

DNHG geological trip to Wadi Naqab on Saturday 10th February, 2018

This geological field trip will be led by David Kingston and will take place on Saturday 10th February in Wadi Naqab starting at **9 AM** and finishing by **4 PM**.

A 4X4 vehicle is not required.

The location has been chosen to view the stratigraphic column in order to help understand how the rocks were formed in the first place. As we work our way across the stratigraphic column, we will see how the rock types that were formed were influenced by the environment of deposition that prevailed at the time of deposition. We will also see how subsequent tectonic mountain building events have shaped the rocks to form the mountains we see today.

The Wadi Naqab stratigraphic column extends over the Triassic - Jurassic boundary. This boundary is about 200 million years old and is associated with one of the world's mass extinctions. We will try to find evidence of this mass extinction by working our way across the stratigraphic column and looking at the fossil assemblages as they change from one geological formation to the next.

The wadi continues to be influenced by geological processes so we will look for and identify some of these recent, though perhaps less dramatic processes.

The field trip will not cover a large distance and will not require climbing, though some scrambling will be required. There will be moderately technical descriptions and discussions and there will be adequate opportunity for questions and explanations, and for fossil inspection.

You should wear hiking boots, carry a lunch box and at least two litres of water. Sun protection is a must as there is no shade. For fossil inspection a magnifying glass will be helpful.

Due to the nature of this walk the group is limited to **16** people.

If interested, please apply to Sonja: lavson@gmail.com

In case of overbooking we will resort to a draw.

For paid up DNHG members only!