



# ROADS FOR WATER SECURITY WATER FOR ROADS SAFETY

## ONGOING ACTIVITIES KITUI COUNTY

*Mekelle, February 2017*

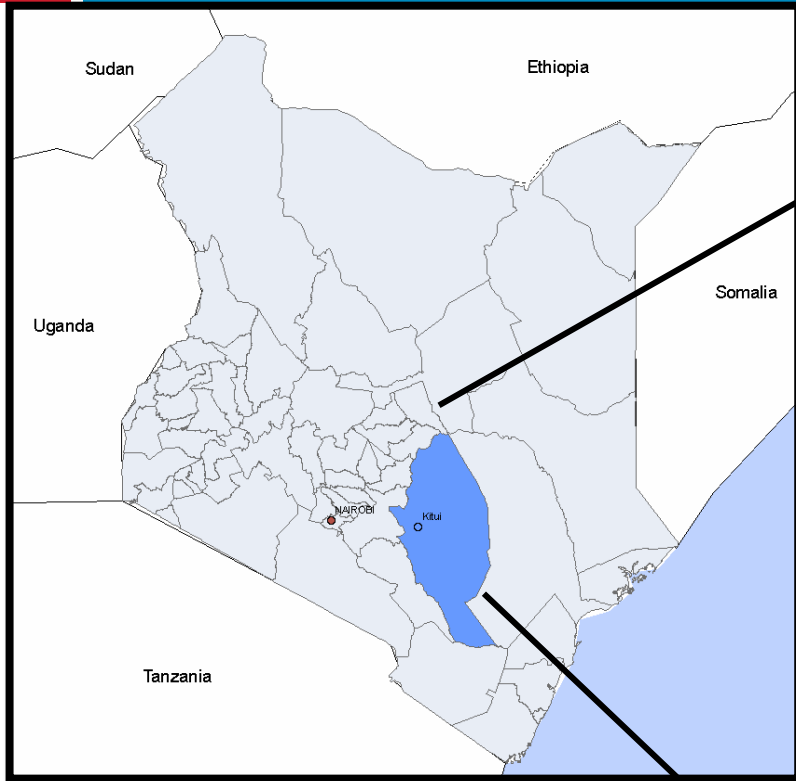
# Order of Presentation

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1. Introduction of Kitui County
2. County Programs
3. Examples From Kitui County

# 1. Introduction of Kitui County

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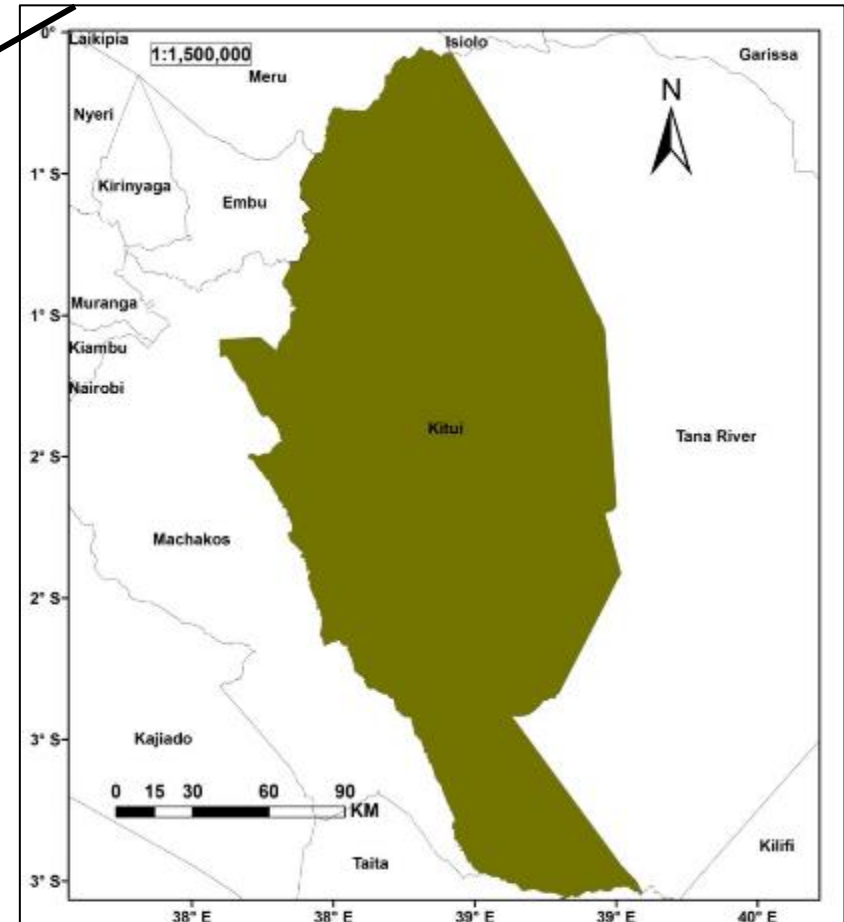
Kitui County

6<sup>th</sup> largest in Kenya

Area= 30462 km<sup>2</sup>

Population = 1,012,736 (2009 census)

Projected by 2017 at 1,149,332



COUNTY GOVERNMENT OF KITUI  
MINISTRY OF AGRICULTURE, WATER  
AND IRRIGATION

SOUTH EASTERN KENYA UNIVERSITY  
SCHOOL OF WATER RESOURCES SCIENCE  
AND TECHNOLOGY

PROJECT: KITUISSD/2016  
PROJECT FUND: KITUI COUNTY GOVERNMENT  
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FILE NAME: KTRSD/PT51

KITUI COUNTY- LOCATION MAP  
KITUI COUNTY SUBSURFACE/SAND DAM  
DEVELOPMENT PROGRAMME

PLATE  
01

# 1. Introduction of Kitui County

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- Arid and semi-arid region with erratic and unreliable rainfall
- The county is faced with cyclical hydrological and agricultural drought, hence food and water insecure
- The increasing population projected at 2.1% p.a implies increased demand for the multiple uses of the available water resources
- The limited water resources invoke a programmatic approach to address the challenge

## 2. County Programs

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- Integration of Roads for Water Program with other county programs
- Training of County staff in the selected sub-counties (Kitui Rural and Kitui Central)
- Sensitization of farmers on the opportunities in roads for Water

## 2. County Programs

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- Roads
  - 2016/17 FY: Grading of 3000 km of roads; 1 250 km already done (county has 8 graders operating in different areas of the expansive county).
  - 132 road-drifts being constructed; most complete.
- Water
  - 2400 Sand Dams to be constructed in the County
- Agriculture
  - On-farm ponds as means of enhancing small scale irrigation



### 3. Examples From Kitui County

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# 3. Examples From Kitui County

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The water is used for irrigation





# 3. Examples From Kitui County

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## Dry Season



# 3. Examples From Kitui County

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During the rainy season





# 3. Examples From Kitui County

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Water harvesting pond done by agriculture department, to be filled with road runoff



# 3. Examples From Kitui County

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## Farmers training in Mbitini area



# Next steps

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1. Prepare a cabinet memo for presentation to the cabinet to establish a joint team incorporating roads, water, agriculture and environment departments to help upscale this important program in the county.
2. Continued capacity building of the plant operators and water, agricultural and environment officers on roads water harvesting techniques.



Thank You

Asante sana

I bwega muno