MIKAS and NIKAS springs photo gallery

A F R I C A

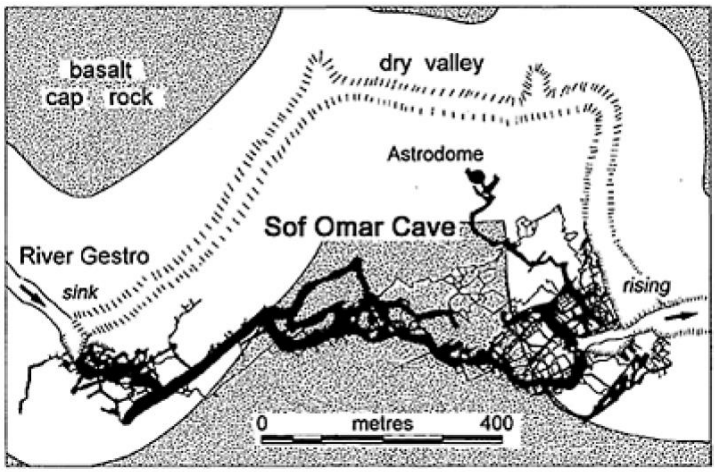
Ethiopia, Libya, Madagascar, Morocco, Nigeria, Somalia, South Africa, Zimbabwe

Ethiopia

MIKAS – Sof Omar



Location map of Sof Omar Cave



Sof Omar cave map (from Worthington, 2004).



Sof Omar Resurgence (photo by John Gunn)



Sof Omar sink (photo by John Gunn)



Flood debris in Sof Omar cave (photo by John Gunn)



Cave passage (photos by John Gunn)

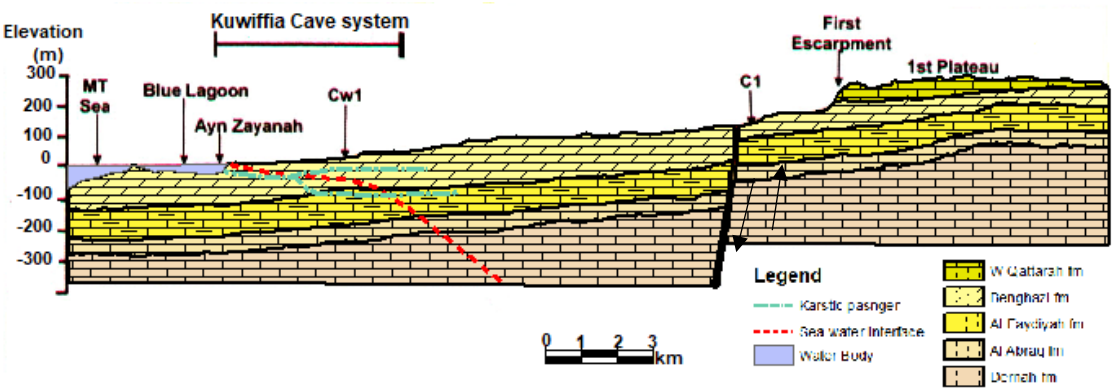
Libya



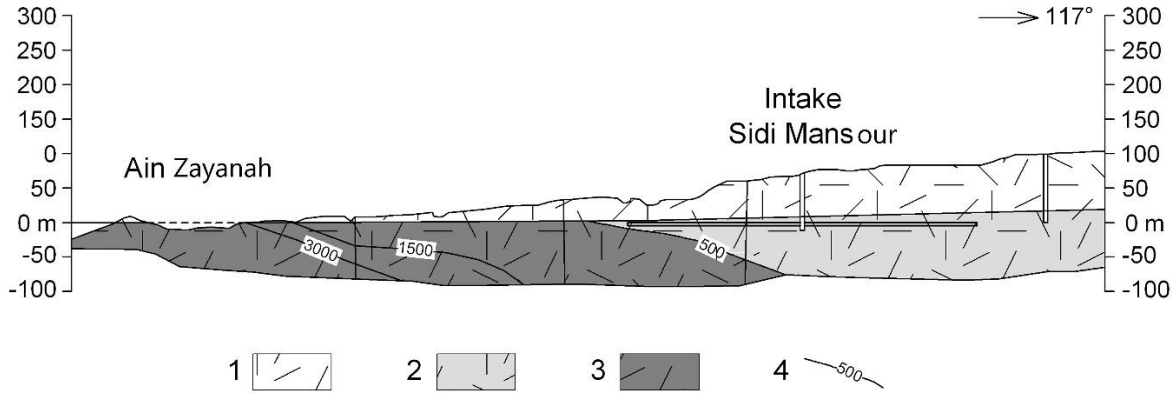
MIKAS – Ain Zayanah



Ain Zayanah spring & Blue lagoon from Google Earth.



