



Irrigation is the largest water user in Wami/Ruvu Basin. About 13% of the renewable water resources in the basin is required for satisfying irrigation demands, and less than 9% is currently utilised for domestic, industries, and livestock sectors. Nonconsumptive water uses include environmental flows and hydropower production that account for 11% of surface waters in the basin, making it the 3rd rank in water demands after irrigation and domestic sectors.

THE UNITED REPUBLIC Ministry of W Water Resources	OF TANZANIA ater <i>Division</i>	5°0'0"S
Physiographic Profile		
Basin Area	67,100 km ²	
No. of Sub-basins	7	
Protected Areas No. Area	35 8,007 Km ²	S0.0«9
Dominant Soil Texture	Sandy Clay Loam	
Dominant Productive Formation	Migmatite/ Granitoide/ Meta-Sediment Complexes	S0.0.1
Mean Vegetation Index	0.35	
Forest Cover Change (2000-2015)	- 0.94 %/yr	S0.0
Average Slope	7.5 %	8°0
Altimetry Highest Lowest Mean Elevation	2,636 m.a.s.l* 0 m.a.s.l 656 m.a.s.l	

Affected

8%

9%

73 %

Water Scarcity

82% of people in WRB are

confronted with different

24%

* m.a.s.l: meters above mean sea level Socio-Economic Profile (2019) **1750-2750** Population 10.6 million 1500-1750 **Population Density** 157 person/km² Water per Capita **484** m³/yr Ü

Hydro-Climatic & Water Resources Profile*

Average Precipitation	851 mm/yr
Average Temperature	23 °C
Average Evapotranspiration	
Potential	1,305 mm/yr
Actual	706 mm/yr
Average Renewable Water	5,127 mcm/yr
Resources	
Surface Water	3,988 mcm/yr
Groundwater	1,139 mcm/yr
Water Demands	
Averaged Total	1,426 mcm/yr
Human Consumptive	1,126 mcm/yr
Water Resources	77 a/
Vulnerability Index	22 70
* According to Wami/Ruvu Basin IWRM	IDP, 2015

Tanzania mainland is comprised of nine hydrologic basins. Wami/Ruvu Basin is the 3rd smallest basin that embraces about 7% of the area of the country. The basin is located in the midst area of eastern Tanzania, stretching in west-east direction. Waters that run from precipitation, flow eventually into Indian Ocean.

36°0'0"E

Legend

Town/City

— Main River

Lake/Ocean

36°0'0"E

1250-1500

1000-1250

750-1000

500-750

250-500

Coast

Lower Ruvu

Ngerengere

Upper Ruvu

Wami

Mkondoa

0-250



Wami/Ruvu Basin Water Resources Key Figures



Water Infrastructure Profile	
Water Points	
No. of Water Points	8,012
No. of Taps	11,905
No. of Monitoring Stations:	
Weather	11
Rainfall	46
Hydrological	43
Hydrogeological	26
No. of Dams and Reservoirs	167
Reservoirs Capacity	52.5 mcm
Irrigation Schemes	
No.	208
Area	29,920 ha
Irrigation Efficiency	25% - 30%
Main Crops (irrigated)	Maize, legume,
	Cotton, Coconut
	710/





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.





Wami/Ruvu Basin receives in average an annual precipitation of 57.3 km³ out of which as much as 52.17 km³ returns back to the atmosphere and 5.13 km³ (about 9%) turns into surface and ground water as renewable freshwater resources.

• Coast sub-basin as low as 10% of average