

20th Conference of the Southern African and Islands Hydrographic Commission SAIHC20

National Report by Malawi



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International
Hydrographic
Organization

SAIHC20, 17-19 September 2024
Kisumu, Kenya



MALAWI HYDROGRAPHIC OFFICE

- Mandate to carry out hydrographic surveys of Lake Malawi and lesser lakes of Malombe, Chirwa and Chiuta as well as the Shire River;
- Publicise notices to mariners and sailing direction
- First hydrographic surveys were conducted in 1950s;
- 40% of Lake Malawi has been surveyed



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ACHIEVEMENTS DURING THE YEAR

SIGNING OF MOU - MALAWI & UKHO

The bilateral meeting took place in Taunton, UK in June 2024

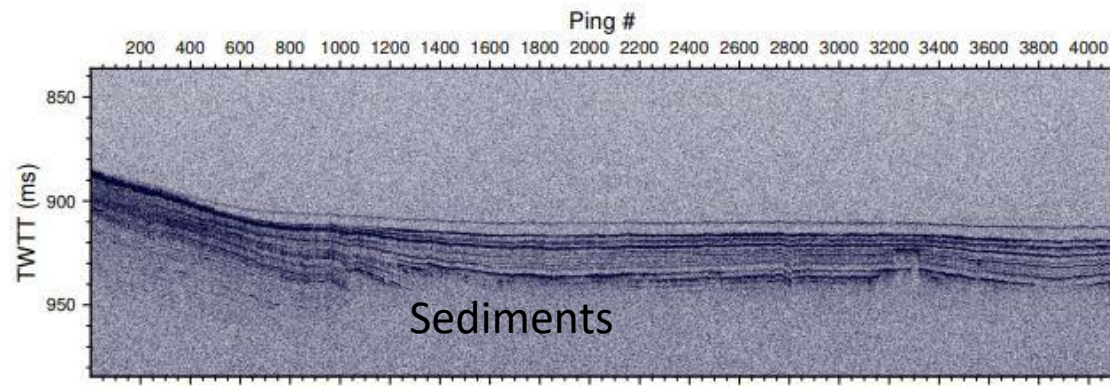
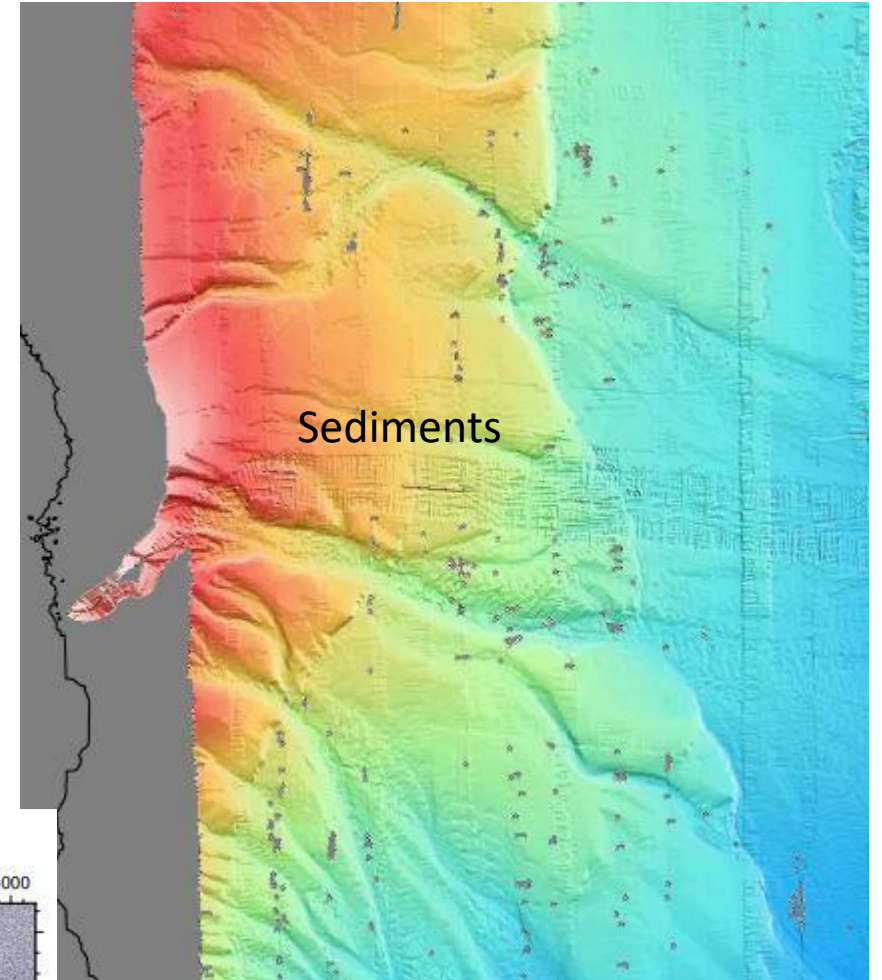
- MOU was signed to build a strong joint partnership in Hydrography between Malawi and United Kingdom Hydrographic office through;
 - Exchange programme for capacity building;
 - Sharing general technical advice on development of hydrography, nautical cartography and spatial data infrastructure



ACHIEVEMENTS DURING THE YEAR

SEISMIC AND BATHYMETRIC SURVEY

- The survey was organized by Syracuse University - USA
- The data will be used to determine the position and rate of motion of faults below lake Malawi;
- The data will be used to better understand earthquake hazard to communities in the rift valley
- Area of Sedimentation were discovered



