



**EARTHCON RESOURCES**

## **MOZAMBIQUE GOLD PROJECTS**

- Earthcon Resources II – 5,403.51 Hectares in Tete.**
- Earthcon Resources V – 3,965.93 Hectares in Cabo Delgado.**
- Earthcon Resources IX – 4,255.10 Hectares in Tete.**
- Earthcon Resources X – 18,394.75 Hectares in Nampula.**

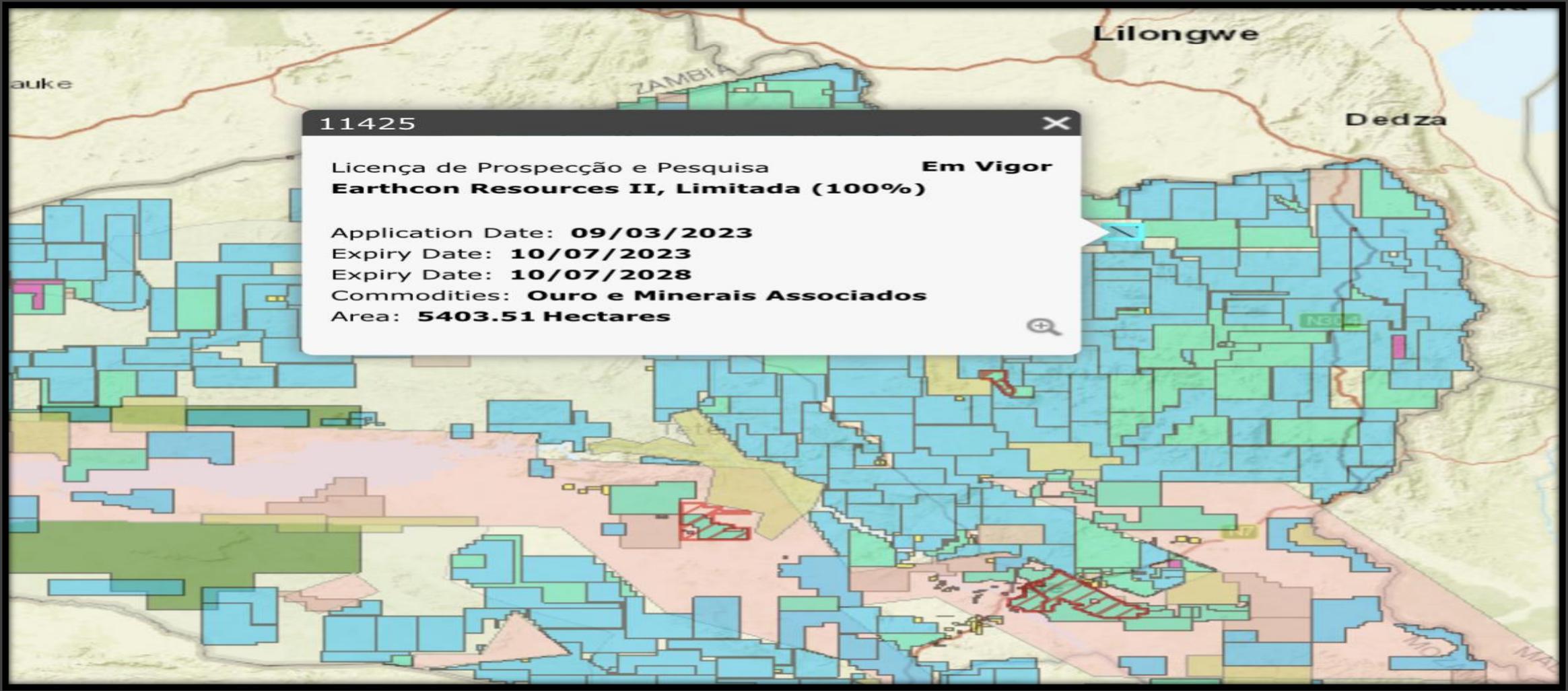
# MOZAMBIQUE GOLD PROJECTS

<b>COMPANY NAME</b>	<b>EARTHCON RESOURCES II</b>	<b>EARTHCON RESOURCES V</b>
LICENCE	11425 L	11473 L
EXPIRY DATE	<b>10/07/2028</b>	<b>05/05/2030</b>
AREA (HA)	5,403.51	3,965.93
PROVINCE	<b>TETE</b>	<b>CABO DELGADO</b>

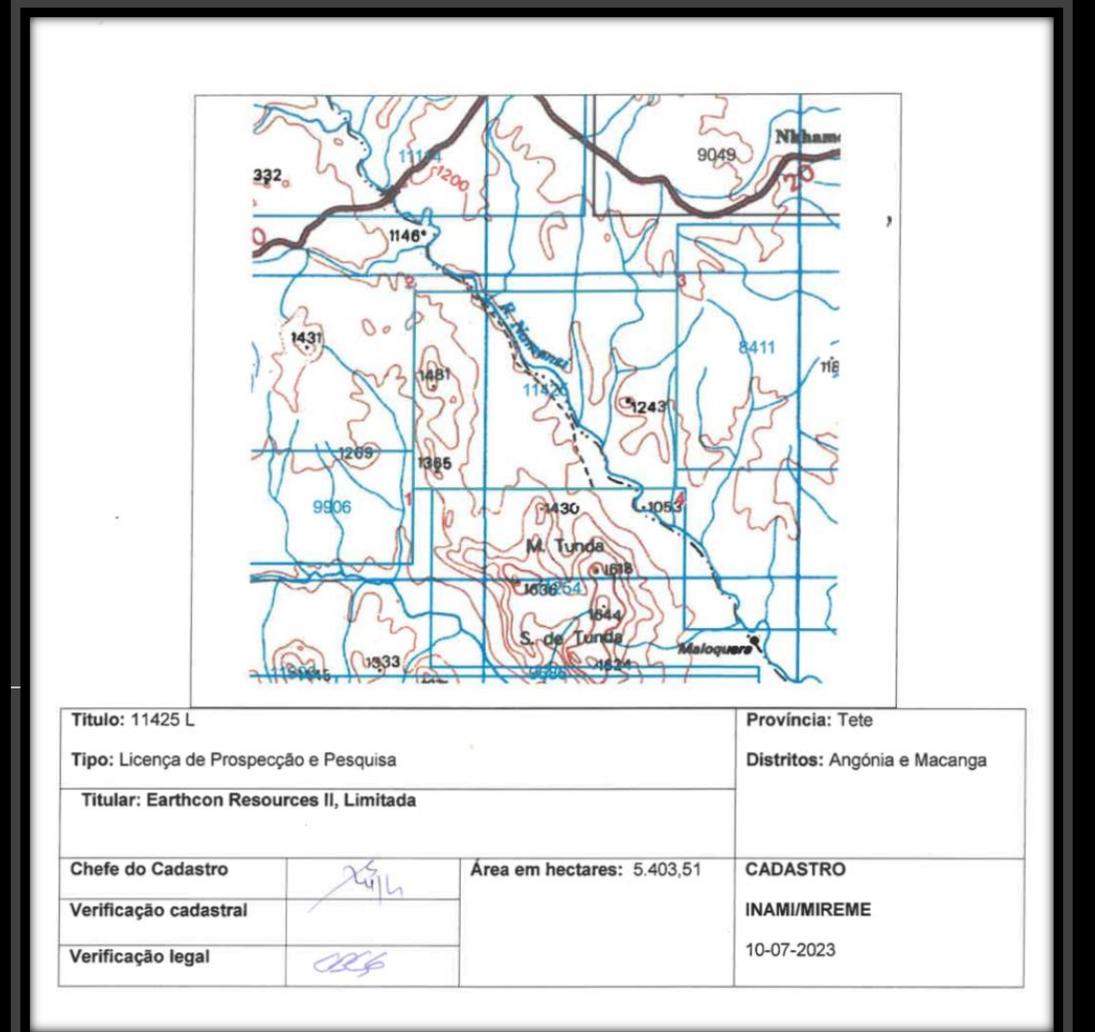
# MOZAMBIQUE GOLD PROJECTS

<b>COMPANY NAME</b>	<b>EARTHCON RESOURCES IX</b>	<b>EARTHCON RESOURCES X</b>
LICENCE	11580 L	11719 L
EXPIRY DATE	<b>29/04/2030</b>	<b>29/04/2030</b>
AREA (HA)	4,255.10	18,394.75
PROVINCE	<b>TETE</b>	<b>NAMPULA</b>

