



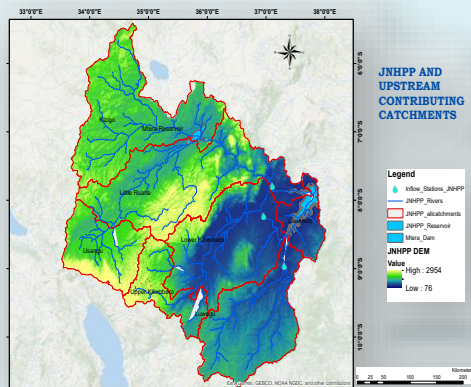
Monthly Hydrological Bulletin Report (JNHPP)

August (2026)

1 Summary of Water Status

The Julius Nyerere Hydropower Plant (JNHPP), situated at Stiegler's Gorge along the Rufiji River in Tanzania, receives inflows from three main rivers within the Rufiji Basin: the Great Ruaha, Kilombero and Luwegu. These rivers provide the inflows required for power generation and support agricultural, domestic, industrial, livestock and ecological water requirements.

By the end of August 2026, the combined inflow from the three main rivers into the JNHPP reservoir was reported to be 106% above the historical long-term average for the month. The observed condition was largely influenced by sustained inflows from the upper catchment areas and effective water-resource management across the Rufiji Basin.



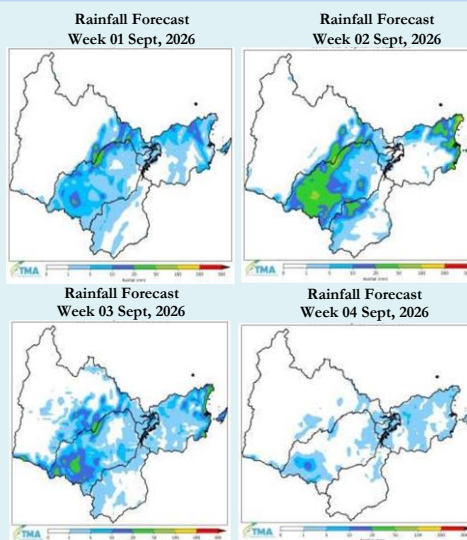
2 Weather Status

Rainfall – August 2026:

Rainfall records indicate that most parts of the Basin experienced dry conditions throughout August 2026. Consequently, surface runoff was limited, resulting in reduced flows in rivers and streams, particularly in watercourses that depend mainly on seasonal rainfall.

Weather Outlook – September 2026:

According to the Tanzania Meteorological Authority (TMA), light to moderate rainfall is expected across the Rufiji Basin during September 2026. The weekly rainfall distribution presented in the bulletin indicates variability in rainfall occurrence across the basin.



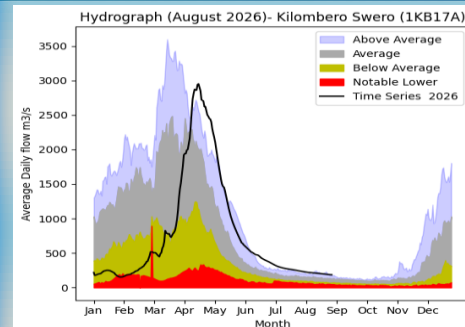
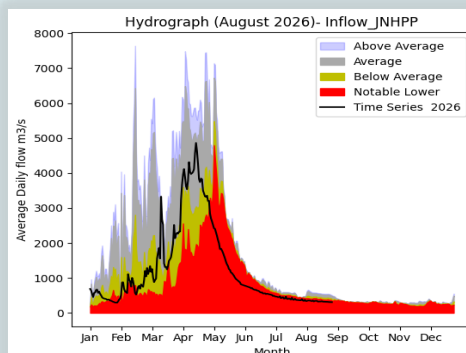
3 River Flow Status

Average river flows during August 2026 were mixed, with above-average flows recorded at Great Ruaha and Kilombero, while Luwegu recorded a notably lower flow. Table 1 presents a comparison of average river flows recorded in August 2026 against the long-term average for the same period.

Table 1: Water Flow Statistics Analysis August 2026

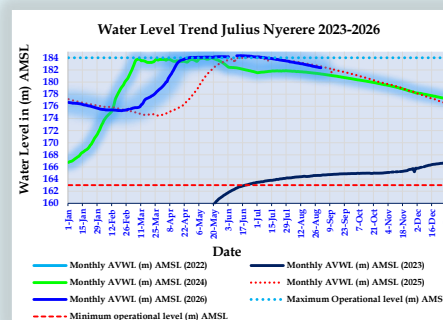
No.	Station Code	River	Average Flow (m³/s) – August 2026	LTA - August (2000–2025)	Remarks
1	1KA3B	Great Ruaha at Msolwa	106.95	68.76	Notable High
2	1KB17 A	Kilombero at Swero	207.90	138.66	Above Average
3	1KC3A	Luwegu at Mbarang'andu	5.5	45.53	Notable lower

Inflow to the JNHPP reservoir showed a gradual decline toward the end of August 2026. Despite this, the reservoir remained relatively stable, although the water level was 0.52 m below the long-term average at the end of the month.



4 Reservoir Water Status

- The JNHPP reservoir level remained slightly below the long-term average during August 2026, consistent with dry-season conditions, while effective water management and power plant operations supported stable reservoir levels.
- By the end of August 2026, the JNHPP reservoir water level was 182.35 m amsl, which was 0.52 m below the long-term average of 182.87 m amsl, equivalent to 99.72% of the long-term average. The reservoir level remained relatively stable during the month.



5 Recommendations

- Continue effective water management and dam operation to ensure sufficient water is maintained for power generation and other water needs.
- Consider the El Nino rainfall forecast issued by TMA when making decisions on dam operation and water management, including releasing excess water safely without affecting infrastructure and communities downstream of the dam.