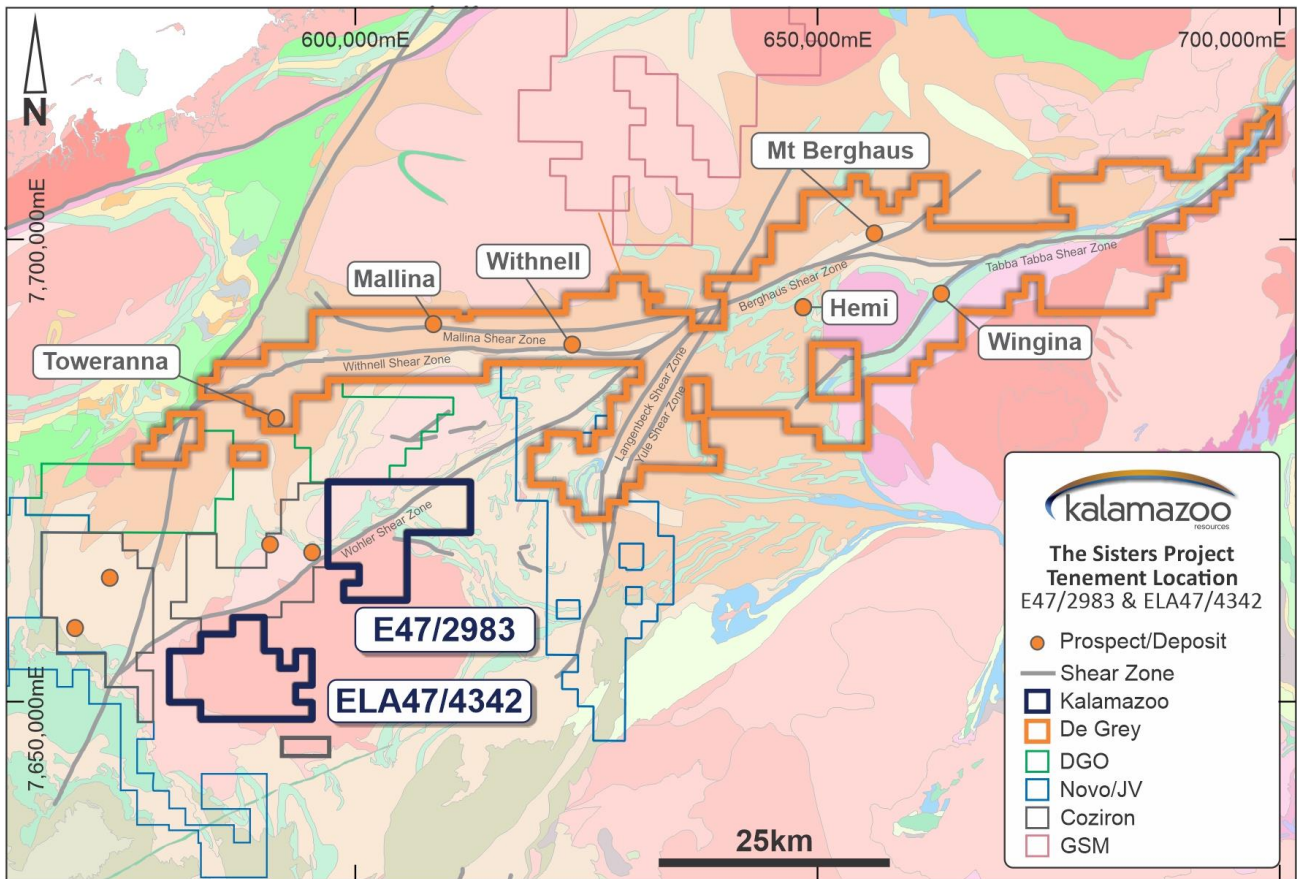


Figure 1: Regional location of The Sisters Gold Project

## Geochemistry

The Sisters tenement E47/2983 covers 136km<sup>2</sup> and is considered prospective for both epigenetic gold mineralisation associated with the Wohler Shear Zone, as well as potential mineralised intrusions as newly identified at the Hemi discovery located 50km to the north east (Figure 1). This shear zone is a prospective splay from the Tabba Tabba, Mallina, Withnell and Berghaus Shear Zone complex that hosts much of De Grey's Pilbara gold resource, including the major Hemi gold deposit.