# EARTHCON RESOURCES II – GOLD



# EARTHCON RESOURCES II – GOLD PROSPECTING LICENCE

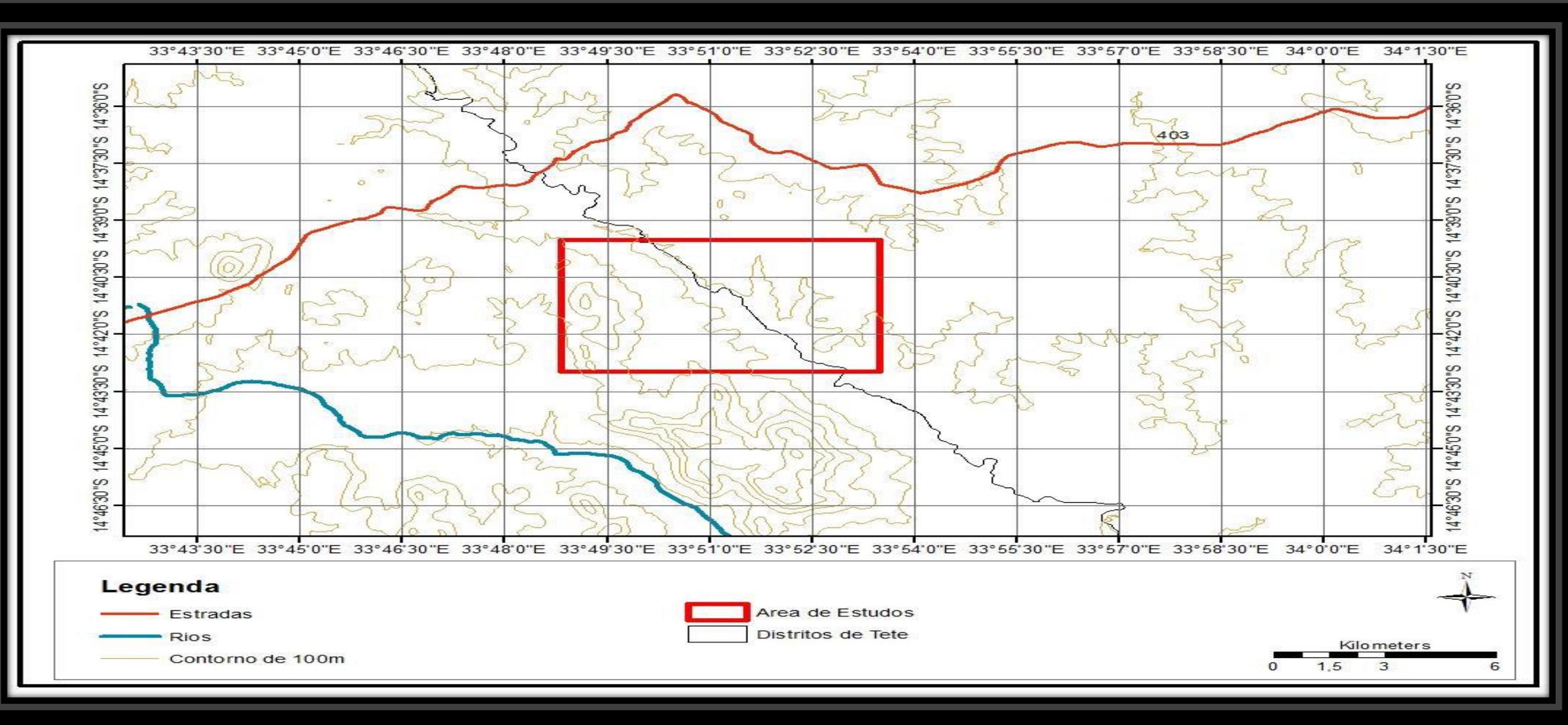


## EARTHCON RESOURCES II – GOLD

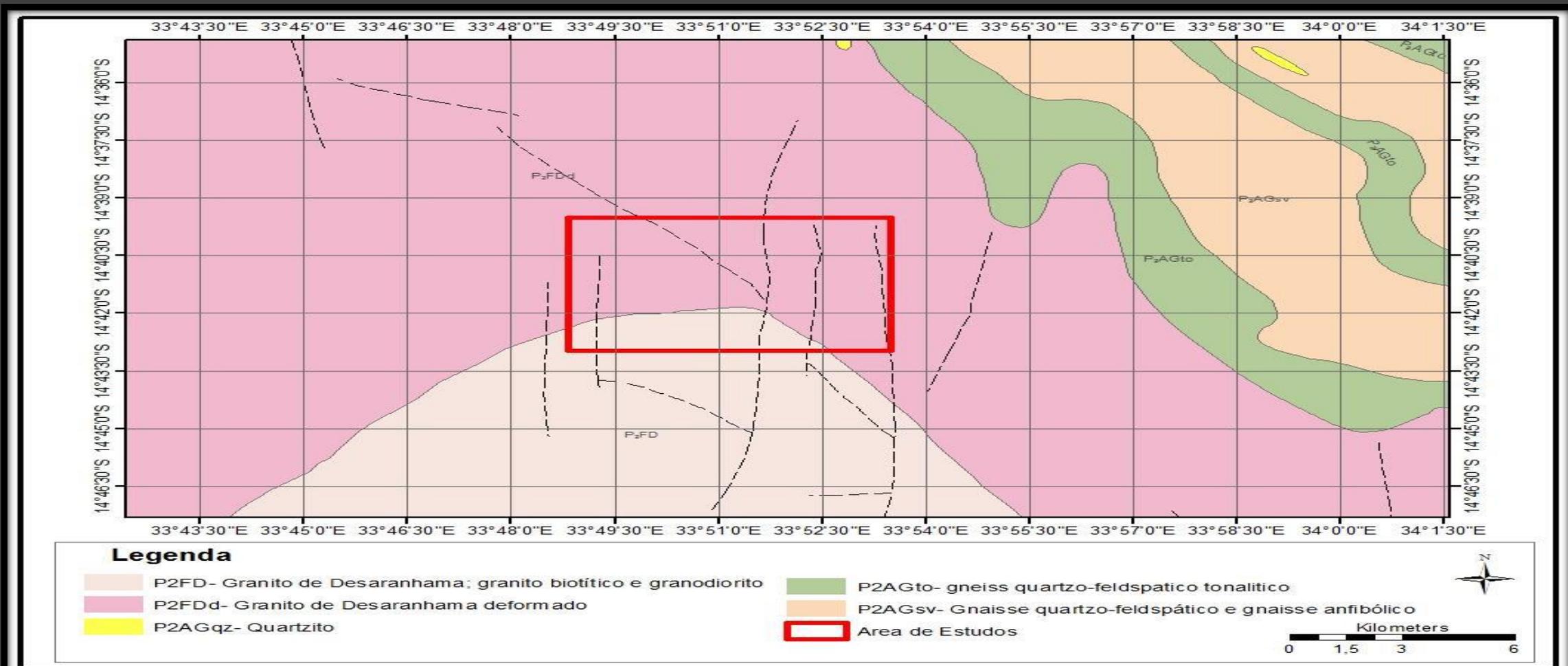
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- ❖ Earthcon Resources II Lda was granted Gold Prospecting Right 11425L on 10<sup>th</sup> July 2023 valid till 10<sup>th</sup> July 2028.
- ❖ The License is located at Angonia District which is 300 km from Tete.
- ❖ The License has enough water source through Namazi River which passes the south of the license area.
- ❖ The License area has access to electricity supply at Nkaika Village which is 6 km from the license area.

