Paleolimnological Changes across the Last Glacial Maximum at Lake Nakuru, Kenya

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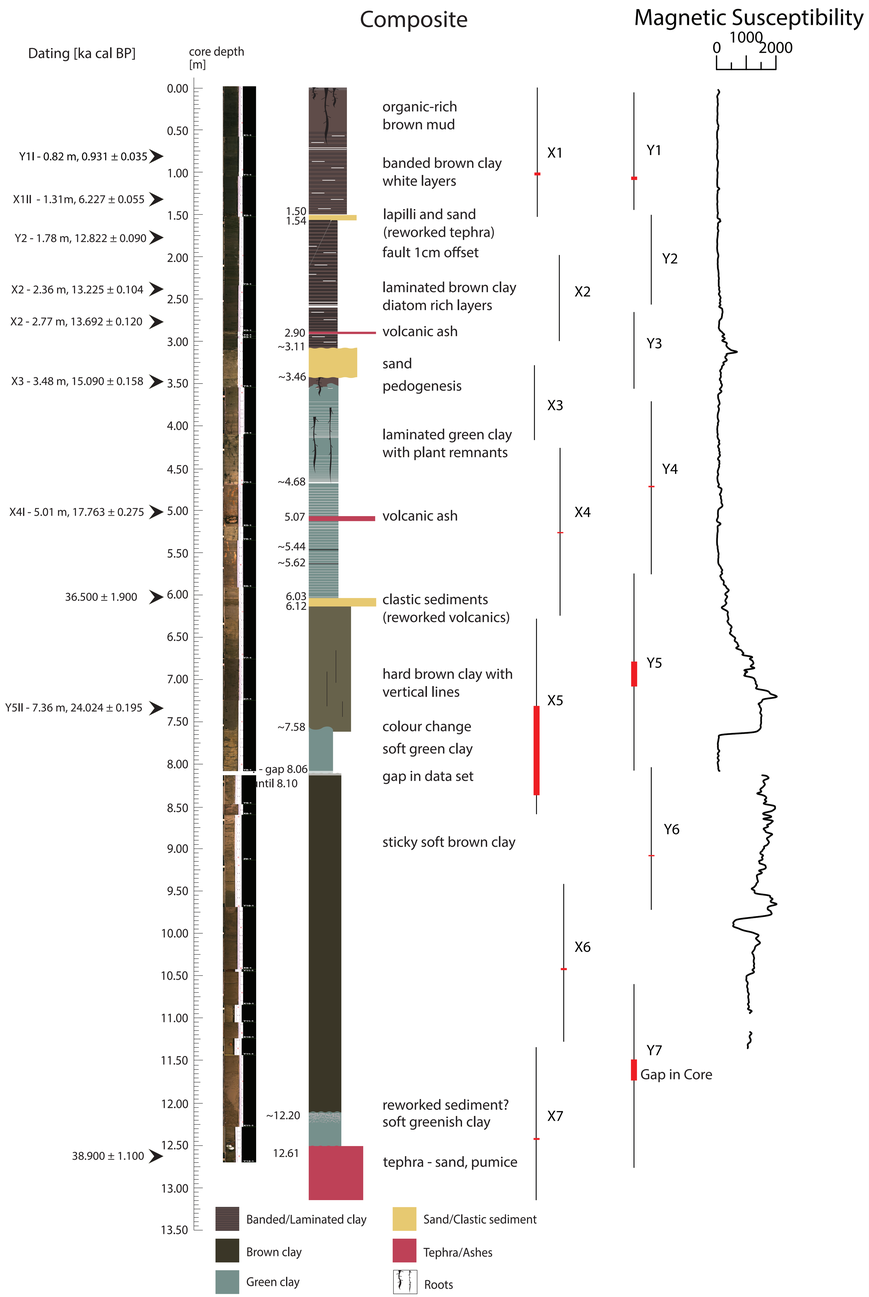

