



Form B8

HYDROLOGICAL QUARTERLY REPORT

April - June

2026

Prepared by:

Lake Victoria Basin Water Board

June, 2026

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1.0 Executive summary

The purpose of this Water Status Report is to provide an overview of the water situation in the Lake Victoria Basin during the months of April, May, and June of 2026.

The Lake Victoria basin encompasses five primary catchments: Kagera to the west, Mara to the east, Isanga and Magogo-Moame in the south and Simiyu in the South-East of the lake, with Lake Victoria situated at the Centre.

During this reporting period of April to June 2026, the Lake Victoria Basin experienced a rainfall below Normal, below the long-term average by 30.2%, which indicates partial distribution across the basin. Likewise, the report focuses on the flow of some rivers within the basin which includes the Ngono, Ruvuvu, Kagera, Mara, Grumeti, Simiyu, and Duma rivers. Notably, all rivers within the Kagera catchment exhibited an upward trend in flow, but indicating lower rainfall levels compared to historical records, with most rivers surpassing past averages.

Moreover, the gauges monitoring New Sola dams displayed a slightly increasing in trend in water Volumes, while Manchira dam decreasing in trend in water Volumes compared to the records from previous years for the same period. This suggests favorable water storage conditions within the basin during this reporting period

Furthermore, the lake levels in 2026 decreased by approximately 0.1% compared to the corresponding period in 2025. Despite this decline, the average water level of 1134.502 m amsl remained approximately 0.08% above the long-term average of 1133.545 m amsl (2010-2025) also the basin experienced overall evaporation rates that were lower than the long-term average.

2.0 Description of Water Resources Monitoring Network

The Lake Victoria Basin Water Board has 42 rainfall stations and 21 meteorological stations; among those stations, only 38 rainfall stations and 15 meteorological stations are working. Also, the basin has 28 hydrometric stations where 19 are in rivers, 3 in dams, 6 in Lake Victoria and satellite lakes, and 13 are monitoring boreholes. **Figure 2.1** shows the spatial coverage of Rainfall stations, meteorological stations, Hydrometric stations, and monitoring Boreholes.