# EARTHCON RESOURCES II – GOLD



# EARTHCON RESOURCES II – GOLD



# EARTHCON RESOURCES II – GOLD

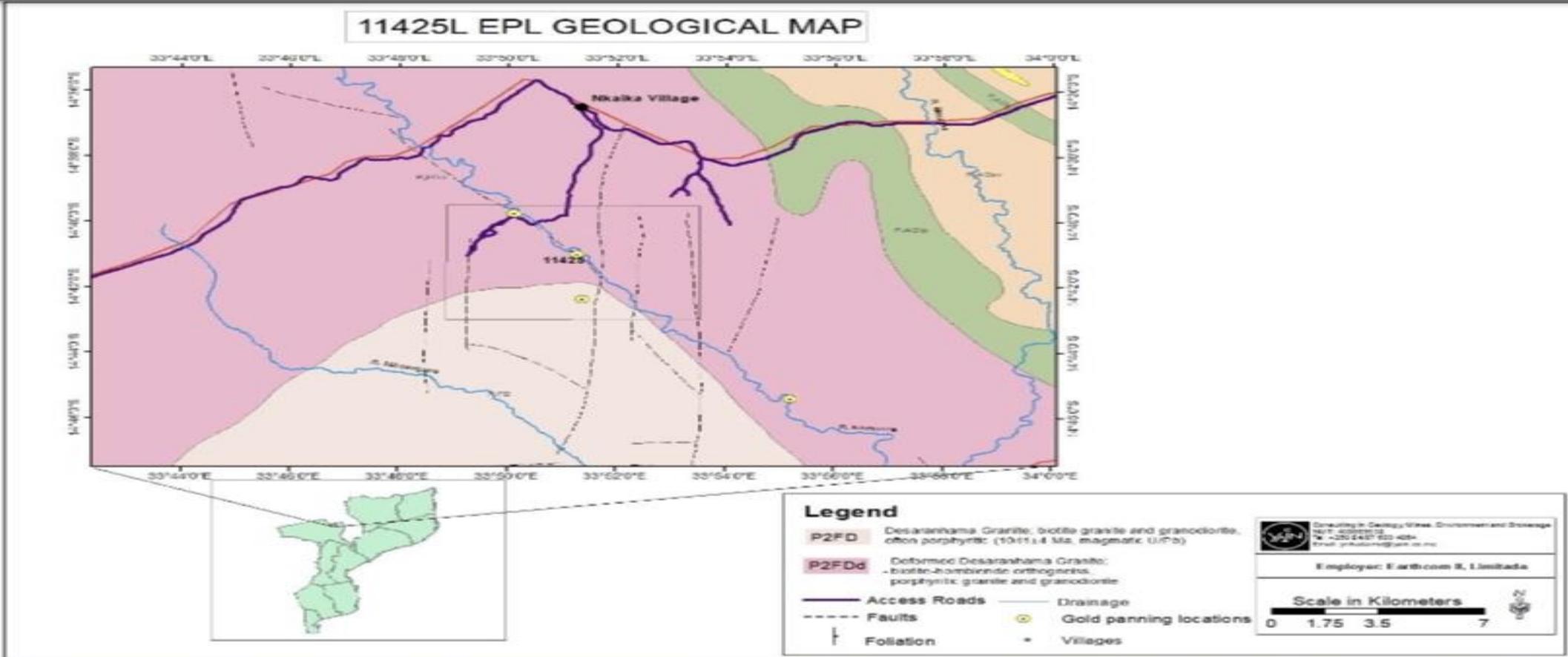
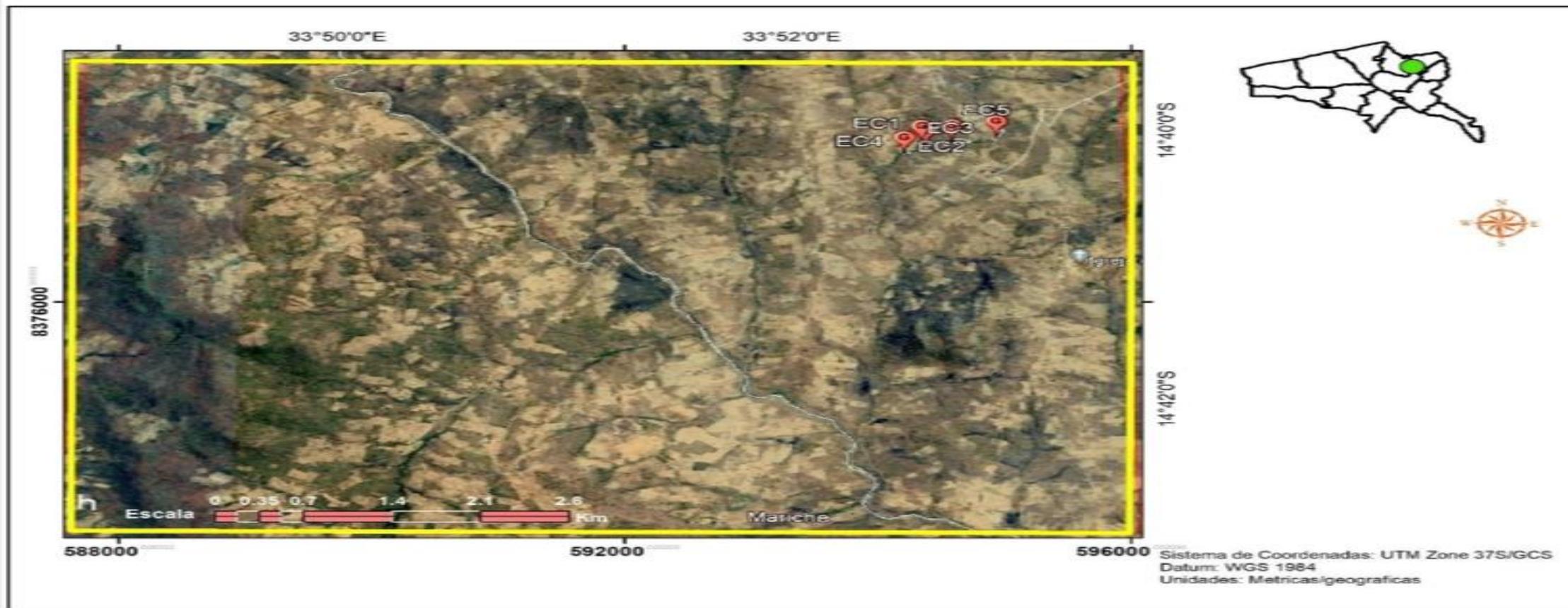


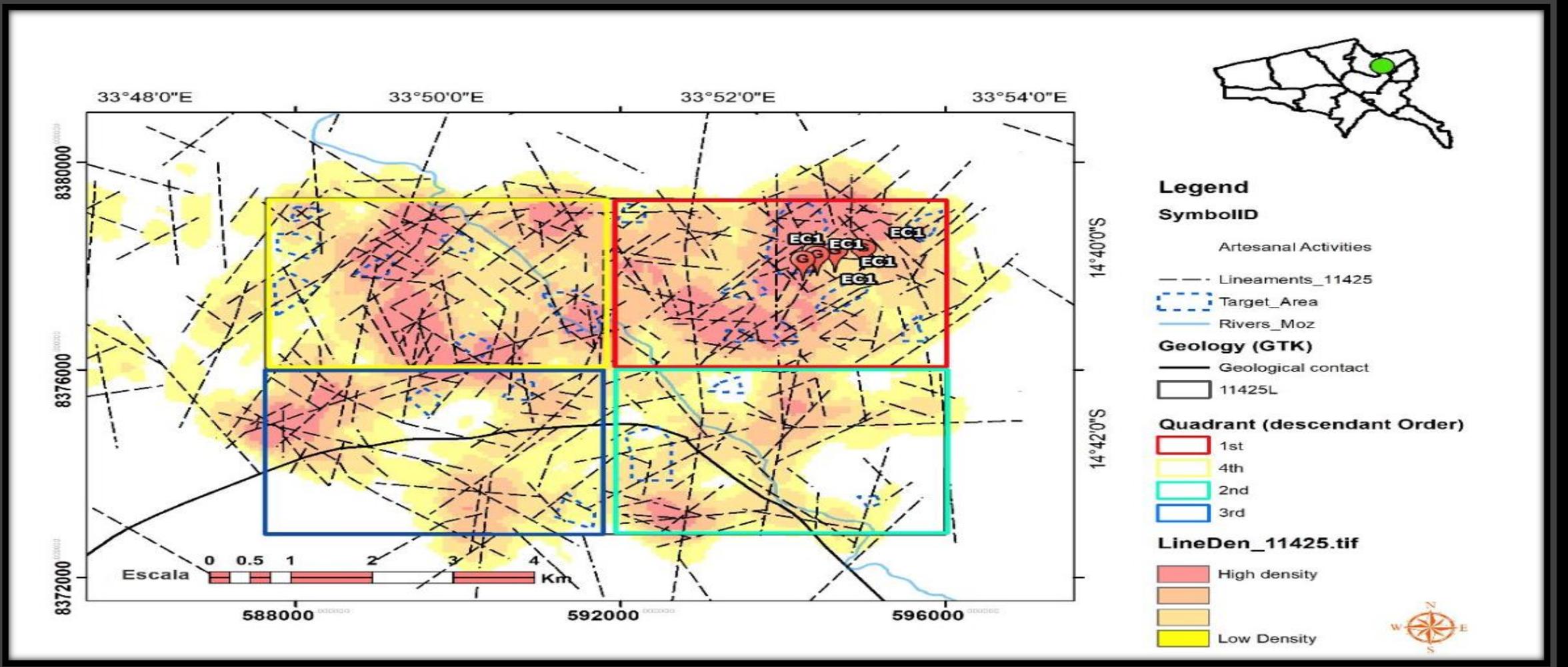
Figure 12: Geological map of the License 11425L illustrating the location of the illegal artisanal gold mining activity. Map adapted after GTK Consortium 2006, scale 1:250 000.

# EARTHCON RESOURCES II – GOLD



*Fig. 19. Area with local miners activities (Gold extraction)*

# EARTHCON RESOURCES II – GOLD



# EARTHCON RESOURCES II – GOLD SITE VISIT



Figure 3: Illustrative images of the typical foliated Desaranhama granites with concordant quartz veins (Image A)). On the Image B) it is illustrated the NW-SE thrusting plane. The image C) illustrates the typical mineralogy of the foliated granites mainly consisting of quartz and feldspar with subordinate disseminated mafic minerals. Photos taken at WGS

# EARTHCON RESOURCES II – GOLD SITE VISIT



A)



B)



C)

Figure 4: The images A) and B) illustrate a N-S striking quartz vein cross cutting the foliation of the foliated Desaranhama granite at the stream of the Namazi River (Photo taken at WGS 84 Zone 36L UTM 590271/8378557). The image C) illustrate the typical N-S jointing on the foliated Desaranhama granites (Photo taken at WGS 84 Zone 36L UTM 598895/8368429).

## EARTHCON RESOURCES II – GOLD SITE VISIT



*Figure 5: Illustrative image of the typical milky quartz veins cropping out on the western side of the license area (Photo taken at WGS 84 Zone 36L UTM 588806/8377628).*

## EARTHCON RESOURCES II – GOLD / ARTISNAL MINING



*Figure 8: Illustrative images of the northern illegal gold mining activity in the western Namazi River bank (Photo taken at WGS 84 Zone 36L UTM 589934/8378840).*

## EARTHCON RESOURCES II – GOLD SITE VISIT / ARTISANAL MINING



*Figure 9: Illustrative images of the southern illegal gold mining activity within the stream of the Namazi River. The Figure B) illustrates the recovered gold from the panned sample. Photo taken at WGS 84 Zone 36L UTM*

## EARTHCON RESOURCES II – GOLD ARTISANAL MINING



*Figure 10: Illustrative image of the panning of the sample collected at WGS 84 Zone 36L UTM 589098/8377967. The image A) illustrates the recovered Gold from the panned sample.*

# EARTHCON RESOURCES II – GOLD ARTISANAL MINING



# EARTHCON RESOURCES II – GOLD



*Figure 11: Illustrative images of the cropping out quartz veins within the northern wall of the gulch where the locals claim to extract gold during the raining season. Photo taken at WGS 84 Zone 36L UTM 592281/8373985*

## EARTHCON RESOURCES II – GOLD

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- ❖ Earthcon Resources II Lda had appointed Yain Consultant (Yunoos Nhadamo) to conduct pre-study ground reconnaissance on the exploration license area to evaluate the potential of gold occurrence based on desktop study report prepared by Rock and Resources.
- ❖ The data analysed along with remote sensing analysis (desktop studies) shows high potential for gold deposit with economic value. Some of the area within license has illegal miners 'garimpeiros' carrying out artisanal gold mining which is also a good indication of gold deposits.
- ❖ The geological reconnaissance exercise (field report) also confirmed high occurrence of gold within the license area, which includes both primary and secondary deposits of gold.

