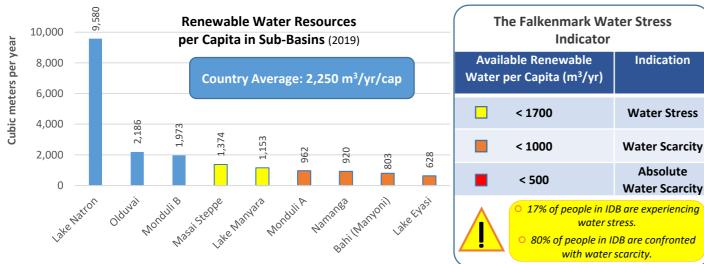
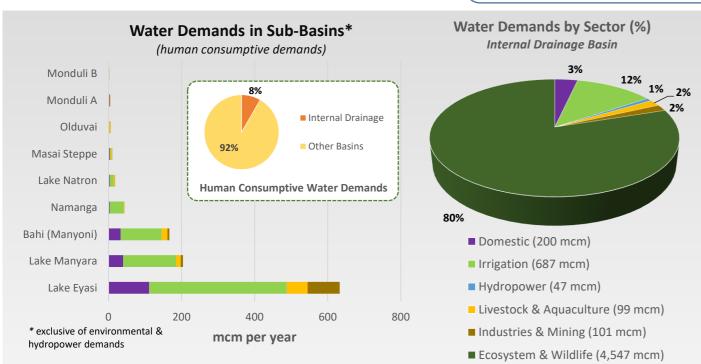


Water





Ecosystem is the largest water user in the Internal Drainage Basin. About 65% of the renewable water resources in the basin is required for replenishment of environmental demands, and nearly 16% is currently utilised for domestic, industries, irrigation, and livestock sectors. In the latter portion, Irrigation sector accounts for about 63% of human-consumptive uses, which makes it the second rank in total water demands.

# THE UNITED REPUBLIC OF TANZANIA Ministry of Water Water Resources Division

Physiographic Profile	
Basin Area (inside Tanzania)	<b>143,200</b> km <sup>2</sup>
No. of Sub-basins	9
No. of Major Lakes	7
Protected Areas	
No.	107
Area	<b>52,827</b> Km <sup>2</sup>
Dominant Soil Texture	Sandy Loam
<b>Dominant Productive</b>	Migmatite/
Formation	Granitoide/
	Meta-Sediment
	Complexes
Mean Vegetation Index	0.25
Forest Cover Change	<b>-1.52</b> %/yr
(2000-2015)	.,
Average Slope	4.6%
Altimetry	
Highest	<b>5,895</b> m.a.s.l*
Lowest	<b>573</b> m.a.s.l
Mean Elevation	<b>1,312</b> m.a.s.l

<sup>\*</sup> m.a.s.l: meters above mean sea level

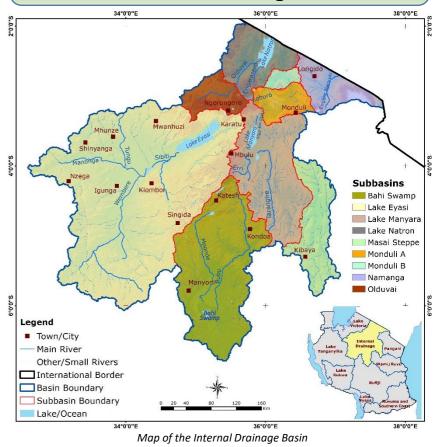
Socio-Economic Profile (201	9)
Population	7.47 million
Population Density	52 person/km <sup>2</sup>
Water per Capita	<b>933</b> m³/yr

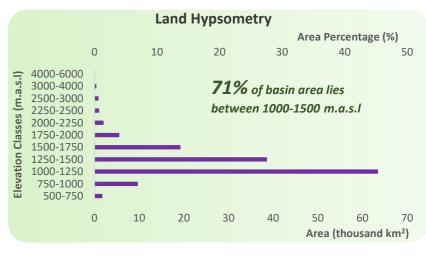
#### **Hydro-Climatic & Water Resources Profile\***

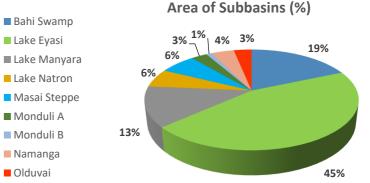
<b>701</b> mm/yr
<b>21.7</b> °C
<b>1,667</b> mm/yr
<b>646</b> mm/yr
<b>6,968</b> mcm/yr
<b>6,084</b> mcm/yr
<b>884</b> mcm/yr
<b>5,634</b> mcm/yr
<b>1,087</b> mcm/yr
16 %
16 %

<sup>\*</sup> According to the Internal Drainage Basin IWRMDP, 2015

#### **Water Resources Fact Sheet The Internal Drainage Basin**





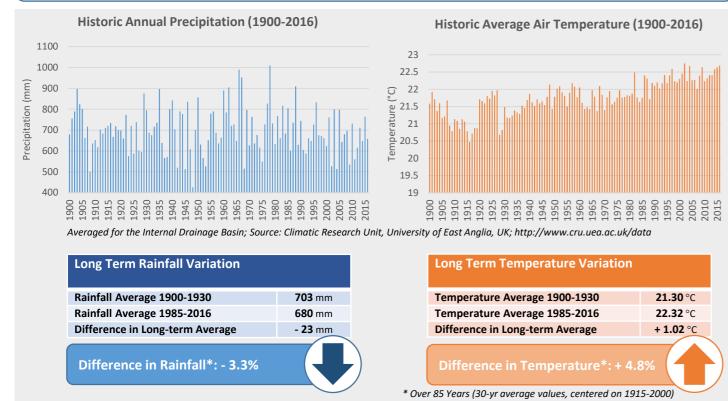


Tanzania mainland is comprised of nine hydrologic basins. The Transboundary Internal Drainage Basin is Tanzania's 2<sup>nd</sup> Largest basin (considering total area of the basin shared with Kenya); however, regarding part of the basin that is located inside Tanzania, it is the 3<sup>rd</sup> largest basin that encompasses more than 15% of the area of the country. The basin is stretched from central parts of Tanzania to the north-east, where it crosses borders with Kenya. Waters that run from precipitation, flow into several lakes and swamps scattered in the basin.