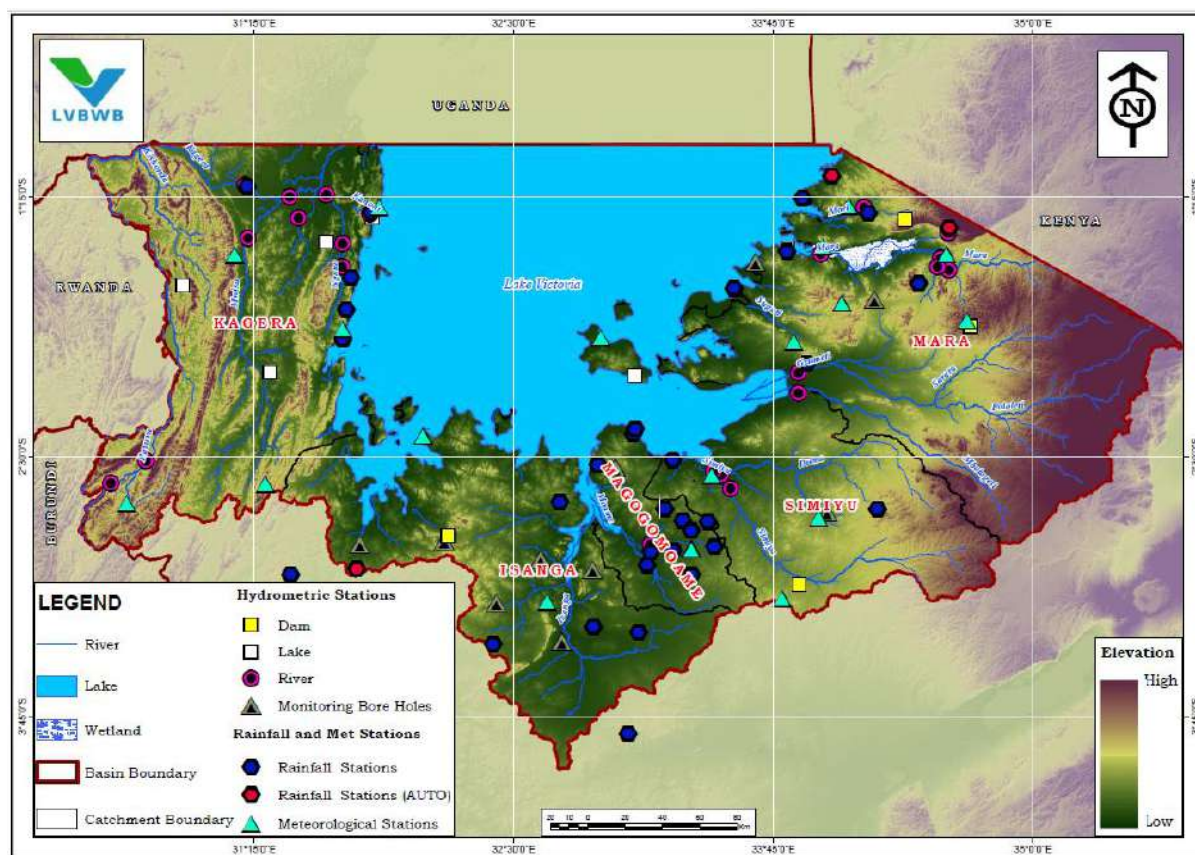


Figure 2.1: Water resources monitoring network

3.0 Rainfall Status

In this reporting period of April to June, 2026, a quarterly average total rainfall record across the basin was **65mm** which is within a range that varies from **6.8mm** to **114mm**. April was the wet month compared to the other months with a total Average rainfall of **114mm**. However, the average total rainfall received in this reporting period is less than the long-term average rainfall [Figure 3.1a and Figure 3.1b].