# EARTHCON RESOURCES V – GOLD

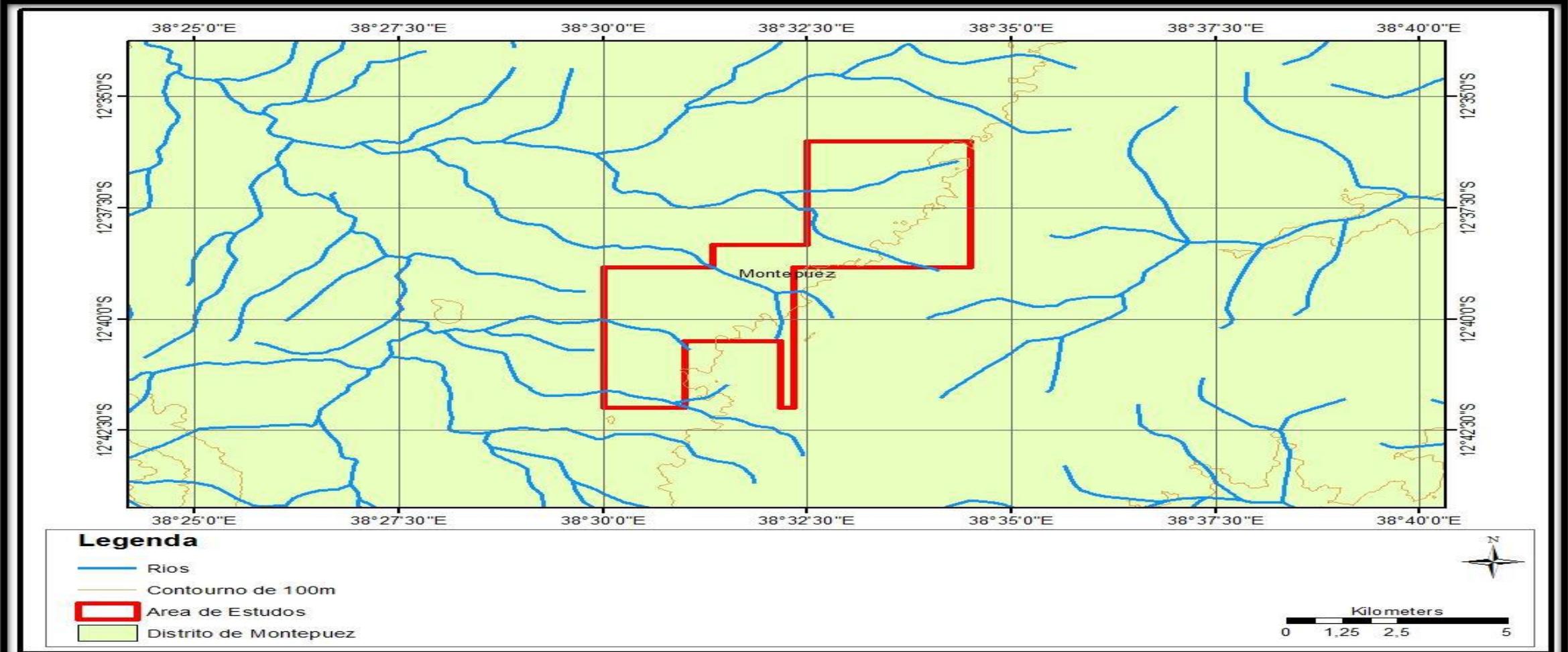


## EARTHCON RESOURCES V – GOLD

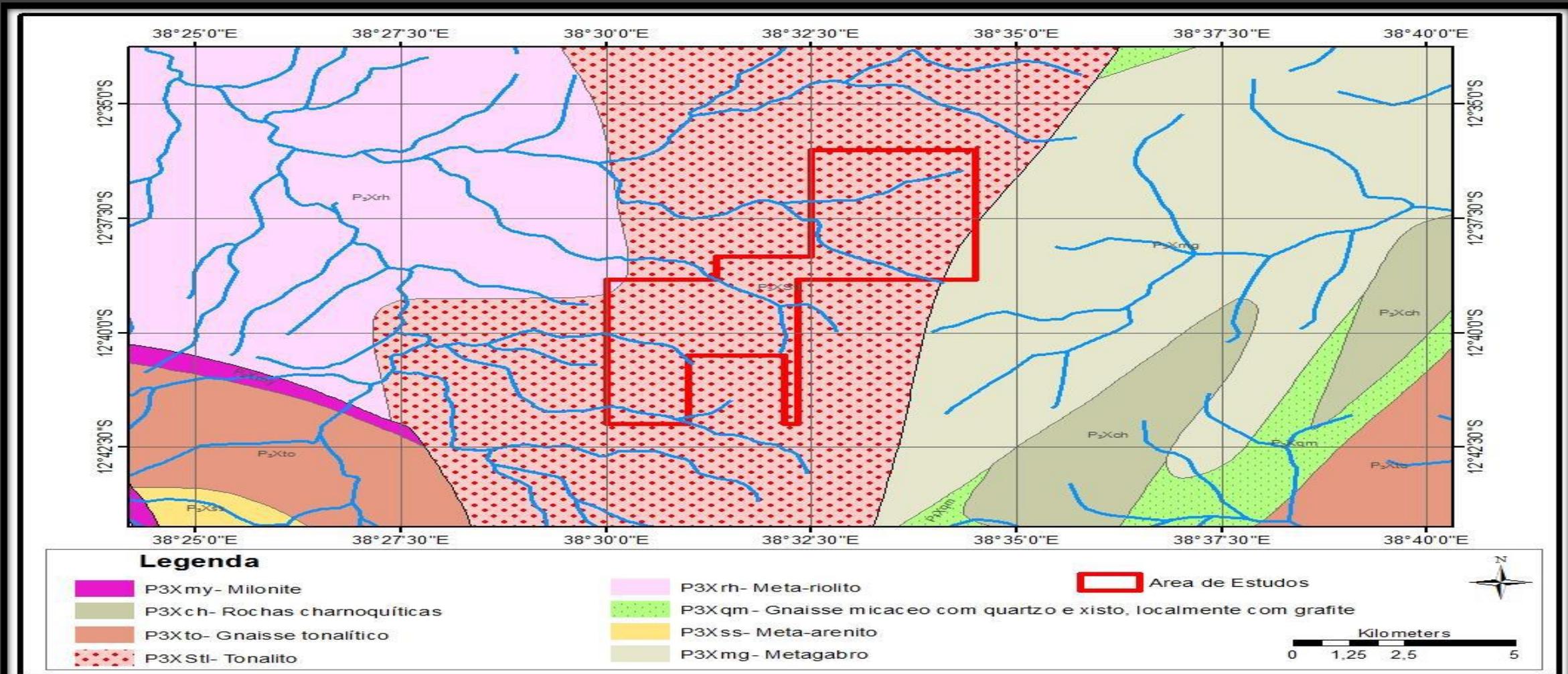
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- ❖ Earthcon Resources V Lda was granted Gold Prospecting Right 11473L on 5<sup>th</sup> May 2025 and is valid till 5<sup>th</sup> May 2030.
- ❖ The License is located 112 km north-west of Montepuez city, which is 220 km by road from Pemba in Cabo Delgado Province.
- ❖ The License is located in the central part of the northeast-southwest gold occurrence alignment, along the western border of the Xixano complex.
- ❖ The License area has access to Messalo river which is 5 km from the license area.

