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2015 BHEARD Scholar  
**Trencio Enock Hanwell  
Kandinga**

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# Profile

<b>Country of Study:</b>	South Africa
<b>University:</b>	University of Pretoria
<b>Department:</b>	Plant and Soil Science
<b>Student Position:</b>	Graduate Research Assistant - M.Sc.
<b>Hometown:</b>	Balaka, Malawi
<b>Home Institution:</b>	Ministry of Agriculture, Irrigation and Water Development
<b>Home Position:</b>	Senior Irrigation Engineer
<b>Mentored By:</b>	Home: Dr. Kenneth Wiyo University: John G Annadale, Professor and Richard Stirzacker, Professor

## *Research Area: Water Resources Management*

**BHEARD PROGRAM START DATE:** January 2016

**UNDERGRADUATE EDUCATION:** B.Sc., Irrigation Engineering, University of Malawi, Malawi

**RESEARCH INTERESTS:** Trencio is interested in groundwater monitoring for water and solute management in irrigation schemes. Monitoring groundwater dynamics in irrigation schemes can help water management in the current water crisis situation in Malawi due to climate change. It can also unravel an understanding of groundwater movement which influences movement of different salts in irrigated areas and the surrounding environment which causes land and water pollution.

This study will be beneficial to Trencio's employer because farmers have little understanding of groundwater movement effects on transportation of salts which cause pollution and it will help farmers use adequate water, depending on the soil types which will reduce irrigation costs and improve crops.

**PERSONAL STATEMENT:** Trencio's personal interest is to acquire greater research skills which can help in the area of water and wastewater management so as to help reuse the water in a sustainable manner through an understanding of groundwater dynamics in Malawi. This is currently lagging behind in this field.

**WHEN I AM NOT WORKING I ENJOY:** Trencio enjoys watching soccer, mountain hiking, reading different books and riding his bicycle.