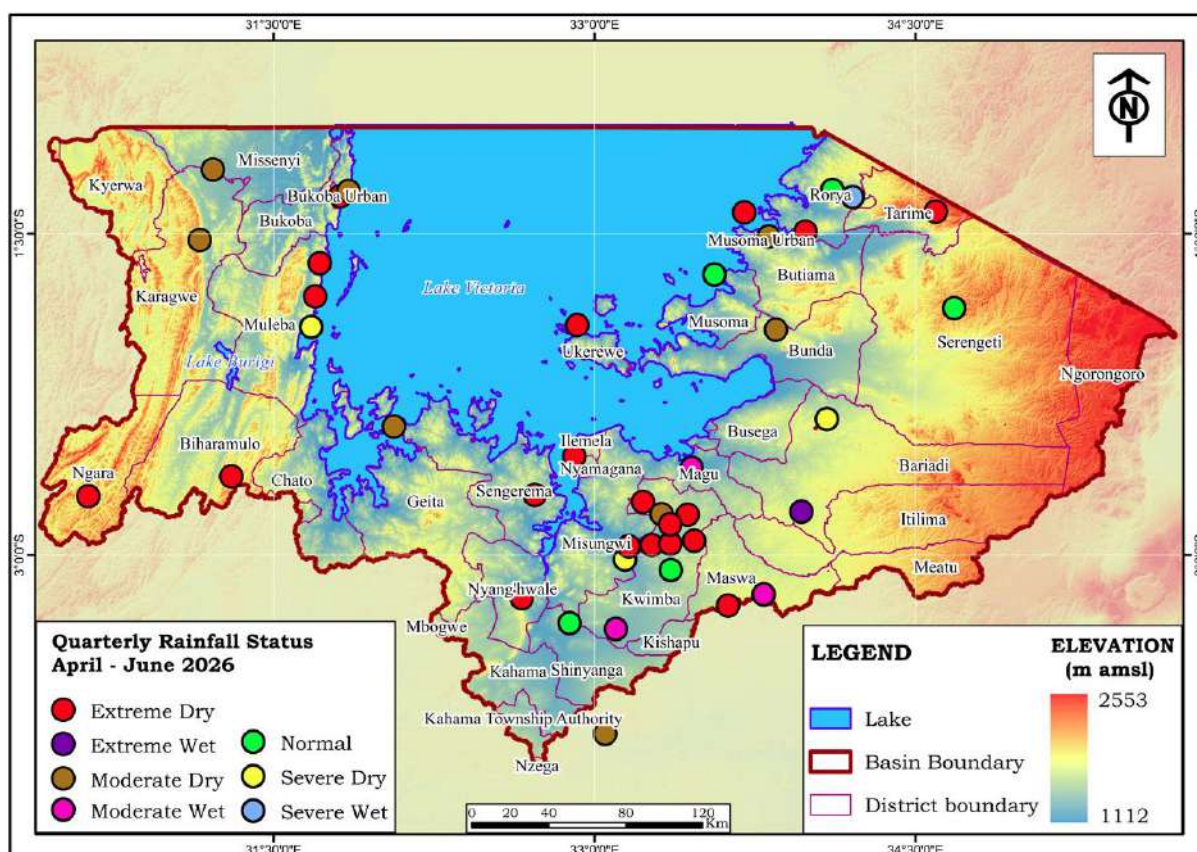


Figure 3.1a : Status of Rainfall received per each station

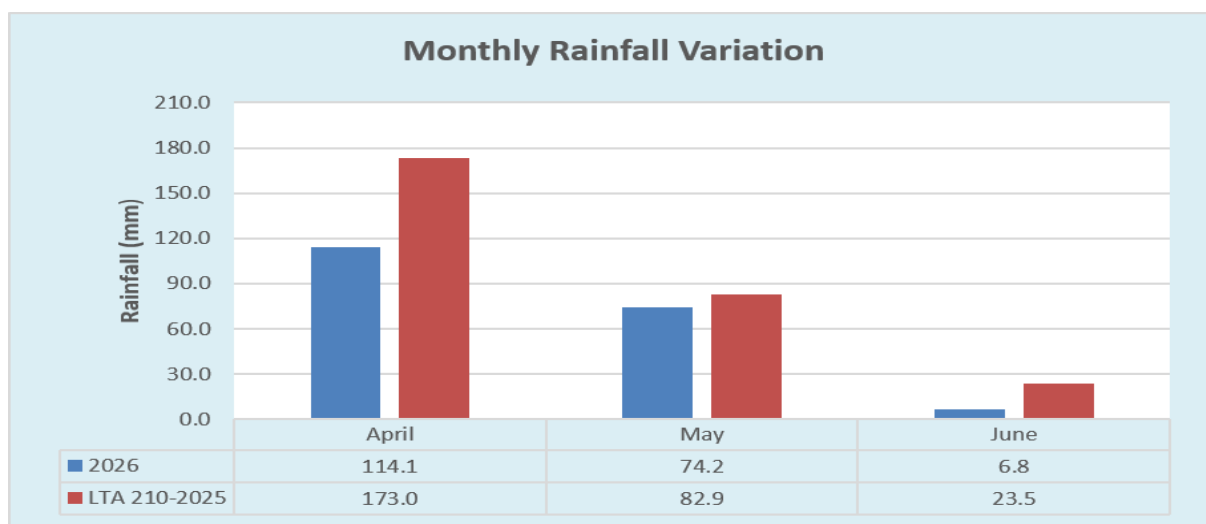


Figure 3.1b: Average total monthly rainfall across the basin

Figures 3.2 and 3.3 provide a good description of the spatial distribution of rainfall for this reporting period and LTA rainfall, respectively. Precipitation ranged from 128 to 269 mm in most regions during this quarter. Rainfall station data, which all recorded rainfall below normal in comparison with LTA rains, supports this observation.