# EARTHCON RESOURCES V – GOLD

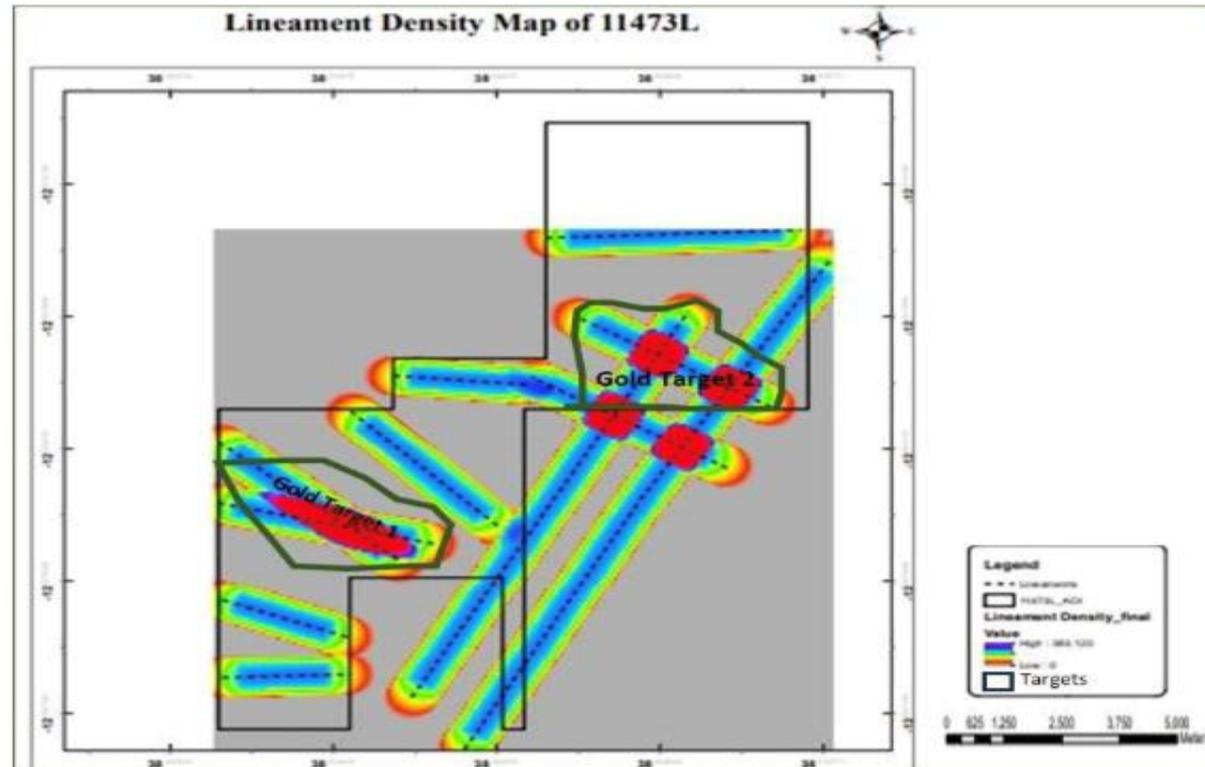


# EARTHCON RESOURCES V – GOLD



# EARTHCON RESOURCES V – GOLD DESKTOP STUDY

## Integrated structures/ Lineament Map and the lineament density of the area covered by the project 11473L



Based on the lineament density map, the study area is dominated by high-density areas. The high-density areas are scattered in the Central and northeastern part of the study area so this 2-zone area research area for the next level of gold Exploration. The presence of lineament in the study area affects the hydrothermal fluid circulation in the study area. These are the targets for the further investigation/ exploration for gold and associated minerals.

**Figure 9:** Integrated DEM and structures/ Lineament Map with the target areas for future gold and associated minerals exploration. Nkoloto, 2023

# EARTHCON RESOURCES V – GOLD DESKTOP REPORT

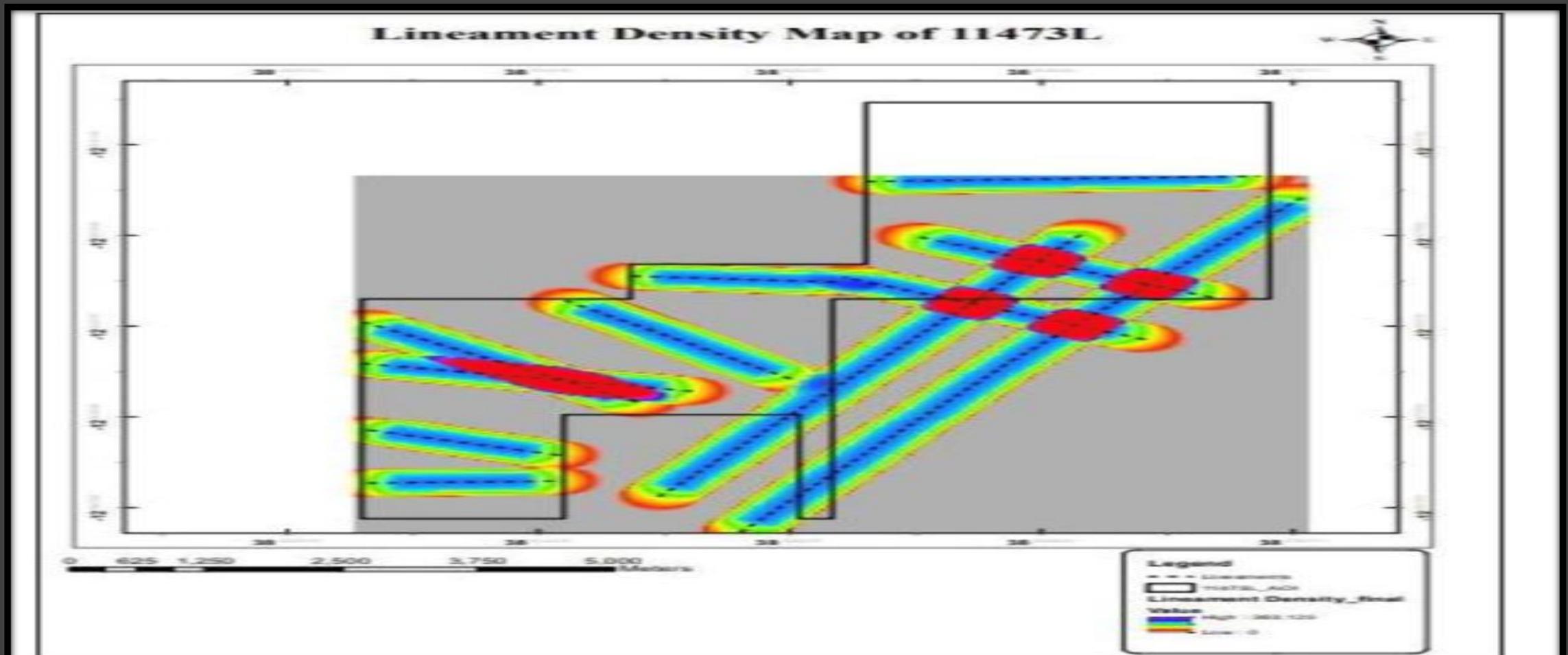
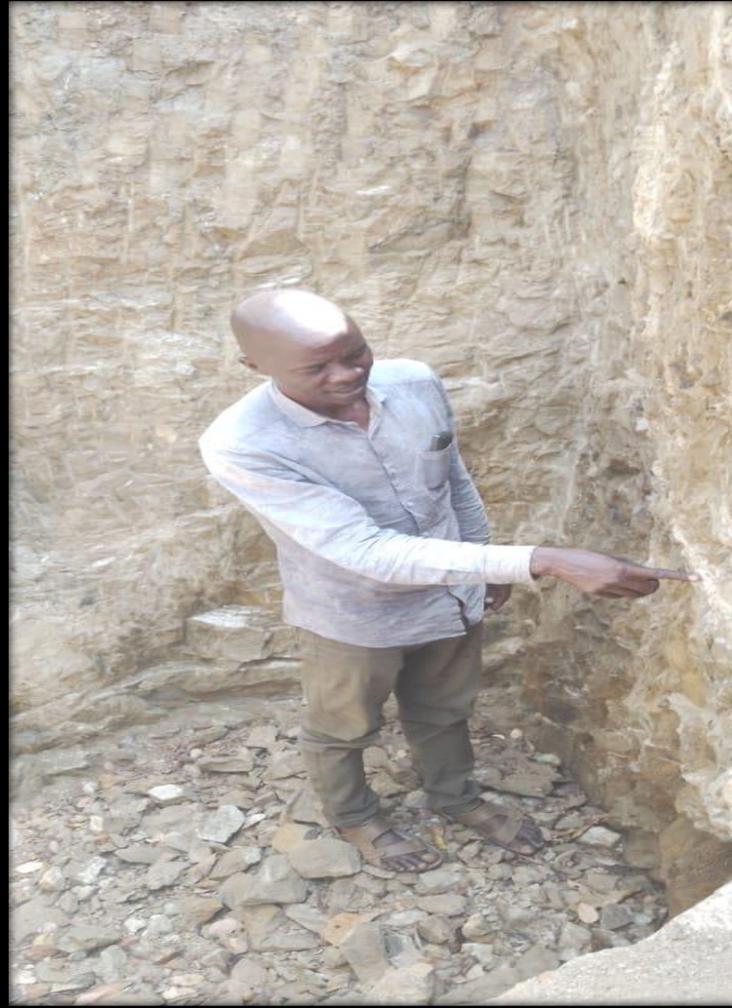
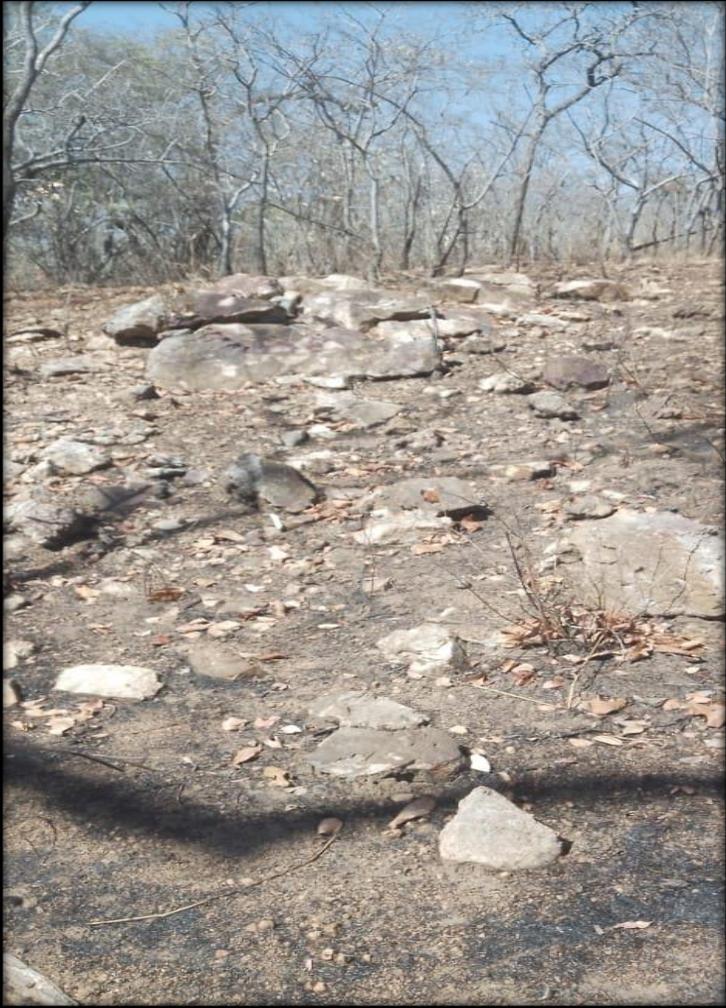