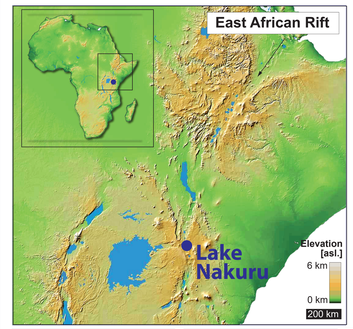

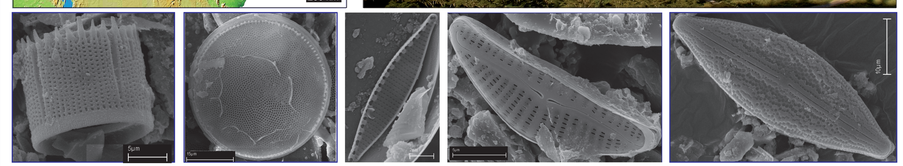

Introduction & Setting

- Lake Nakuru is an "amplifier lake" located in the Central Valley of the East African Rift System (EARS)
- Lithology and Magnetic Susceptibility with CoreWall were used to correlate two cores taken by Lake Naivasha Coring Project in 2004.
- The chronology of the cores is based on 11 AMS ^{14}C ages measured on charcoal and two $^{40}Ar/^{39}Ar$ ages from separate tephra layers.
- **XRF and diatom data will be used to reconstruct paleo-lake levels and paleoenvironments in the Nakuru Valley over the past 40,000 years in order to understand timing and speed for transitions around the Last Glacial Maximum and the African Humid Period.**

Acknowledgements

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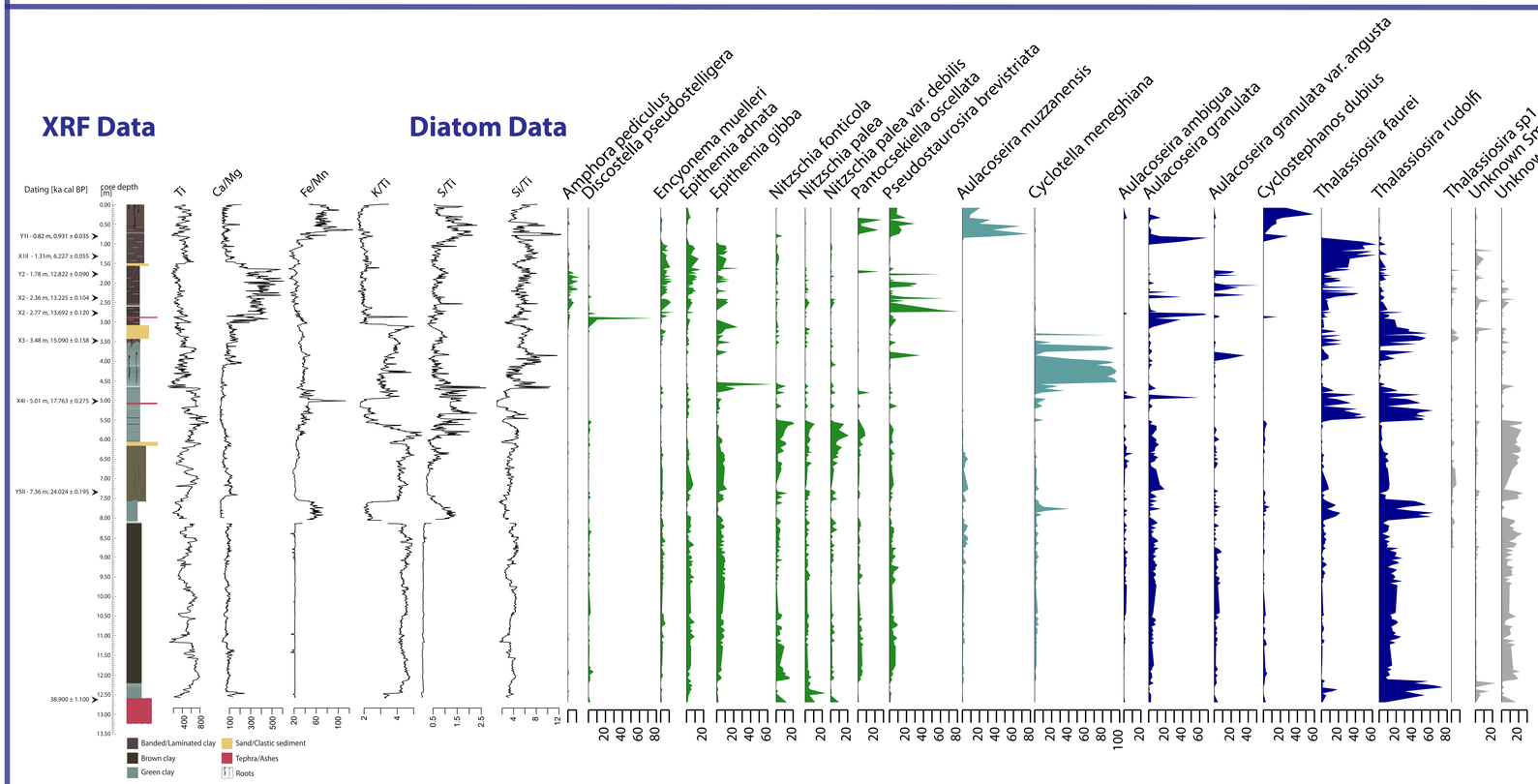
XRF Data

Diatom Data