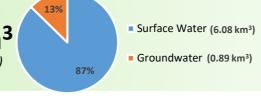
Water Resources Division

## **Internal Drainage Basin Water Resources Key Figures**

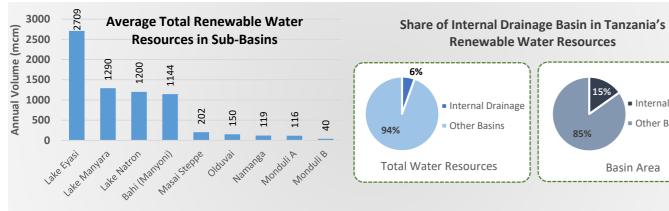


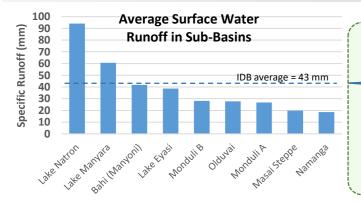


# Annual Renewable Water Resources: 6.97 km<sup>3</sup> (inside Tanzania borders)



Internal Drainage





Average Country-wide Specific Runoff: 111 mm

Average Internal Drainage Basin's Specific Runoff: 43 mm

There is a large variation of runoff production within different sub-basins in the Internal Drainage Basin:

- Lake Natron sub-basin as high as 221% of average
- Namanga sub-basin as low as 44% of average

The Internal Drainage Basin receives in average an annual precipitation of 100 km<sup>3</sup> out of which as much as ca. 93 km<sup>3</sup> returns back to the atmosphere and 6.97 km<sup>3</sup> (about 7%) turns into surface and ground water as renewable freshwater resources.

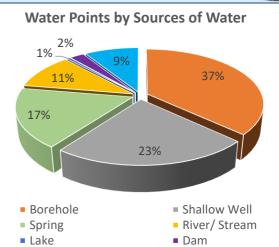
Water Resources Division

## Internal Drainage Basin Water Infrastructure Key Figures



Water Points No. of Water Points 11,957 No. of Taps 16,285 No. of Monitoring Stations: Weather Rainfall Hydrological Hydrogeological No. of Dams and Reservoirs 11,957 16,285 11,957 46,285
No. of Taps 16,285  No. of Monitoring Stations:  Weather 5  Rainfall 57  Hydrological 46  Hydrogeological 31
No. of Monitoring Stations:  Weather 5 Rainfall 57 Hydrological 46 Hydrogeological 31
Weather 5 Rainfall 57 Hydrological 46 Hydrogeological 31
Rainfall 57 Hydrological 46 Hydrogeological 31
Hydrological 46 Hydrogeological 31
Hydrogeological 31
, , ,
No. of Dams and Reservoirs 119
Reservoirs Capacity 119.2 mcm
Irrigation Schemes
No. 315
<b>Area</b> 51,872 ha
Irrigation Efficiency 30%
Main Crops (irrigated) Maize, Sorghum,
Wheat, Beans

Functioning Water Taps: 11,820 73%

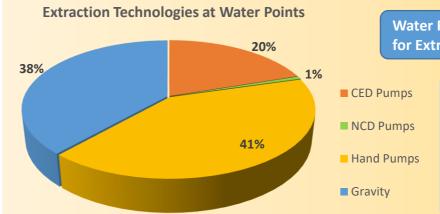


Average Gross Area per Water Point: 12 km<sup>2</sup>

Water Points Supplied by Groundwater and Springs

Rainwater Harvesting

77%



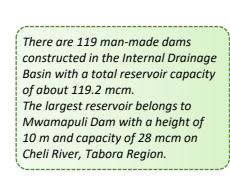
Water Points that Need Energy for Extraction of Water

nergy-Driven Pumps

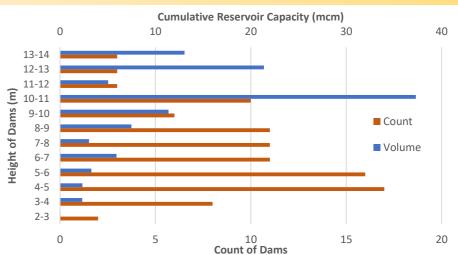
**CED Pumps:** Conventional Energy-Driven Pumps (includes Thermal Electricity, Hydroelectricity, Gasoline & Diesel)

**NCD Pumps:** Non-Conventional Energy -Driven Pumps (includes Solar Electricity, Windmill)

**Hand Pumps:** (includes Lever Pumps, Mono Pumps, Rope Pumps, Play Pumps)



Statistics of Dams in the Basin



Water supply access in Tanzania – mainly in rural areas – is realised through "water points", i.e. usually a public place for people to obtain clean water.

Water from water points is potable water consumed for the people or livestock. Means of access to water at the supply points are usually in form of communal standpipes. However, other shapes of access to water are present such as water kiosks, water tanks, hand pumps, developed or undeveloped springs, and cattle troughs.