Previous work by Kalamazoo at The Sisters defined a gold soil anomaly over 3km long with a maximum 80ppb Au<sup>1</sup> across the major Wohler Shear Zone corridor that was open to the north east and south west, and also located two gold nuggets south west along strike from the gold soil anomaly<sup>2</sup>.

The recently completed soil program covered the interpreted extent of the Wohler Shear Zone corridor over 14km of strike at 200m x 100m spacing for 2,300 samples (Figure 2). Samples were collected in a highly efficient manner by Perth based contractor XM Logistics. UltraFine+™ multi-element analysis for major and trace elements is now in process at LabWest (Perth). Apart from internal assessment of the results, CSIRO will complete multi-element "machine learning" and other analyses, in tandem with similar research work on Kalamazoo's Castlemaine and South Muckleford Gold Projects in Victoria. Completed laboratory results from this program are expected by late June 2020.

<sup>1</sup> ASX: KZR 23 November 2019

<sup>2</sup> ASX: KZR 2 April 2020

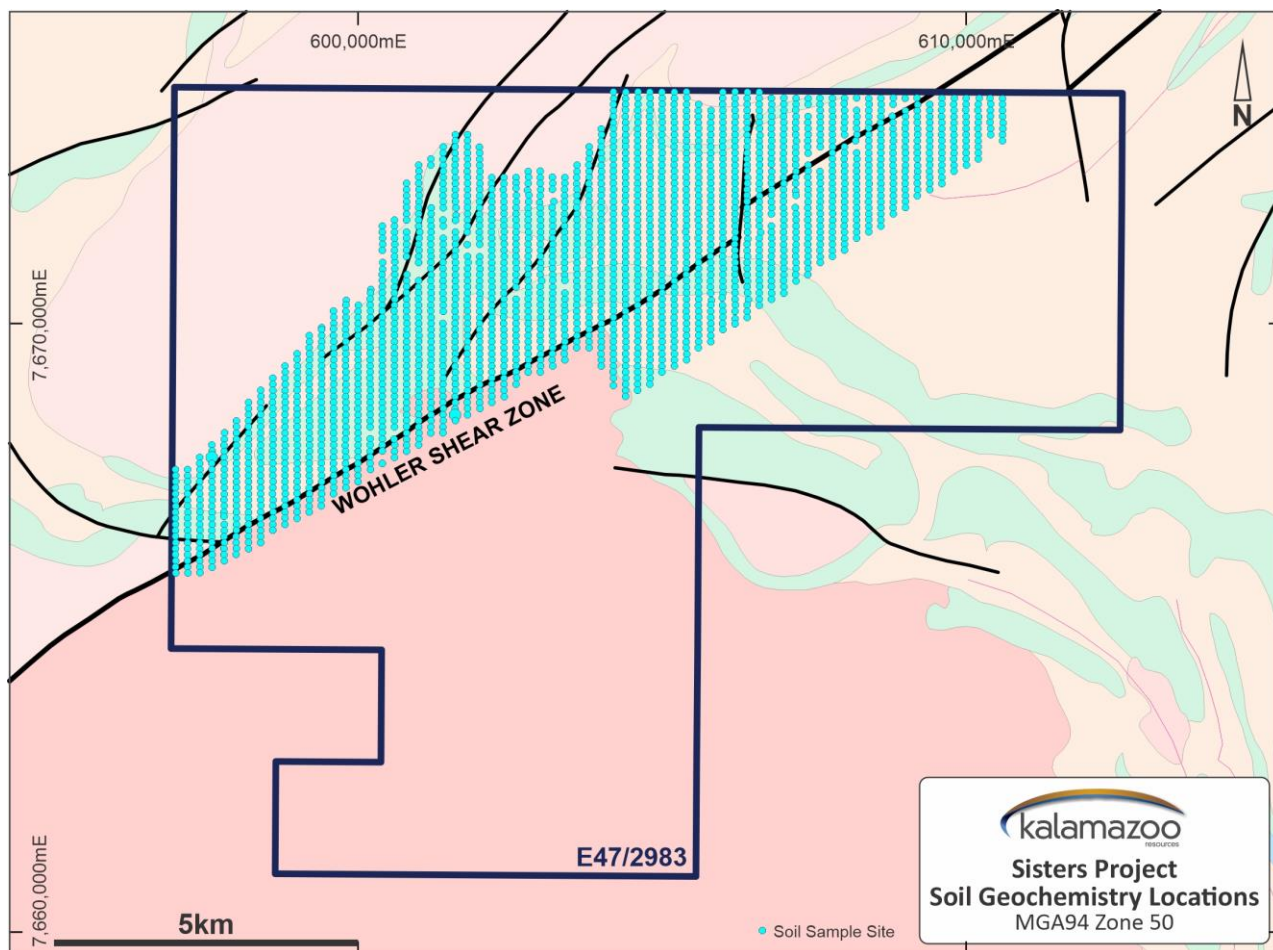


Figure 2: The Sisters soil geochemistry locations

## Geophysics

Kalamazoo has also completed detailed low level aeromagnetic and radiometric surveys at The Sisters, including across all the area recently subject to the geochemical soil sampling program for UltraFine+™ multi-element analysis. Kalamazoo contracted Perth based MagSpec Airborne Surveys to fly the surveys at The Sisters (E47/2983), taking advantage of MagSpec's presence in the region to minimise mobilisation costs. The survey was flown to adjoin a 2017 ultra-detailed survey completed by Sayona Mining Ltd (ASX: SYA) using the same 25m spaced east-west line configuration (Figure 3). The new survey comprised 2,774 line kms. Data from the two surveys at The Sisters will be merged prior to detailed interpretation.

Subject to the results from the soil geochemical program and interpretation of the aeromagnetic data at The Sisters, Kalamazoo will consider utilising sub-audio magnetic surveys ("SAM") over defined target areas for detailed structural analysis.

It is of note that De Grey has also utilised the CSIRO Ultrafine+™ and SAM geophysical surveys at its nearby Mallina Gold Project to explore through sand cover and to better define controlling gold structures and provide improved targeting for drilling campaigns<sup>3</sup>.

