

Tanzania's Total Irrigated Area:

460,300 ha

Share of Irrigated Area

**The Falkenmark Water Stress** 

Indicator

There is abundant "per capita" water in Lake Rukwa Basin

10%

Lake Rukwa Basin

Indication

Water Stress

Water Scarcity

Absolute

Water Scarcity

0.2%

Other Basins

6%

94%

< 1700

< 1000

< 500

Lake Rukwa Basin

1%

Domestic (54 mcm)

Irrigation (532 mcm)

Hydropower (0 mcm)

Industries & Mining (5 mcm)

Livestock & Aquaculture (13 mcm)

Ecosystem & Wildlife (4676 mcm)



Water

Resources

Division







Water Resource	s Division
Physiographic Profile	
Basin Area	77,900 km <sup>2</sup>
No. of Sub-basins	7
No. of Major Lakes	1
Protected Areas	
No.	61
Area	<b>23,940</b> Km <sup>2</sup>
Dominant Soil Texture	Sandy Clay Loam
Dominant Productive	Meta-Sediment/
Formation	Meta-Igneous
	Complexes
Mean Vegetation Index	0.33
Forest Cover Change	-0.32 %/vr
(2000-2015)	
Average Slope	5.67%
Altimetry	
Highest	<b>2,805</b> m.a.s.l*
Lowest	793 m.a.s.l
Mean Elevation	1,257 m.a.s.l

THE UNITED REPUBLIC OF TANZANIA

Ministry of Water

\* m.a.s.l: meters above mean sea level

Socio-Economic Profile (2019)	
Population	3.29 million
Population Density	42 person/km <sup>2</sup>
Water per Capita	<b>3,475</b> m³/yr

## Hydro-Climatic & Water Resources Profile\*

Average Precipitation	<b>951</b> mm/yr
Average Temperature	<b>21.4</b> °C
Average Evapotranspiration	
Potential	1,308 mm/yr
Actual	<b>769</b> mm/yr
Average Renewable Water	11,425 mcm/yr
Resources	
Surface Water	<b>9,288</b> mcm/yr
Groundwater	2,137 mcm/yr
Water Demands	
Averaged Total	5,280 mcm/yr
Human Consumptive	<b>606</b> mcm/yr
Water Resources	E 2 0/
Vulnerability Index	5.5 %
	DD 3015

\* According to Lake Rukwa Basin IWRMDP, 2015

Tanzania mainland is comprised of nine hydrologic basins. Lake Rukwa Basin occupies 8.4% of the area of the country, accommodating about 5% of mainland's population. The basin is in the form of a closed watershed that drains internally into Lake Rukwa. Located in the southwest Tanzania, Lake Rukwa Basin crosses the border with Zambia.

30°0'0"E

Legend Town/City - Main River Other/Small Rivers Basin Boundary Subbasin Boundar Lake/Ocean Subbasins Katuma Lake Shores

Muze Rungwa Songwe 30°0'0"E **=** 2250-3000

Katuma

Momba

Rungwa

Songwe

Lwiche

Muze

Luiche

Momba

e



Water Resources Division

1400

1300

1200

1100

1000

900

800

700 600

## Lake Rukwa Basin Water Resources Key Figures



## Lake Rukwa Basin Water Infrastructure Key Figures

water infrastructure Profile	
Water Points	
No. of Water Points	3,873
No. of Taps	5,094
No. of Monitoring Stations:	
Weather	8
Rainfall	9
Hydrological	25
No. of Dams and Reservoirs	4
Irrigation Schemes	
No.	91
Area	<b>28,944</b> ha
Main Crops (irrigated)	Maize, Cotton,
	Coffee, Sorghum

Water

Resources

Division







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.



Lake Rukwa Basin receives in average an annual precipitation of 75.1 km<sup>3</sup> out of which as much as 63.7 km<sup>3</sup> returns back to the atmosphere and 11.4 km<sup>3</sup> (about 15%) turns into surface and ground water as renewable freshwater resources.

is close to the mainland average.