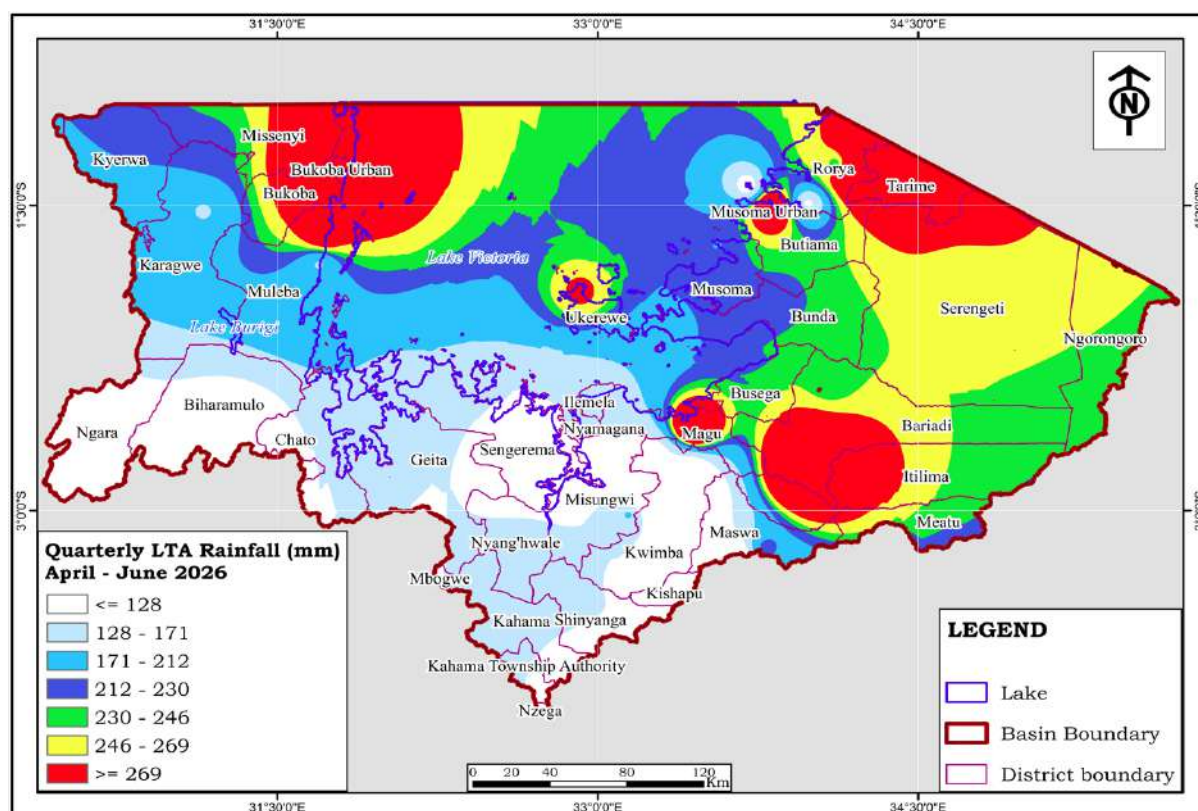
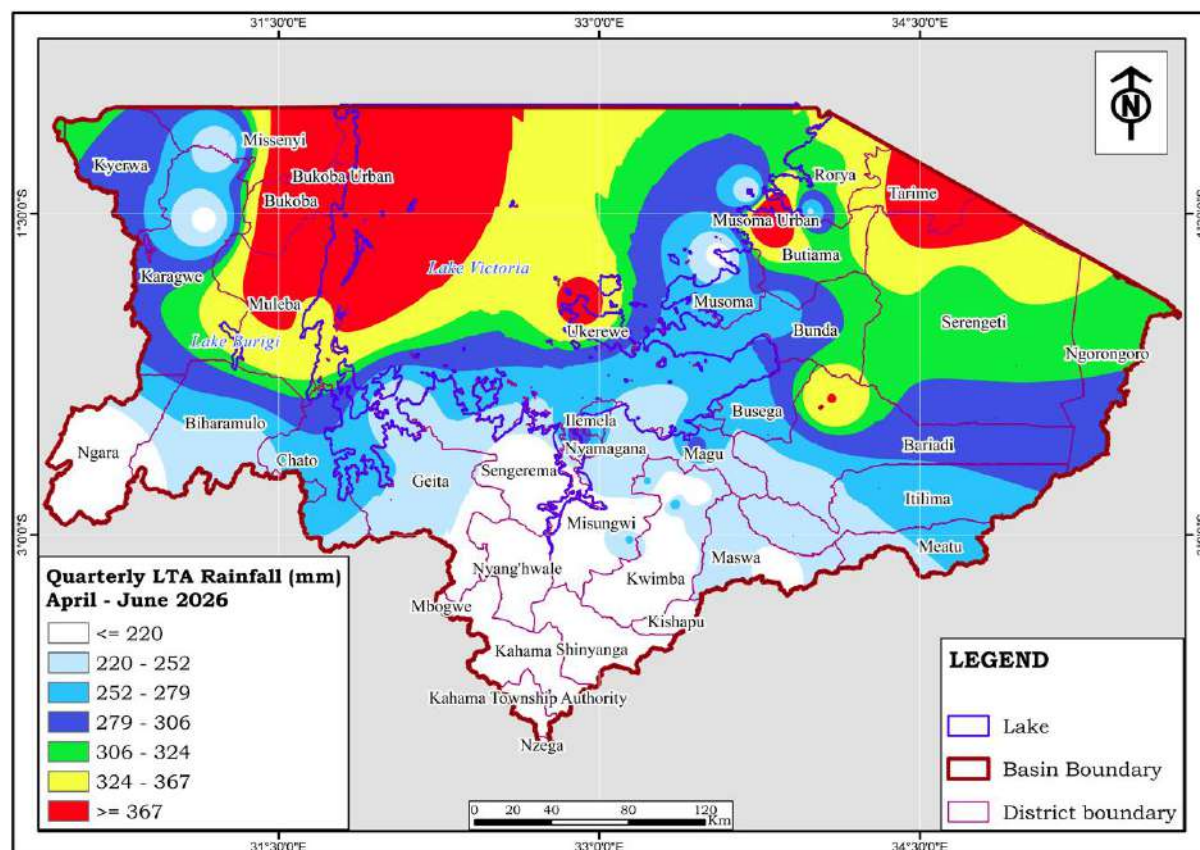