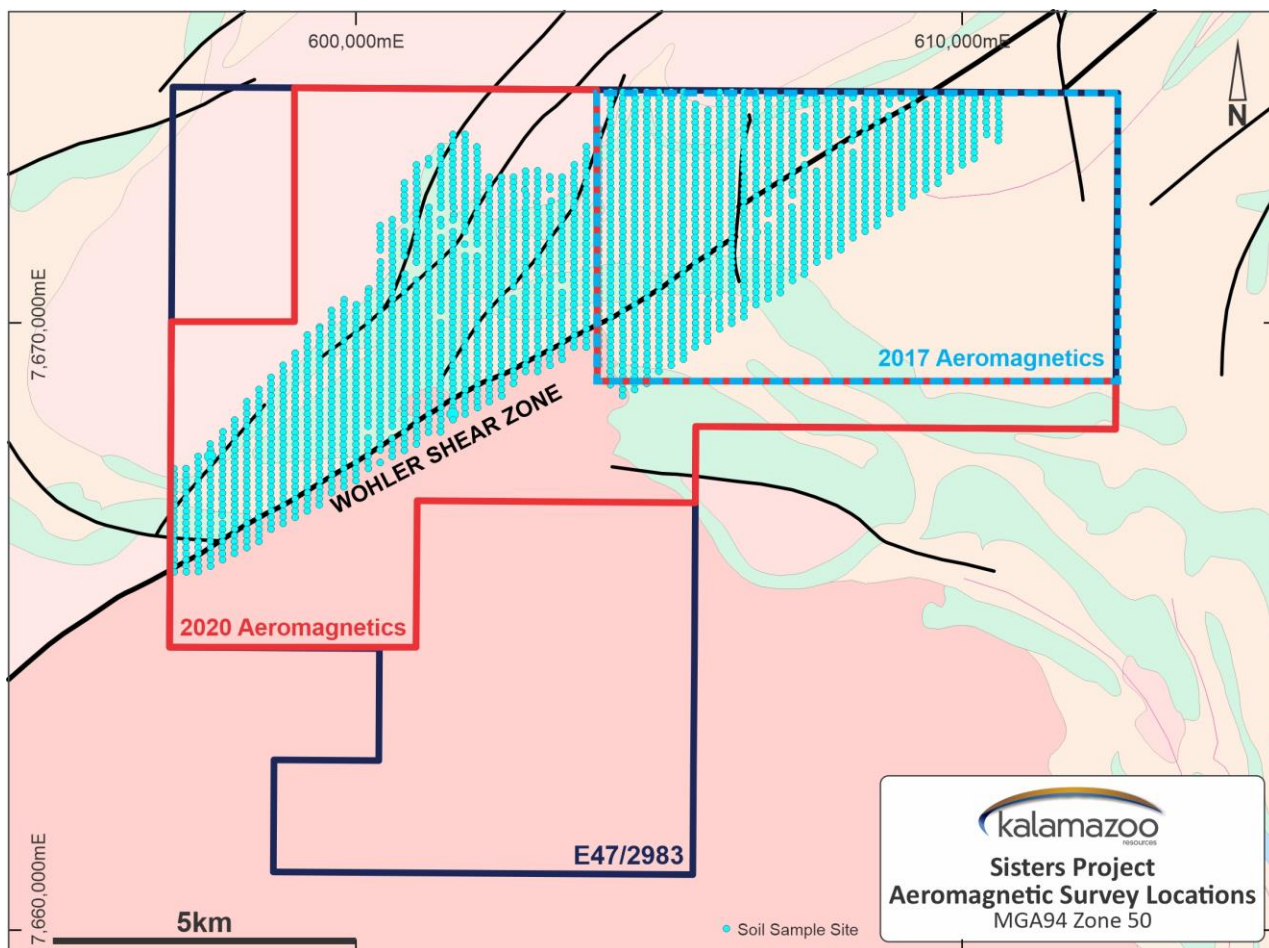


Figure 3. The Sisters aeromagnetic surveys location

**For further information, please contact:**

Luke Reinehr  
 Chairman / CEO  
[luke.reinehr@kzr.com.au](mailto:luke.reinehr@kzr.com.au)

Victoria Humphries  
 Investor Relations – NWR Communications  
[victoria@nwrcommunications.com.au](mailto:victoria@nwrcommunications.com.au)

**Competent Persons Statement**

The information in this release relating to the exploration data for all Western Australian projects is based on information compiled by Mr Lance Govey, a competent person who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Govey is an employee of BinEx Consulting who is engaged as the Exploration Manager WA for the Company. Mr Govey 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 Govey consents to the inclusion in this document of the matters based on his information in the form and context in which it appears.

**Response to COVID-19**

Kalamazoo has been proactively managing the potential impact of COVID-19 and has developed systems and policies to ensure the health and safety of its employees and contractors, and of limiting risk to its operations. These systems and policies have been developed in line with the formal guidance of State and Federal health authorities and with the assistance of its contractors and will be updated should the formal guidance change. Kalamazoo's first and foremost priority is the health and wellbeing of its employees and contractors.

To ensure the health and wellbeing of its employees and contractors, Kalamazoo has implemented a range of measures to minimise the risk of infection and rate of transmission to COVID-19 whilst continuing to operate. All operations and activities have been minimised only to what is deemed essential. Implemented measures include employees and contractors completing a COVID-19 risk declaration, increased hygiene practices, the banning of non-essential travel for the foreseeable future, establishing strong infection control systems and protocols across the business and facilitating remote working arrangements, where practicable and requested. Kalamazoo will continue to monitor the formal requirements and guidance of State and Federal health authorities and act accordingly.