Cross section after Guerre (1978) modified by Abdul Malik (2007)



Cross section of the Sidi Mansour (Jebel Akhdar) – Ain Zayanah (modified from Mijatović, 2006; published in Stevanović, 2010). Legend: 1. Unsaturated Eocene limestones; 2. Karstic Eocene aquifer with fresh water; 3. Karstic Eocene aquifer with brackish water; 4. Salinity iso lines, values in ppm.



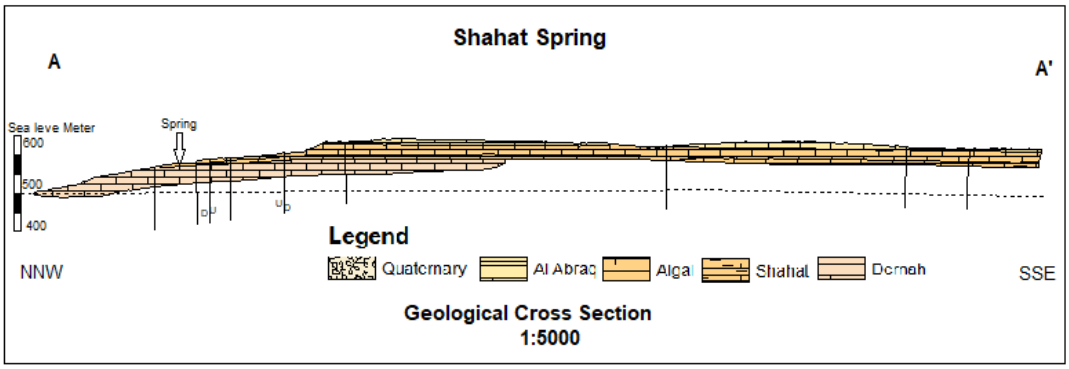


Ain Zayanah spring & Blue lagoon

MIKAS – Apollo spring (Ain Shahat)



The extend of the spring overlaying Google Earth



Cross section of the Apollo spring, updated after Hydrogeo 1992.