Figure 3.2: Quarterly Rainfall Spatial Distribution**Figure 3.3: LTA Quarterly Rainfall**

4.0 Evaporation

During this reporting period, the total monthly evaporation in the basin ranged from **88mm** to **115mm**, with an average of **99mm** per month. The lowest evaporation occurred in April while the highest was recorded in June 2026. Compared to the same period in the long-term span from 2011 to 2025, the recorded evaporation in this reporting period is less than the LTA (**Figure 4.1, and Table 4.1**). The spatial distribution of evaporation throughout the Basin is well indicated in (**Figure 4.2**).

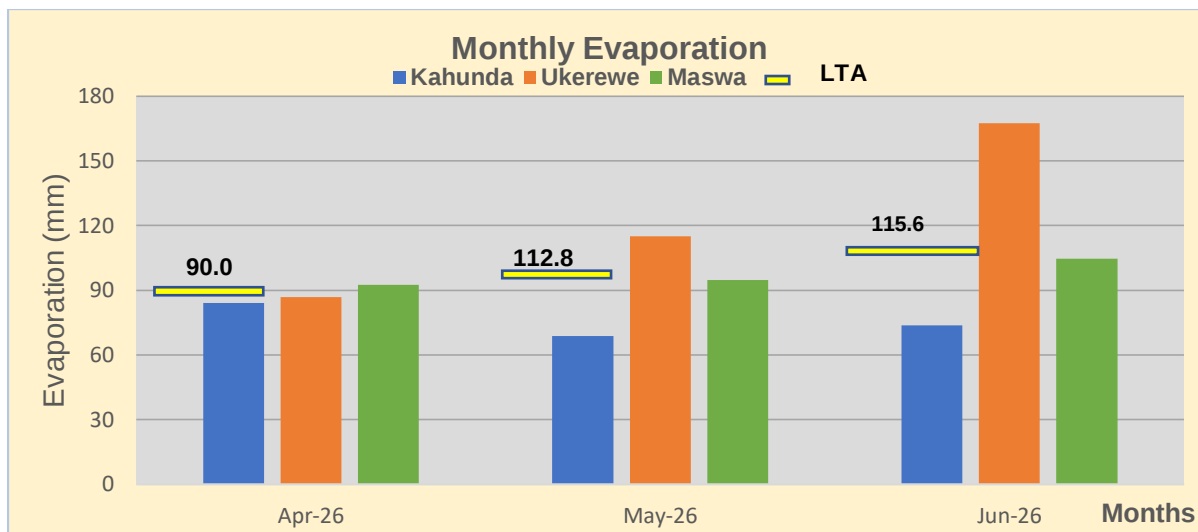


Figure 4.1: Trend of Evaporation in some parts of the Lake Victoria Basin

Table 4.1: Monthly and LTA Evaporation

Monthly Evaporation (mm)	April 2026	May 2026	June 2026	Quarterly Sum
Kahunda	84.2	68.7	73.6	226.5
Maswa	92.5	94.8	104.5	291.8
Ukerewe	86.78	115	167.35	369.1
LTA	90.0	112.8	115.6	318.4

