



BARINGO GREAT RIFT VALLEY - ASPIRING GEOPARK KENYA

LAKE BOGORIA: AN EXTREME RIFT LAKE

Where Water, Heat, and Chemistry Combine

Lake Bogoria has no outlet, so water stays within the basin. It lies in the Rift Valley, where cracks in the Earth allow heat from deep below to reach the surface - feeding its famous hot springs and geysers.

Water enters from streams and hot springs, but can only leave by evaporation. This concentrates salts, making the lake highly alkaline and saline.

More than 200 hot springs and geysers feed the lake with mineral-rich, near-boiling water, increasing its heat and chemistry.



Life in the Brine

Despite its heat and salty waters, Lake Bogoria is rich in life. Tiny algae called *Spirulina* thrive here, forming a green 'soup' that feeds millions of Lesser Flamingos - creating one of the Rift Valley's most spectacular wildlife displays. (find a picture of the flamingos feeding)

At Low Lake Level



At High Lake Level



A Changing Lake

Lake Bogoria is always changing. As water levels rise, many geysers are covered and the lake becomes less salty. These changes affect how minerals form and the delicate balance of life in the lake, showing that this is a dynamic and active Rift Valley landscape.