Figure 7: Structures/ Lineament density Map of the area covered by the project. Nkoloto, 2023

# EARTHCON RESOURCES V – GOLD SITE VISIT



# EARTHCON RESOURCES V – GOLD SITE VISIT



# EARTHCON RESOURCES V – GOLD SITE VISIT



# EARTHCON RESOURCES V – GOLD SITE VISIT

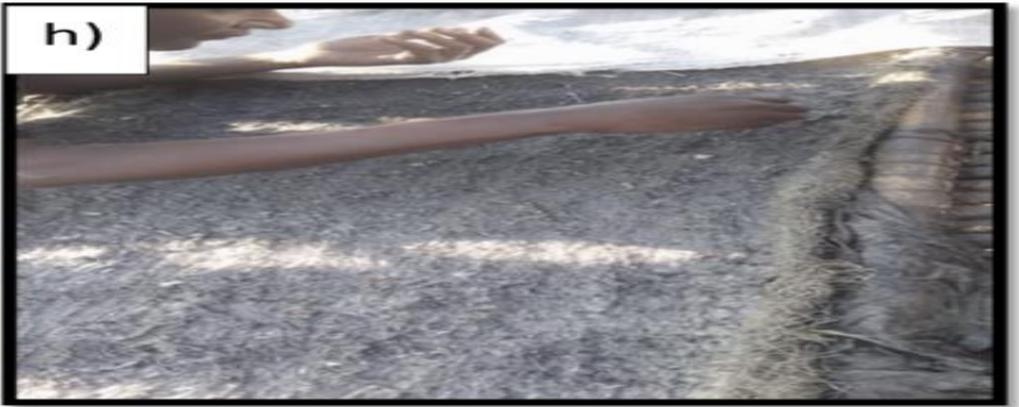


Figure 7. Primary Gold extraction process; **a)** Well ; **b)** rock samples from de well; **c)**Manual crushing process; **d)** crushed material to mill; **e)** Visible gold in some crushed rocks; **f)**Ball mill; **g)**Milling process; **h)** Washing of milled material; **i)** Gold concentrate

# EARTHCON RESOURCES V – GOLD SITE VISIT



Figure 11. Points D & G, a) Tonalitic rocks; b) Oxidised quartz-feldspatic rubble; c) Gossans (Sulphide alteration rock); Quartzite rubble.

# EARTHCON RESOURCES V – GOLD SITE VISIT

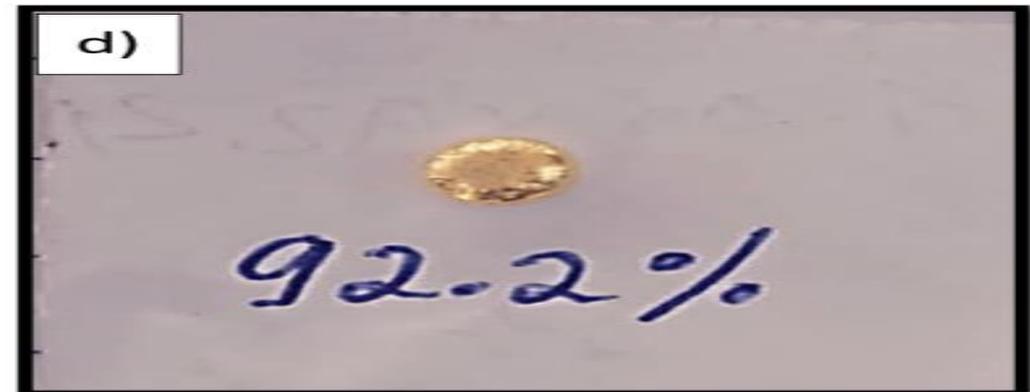


Figure 6. New excavated; a) Pit Footprinter; b) Gravel washing process; c) Fine gold; d) Gold concentrate

# EARTHCON RESOURCES V – GOLD

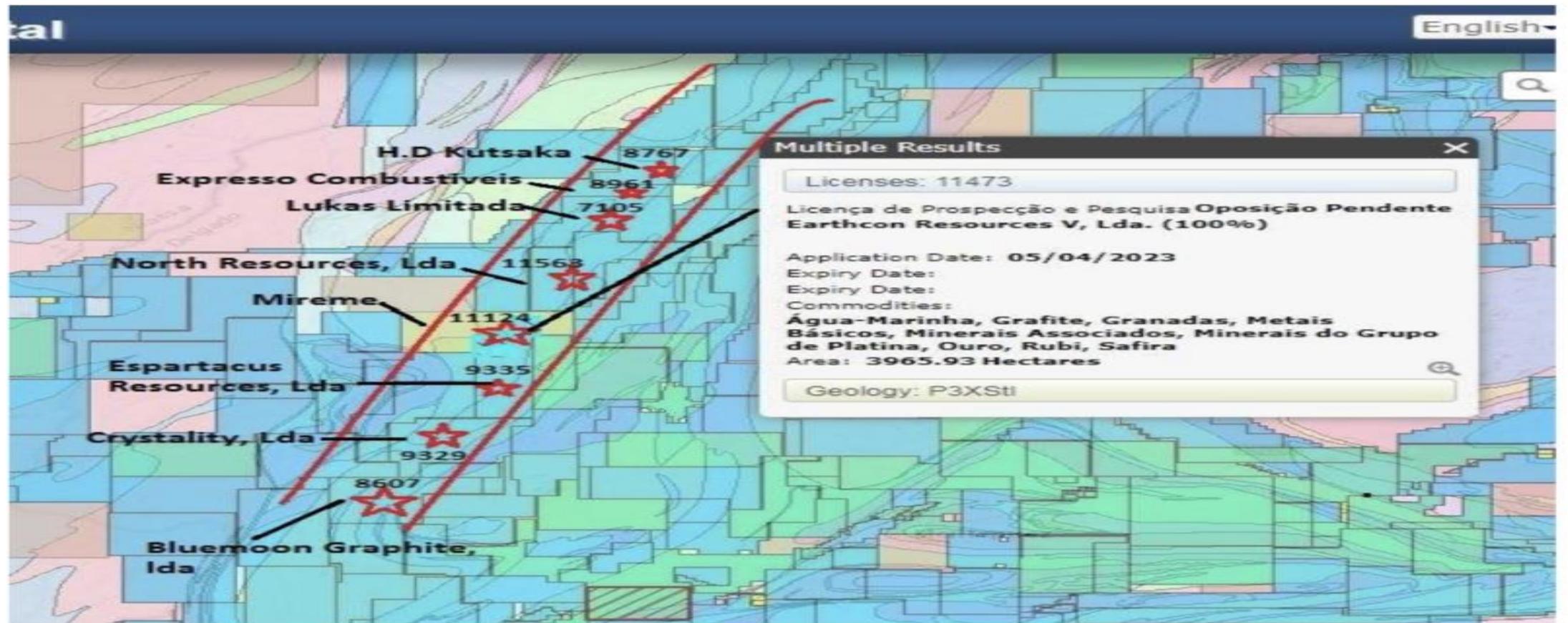


Figure 15. Earthcon V project framework and Gold mineralization

# EARTHCON RESOURCES V – GOLD (PRIMARY DEPOSIT)

## Mozambique may become one of the world's largest gold producers

2:52 CAT | 16 Jul 2019

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After ruby, oil, gas and a multitude of other mineral resources, Mozambique looks set to again shine with yet another great discovery, perhaps one of the largest in Africa and perhaps the world, O País reports.

According to a survey conducted by Mwiriti, Lda, one of Mozambique's largest gemstone companies, large gold reserves have been confirmed in the province of Cabo Delgado.

According to Azghar Faqhr, managing director of Mwiriti, "preliminary results indicate gold reserve about six times as large as those discovered in South Africa".