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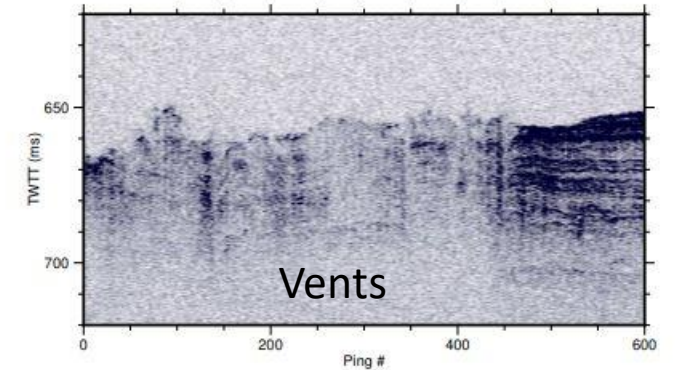
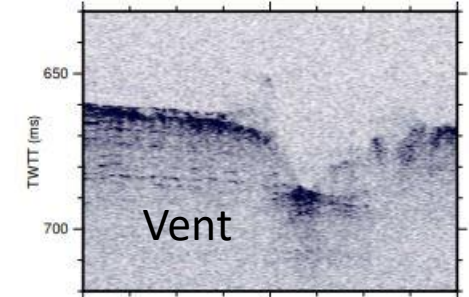
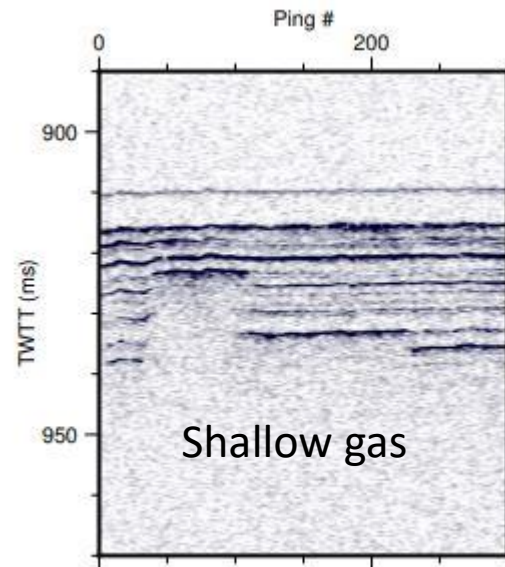
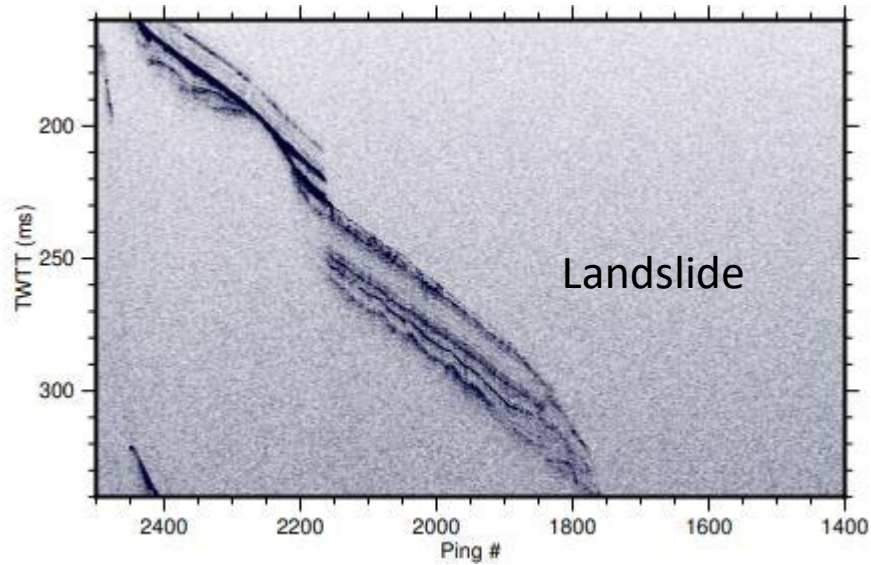
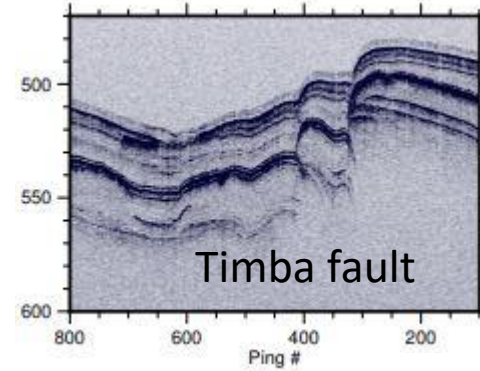
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ACHIEVEMENTS DURING THE YEAR

SEISMIC AND BATHYMETRIC SURVEY cont..

- New fault was discovered example Timba Fault
- Area of landslide, shallow gas and vents were discovered



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CHALLENGES AND/OR OBSTRUCTIONS

- Lack of training in Hydrography and Nautical cartography
- Hydrographic Equipment needs to be acquired
- Data acquisition and Charts production software needs to be purchased



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PLANS THAT AFFECT THE REGION

- 1:10,000 Nkhotakota Approaches to be surveyed
- Sport hydrographic surveys to be conducted for sedimentation analysis



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THANKS FOR YOUR ATTENTION



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