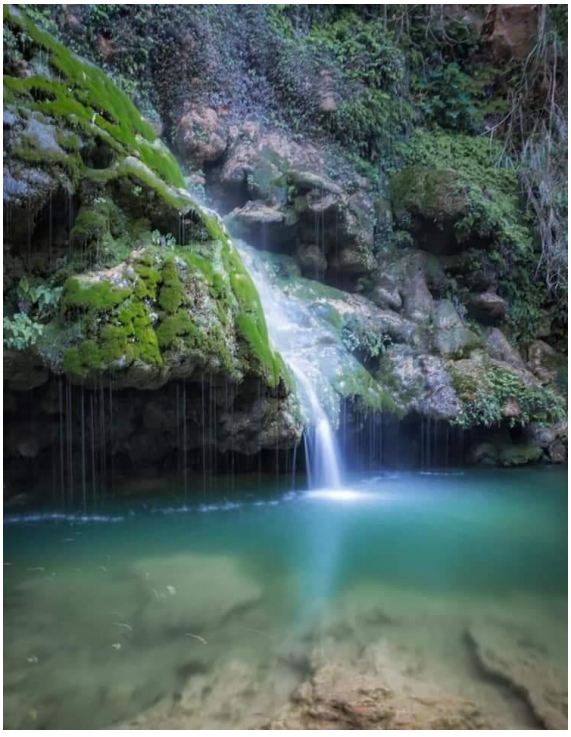


The Apollo spring outlet

MIKAS – Ayn Daboussiah



The waterfall of Ayn Daboussiah spring



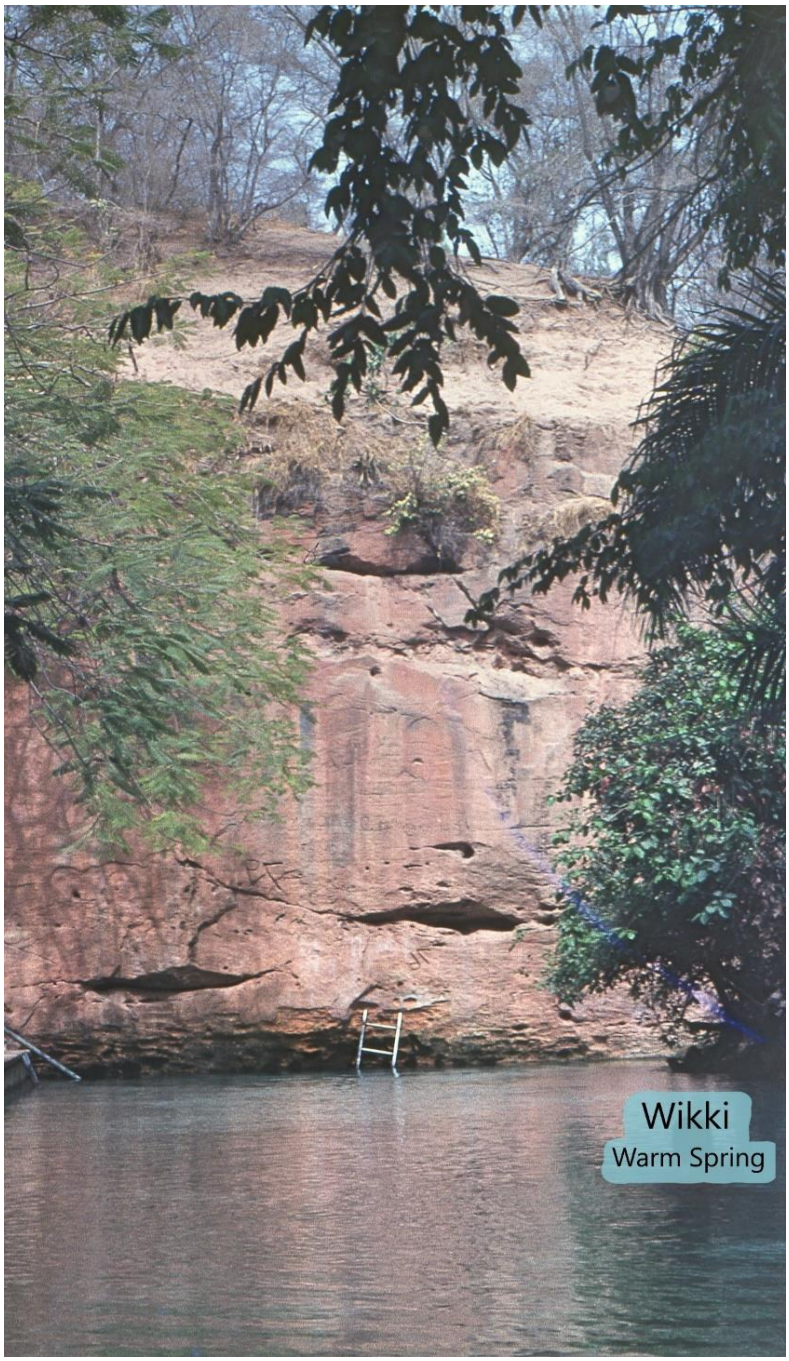
Ayn Daboussiah spring (detail)



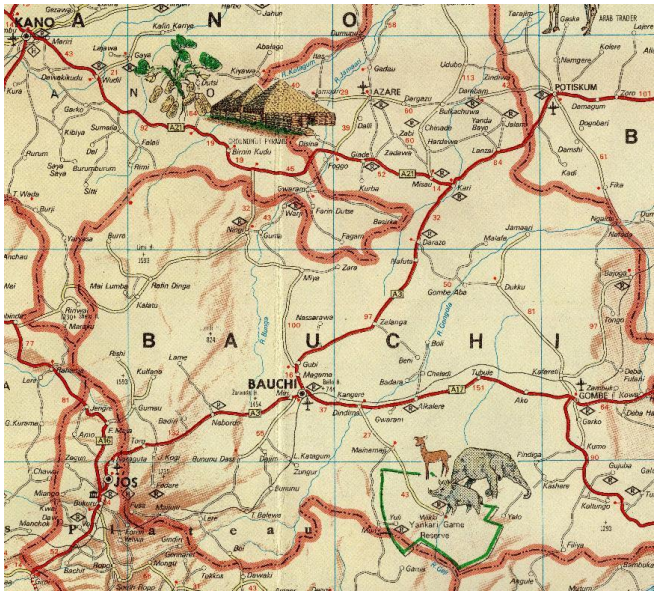
The pond of Ayn Daboussiah spring

Nigeria

MIKAS – Wiki spring



Wiki spring, the pool under big cliff



Yankari Reserve Park (green contour)