## Mozambique: Mwiriti discovers gold in Cabo Delgado

 FurtherAfrica

5 years ago



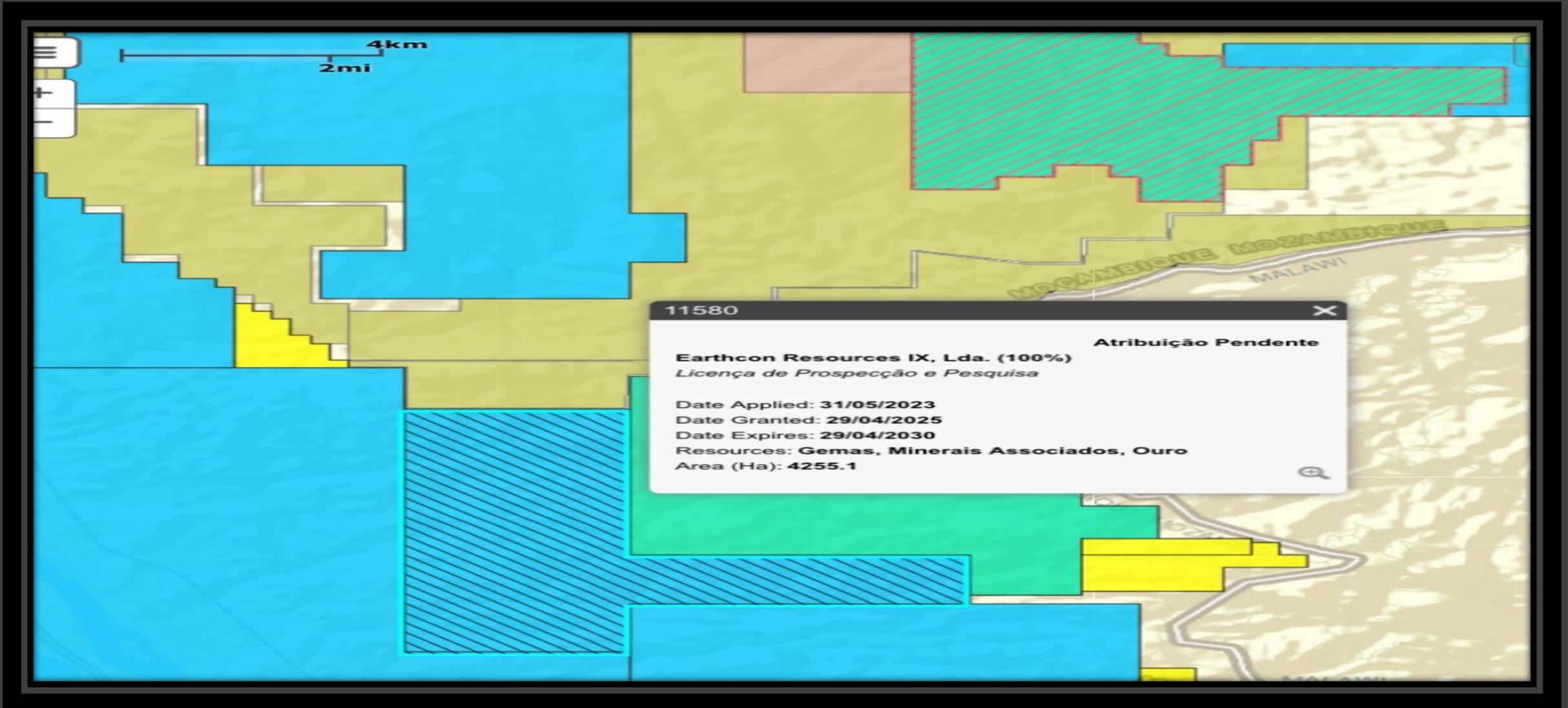
**The Mozambican mining company Mwiriti has confirmed that it has found gold in its concession in Nairoto, in Montepuez district in the northern province of Cabo Delgado.**

## EARTHCON RESOURCES V – GOLD

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- ❖ Earthcon Resources V Lda had appointed Rock Investimentos (Subtilio Rodriguez) to conduct pre-study ground reconnaissance on the exploration license area to evaluate the potential of gold occurrence based on desktop study report prepared by N'Koloto Resources (Armando Nhambirre).
- ❖ The data analysed along with satellite image processing, remote sensing analysis (desktop studies) shows high potential to host a big primary gold deposit. Some of the area within license has illegal miners 'garimpeiros' carrying out artisanal gold mining which is also a good indication of gold deposits.
- ❖ The geological reconnaissance exercise (pit excavation) also confirmed exceptional occurrence of gold within the license area, which includes both primary and alluvial gold. With very good gold occurrence and good water resource makes the project economically sustainable.

# EARTHCON RESOURCES IX – GOLD



# EARTHCON RESOURCES IX – GOLD

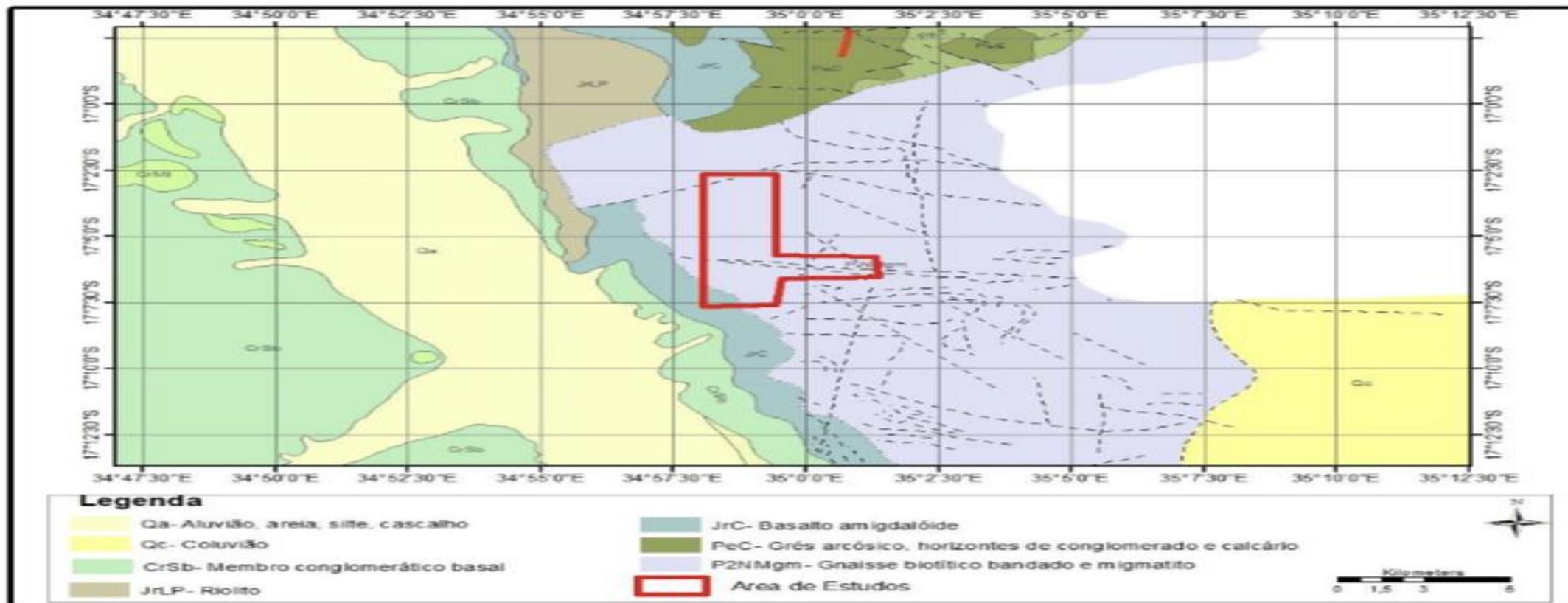


Figura 3: Mapa geológico da área abrangida pelo projecto. Autor, 2023.

# EARTHCON RESOURCES IX – GOLD

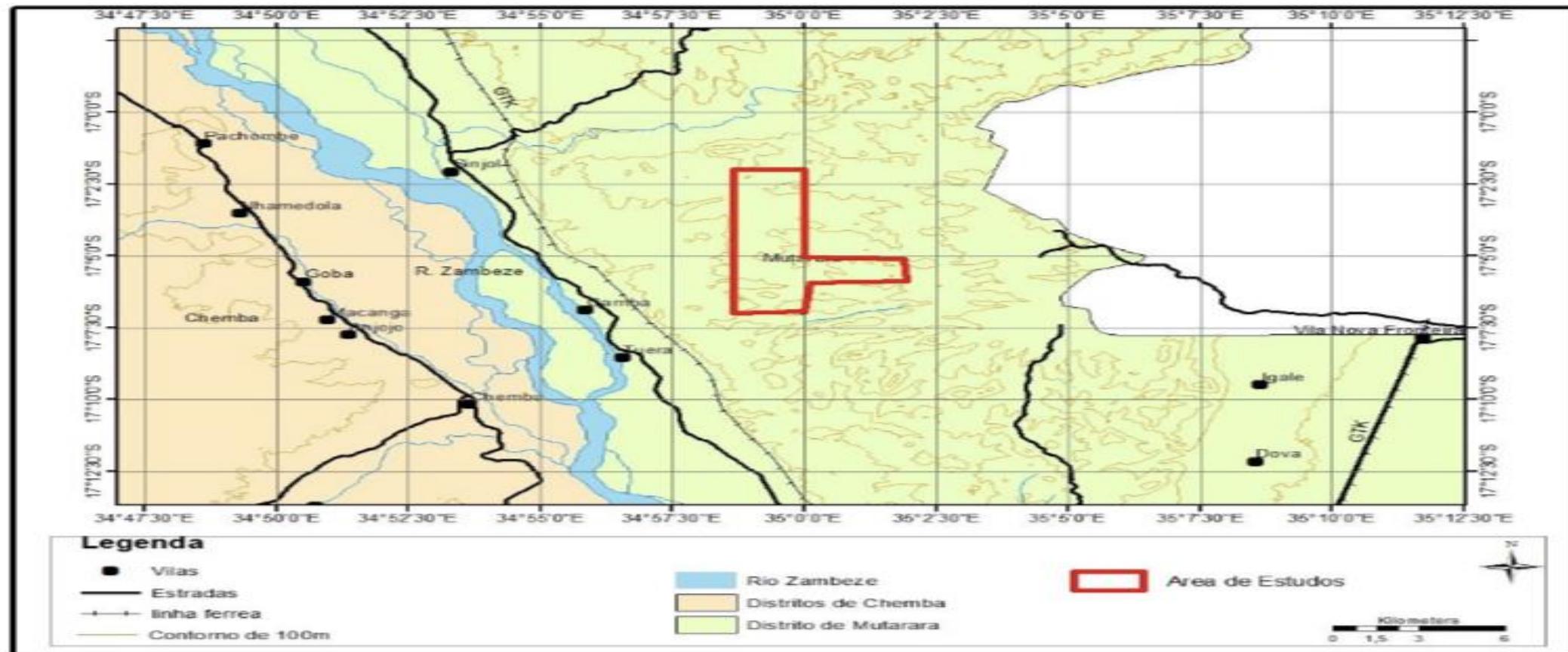
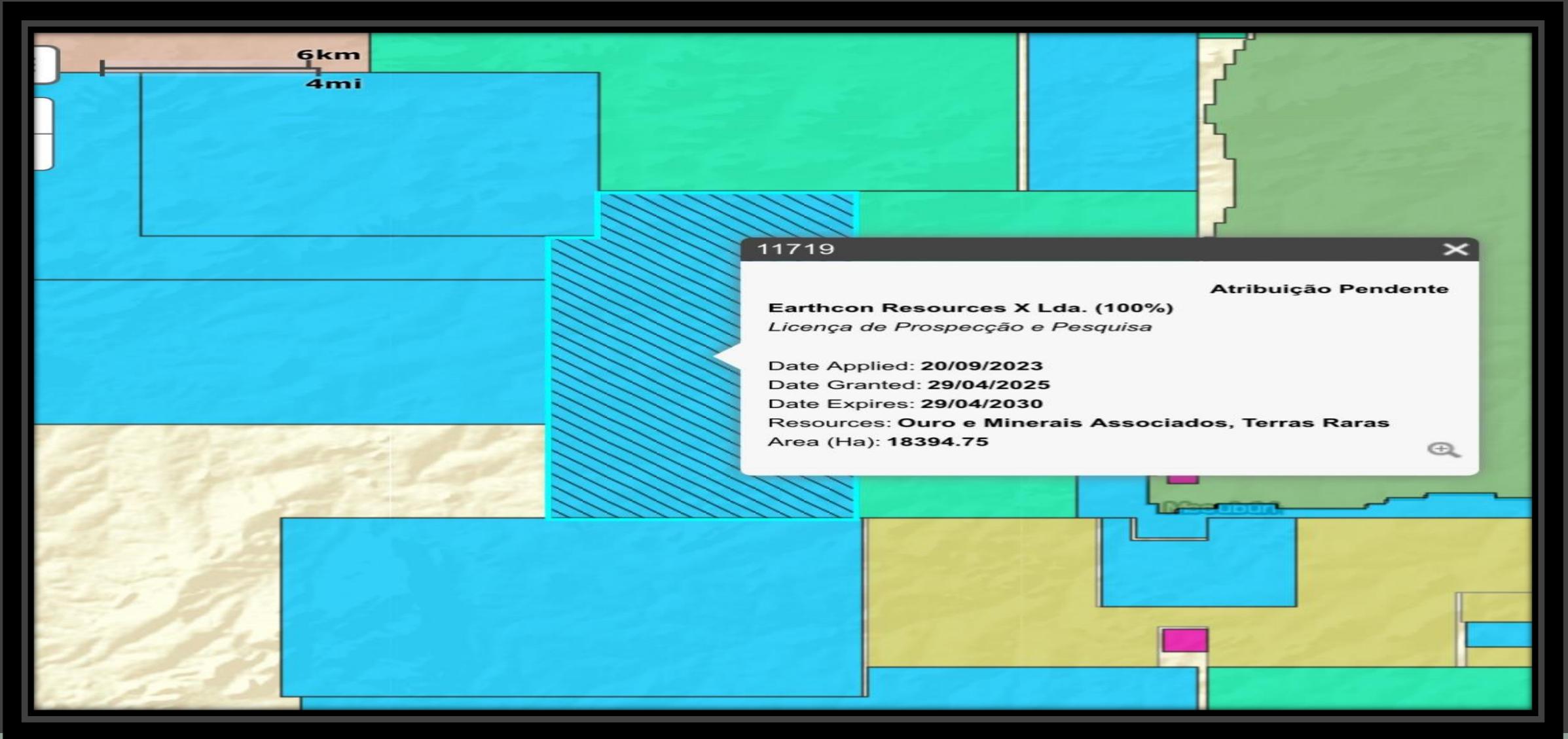
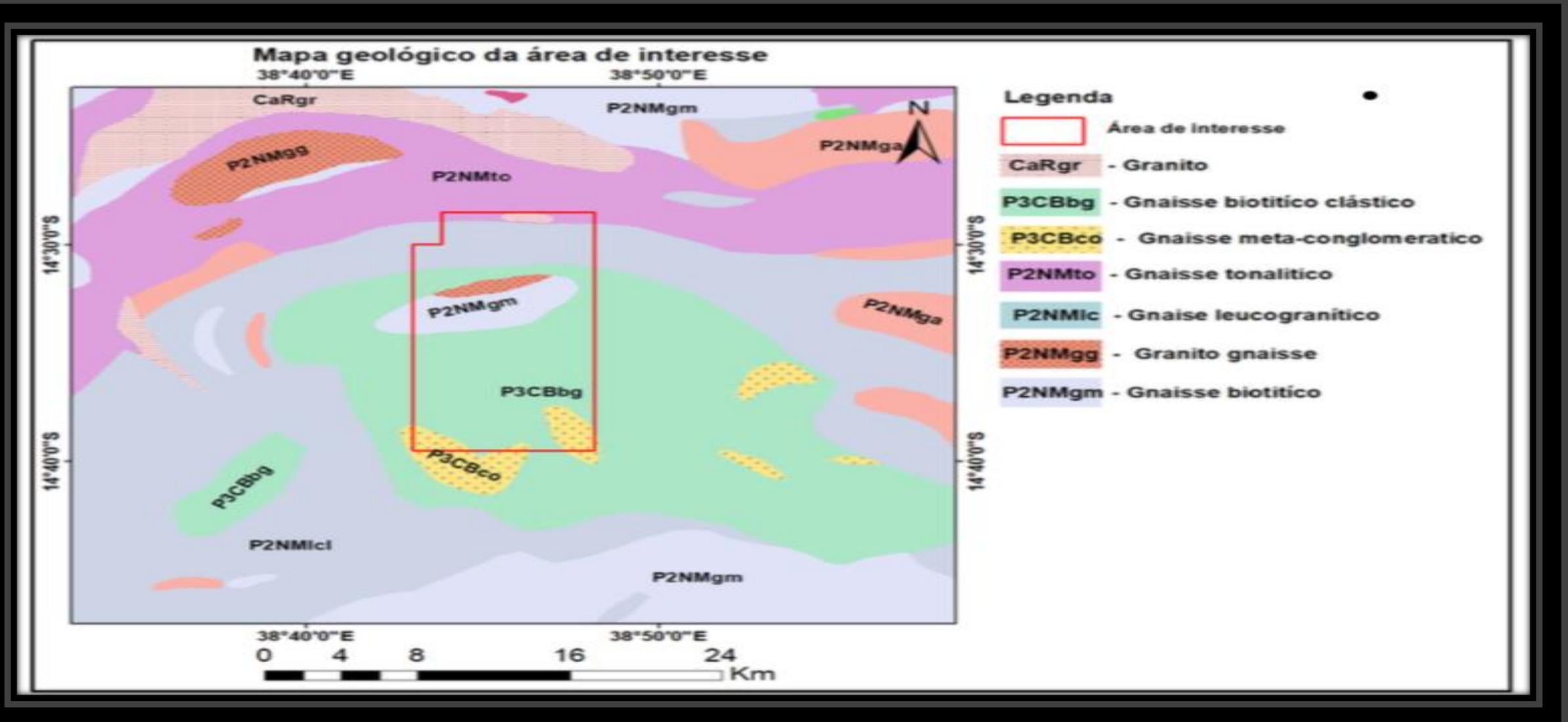


Figura 1: Localização geográfica da área de estudo. Autor, 2023.

# EARTHCON RESOURCES X – GOLD



# EARTHCON RESOURCES X – GOLD



# MOZAMBIQUE COMPANY DETAILS

<b>COMPANY NAME</b>	<b>EARTHCON RESOURCES II</b>	<b>EARTHCON RESOURCES V</b>
<b>REGISTRATION NO</b>	<b>101940713</b>	<b>101957616</b>
<b>REGISTRATION DATE</b>	<b>1-Mar-23</b>	<b>27-Mar-23</b>
<b>SHARE CAPITAL (MZN)</b>	<b>100 000</b>	<b>100 000</b>
<b>NUIT NUMBER</b>	<b>401 548 408</b>	<b>401 560 238</b>

# MOZAMBIQUE COMPANY DETAILS

COMPANY NAME	EARTHCON RESOURCES IX	EARTHCON RESOURCES X
REGISTRATION NO	105003672	105003671
REGISTRATION DATE	24-May-23	24-May-23
SHARE CAPITAL (MZN)	100 000	100 000
NUIT NUMBER	401 568 034	401 579 567

# EARTHCON – GOLD FIELD STAFF TEAM





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**[info@earthconresources.com](mailto:info@earthconresources.com)**