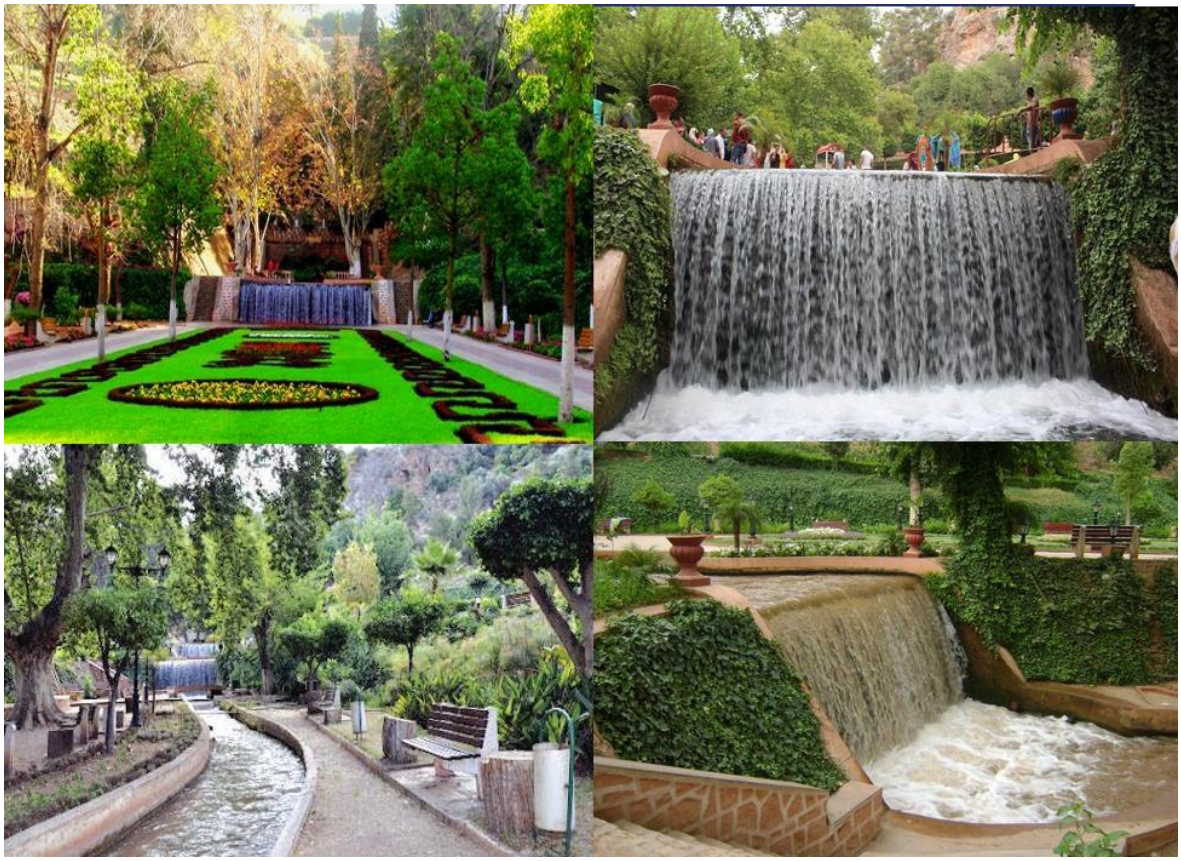


Humans and elephant in Wiki's water

Morocco



MIKAS – Ain Asserdoune



Photos of Ain Asserdoune spring.

MIKAS - Win Timdouine



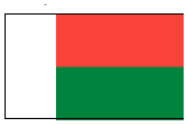


Win Timdouine cave's river. (Left. Photo by Khalil Azenoud, 2024). Stalactites and stalagmite of Win Timdouine Cave. (Right. Photo by Yassine Ez-Zaouy, 2024)



Win Timdouine cave view. (Photo by Yassine Ez-Zaouy, 2024)

Madagascar



NIKAS – Unamed spring near Androhibe

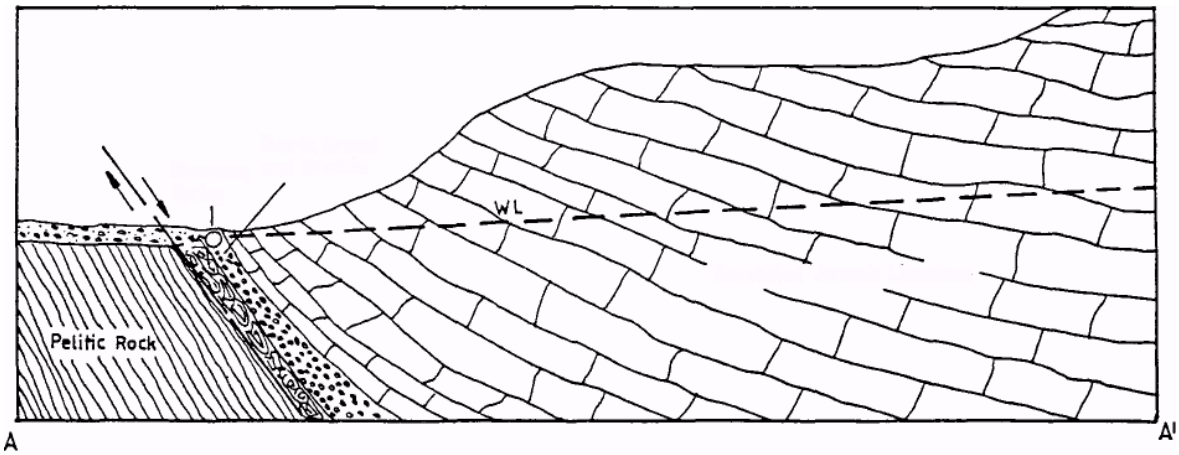


General view of the spring. Photo by Augusto Auler

Somalia



MIKAS - Dhamuuq



Cross section of Dhamuuq (Damuq) spring (after Faillace & Faillace, 1986)



Togga Dhamuuq downstream of the spring (photo S. Milanović)

South Africa

MIKAS – Upper and Lower Fountain



Collection Chamber and entrance door with outflow of Lower Fountain (Photo by Matthys Dippenaar)



The Upper and Lower Fontain are supplemented by two other springs covering other parts of Pretoria, namely Grootfontein (Afrikaans for Big Fountain) and Sterkfontein (Afrikaans for Strong Fountain). This is interior of Grootfontein intake collection chamber



Pump House (originally coal fired) pumping Lower and Upper Fountain Water with the Apies River outflow from the Spring (courtesy of Gerrit Burger)

MIKAS – Kuruman eye



Kuruman Eye - view of spring (photo by Matthys Dippenaar)



The bridge over Kuruman eye (photo by Matthys Dippenaar)

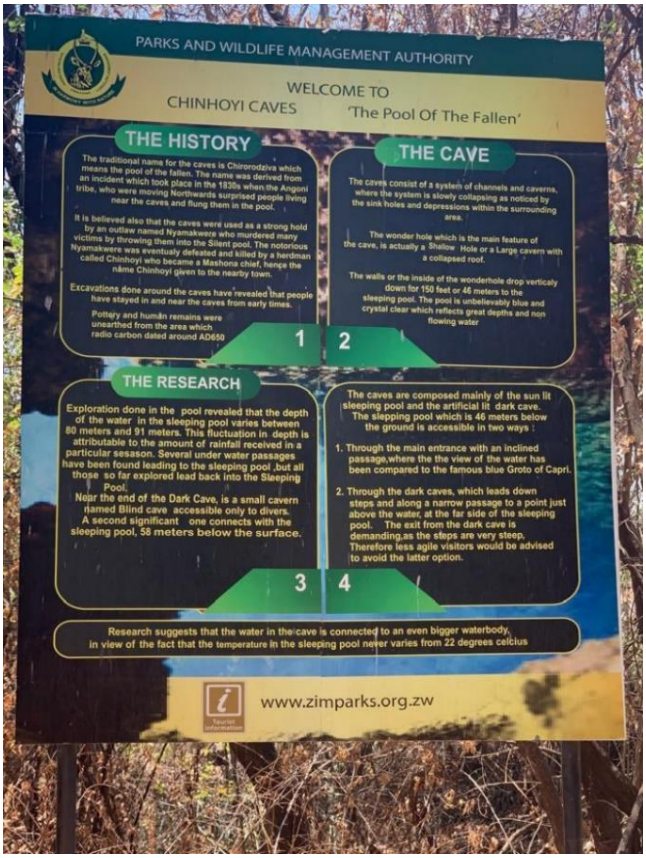




Kuruman Eye Dolomite Outcrop (left) and details of "elephant skin" weathering (photos by Matthys Dippenaar)

Zimbabwe

MIKAS – Baguta spring



The informative plate illustrating a historic overview of the Chinhoyi caves (Photo Credit: Moses Souta)



Stream that is formed by the spring as it flows along a channel (Photo Credit: Kudakwashe Shelton Muzenda)



The “sleeping” pool at the Chinhoyi Caves which is characterised by cobalt blue clear water (Photo Credit: Moses Souta)



One of the entrances into the cave showing the dolomitic limestone rock outcrop and typical karst cavern (Photo Credit: Moses Souta)