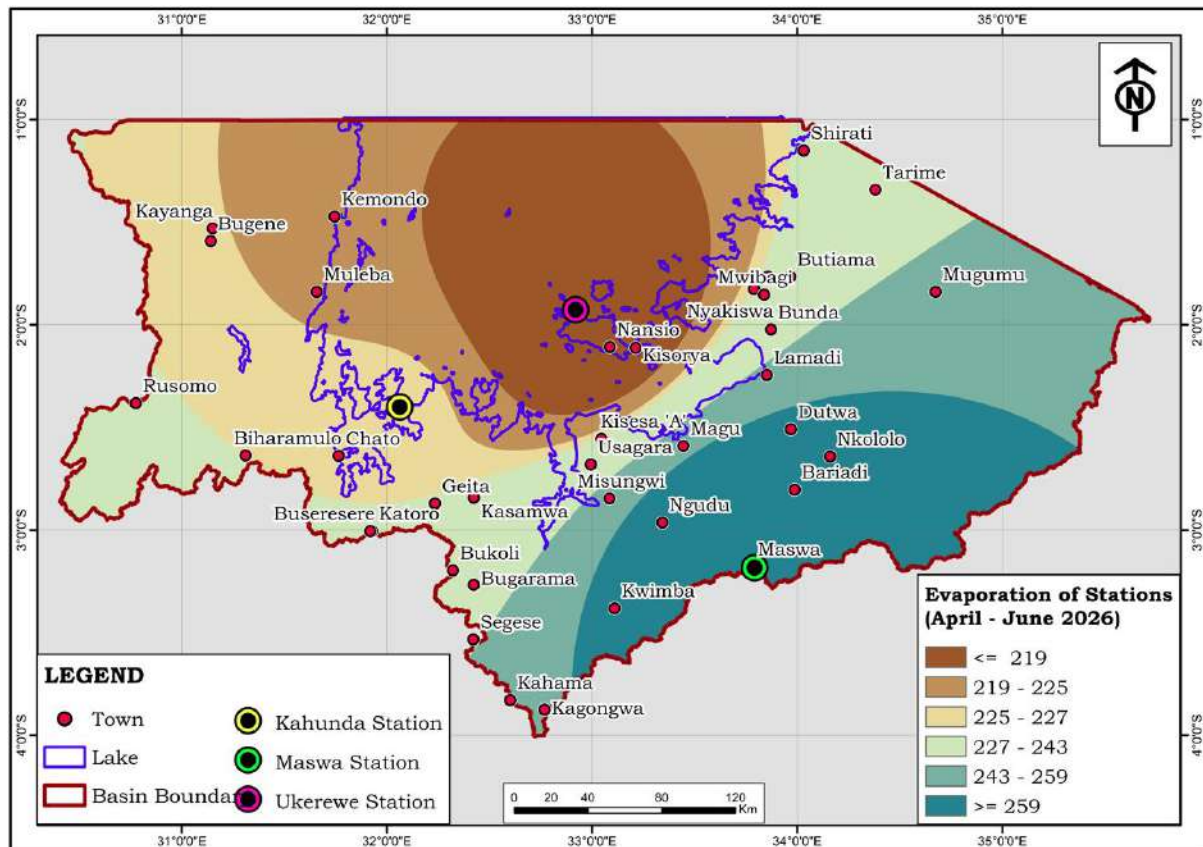
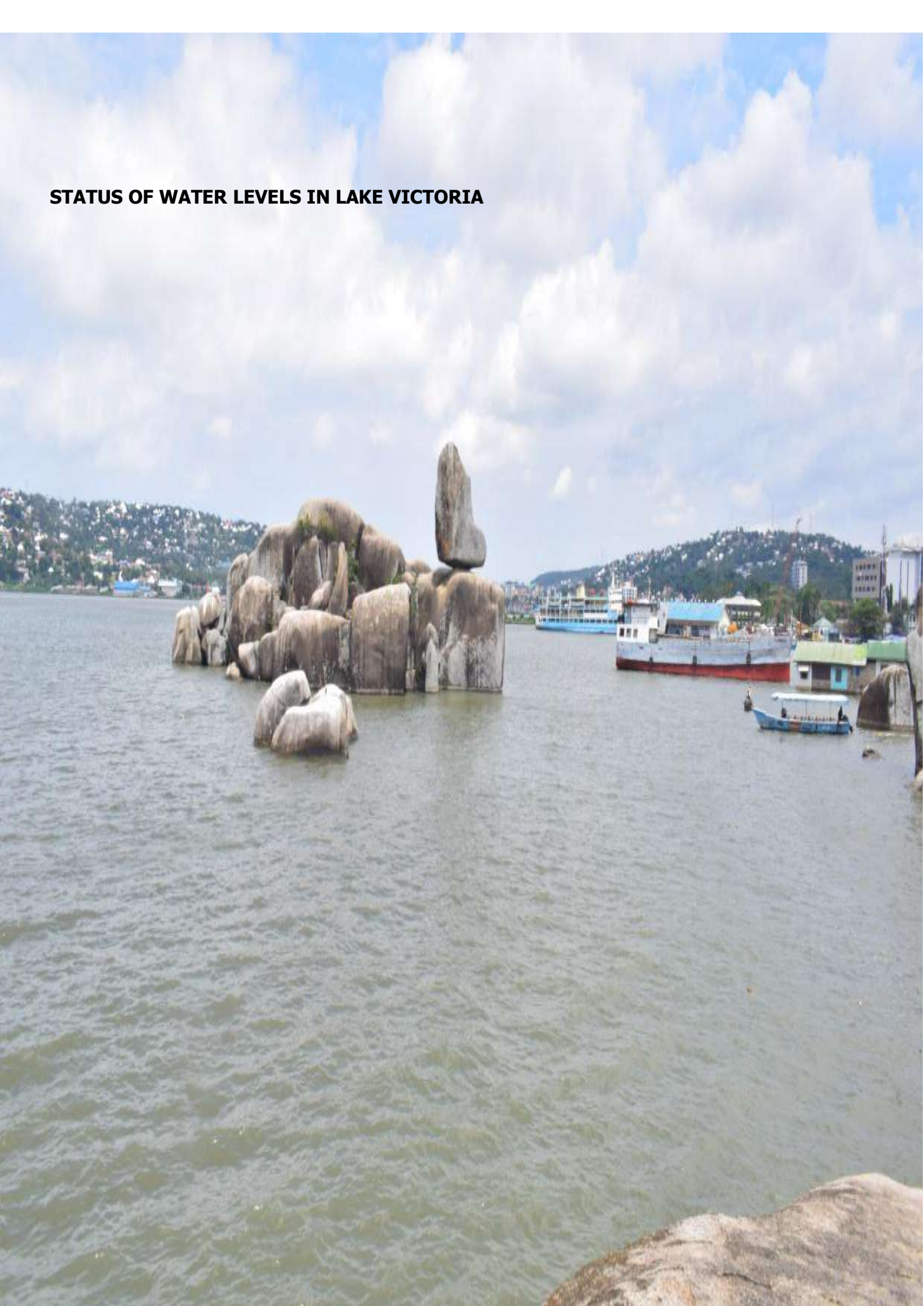


Figure 4.2: Spatial Distribution of Evaporation in the Basin

STATUS OF WATER LEVELS IN LAKE VICTORIA



5.0 Water levels status in Lake Victoria

Lake Victoria's water level declined between April and June 2026, decreasing from 1134.545 m above mean sea level (amsl) in 2025 to 1134.502 m amsl in 2026, representing a decline of 0.043 m (4.3 cm), as illustrated in Figure 5.1. Overall, the lake level in 2026 decreased by approximately 0.1% compared to the corresponding period in 2025. Despite this decline, the average water level of 1134.502 m amsl remained approximately 0.08% above the long-term average of 1133.545 m amsl (2010-2025)

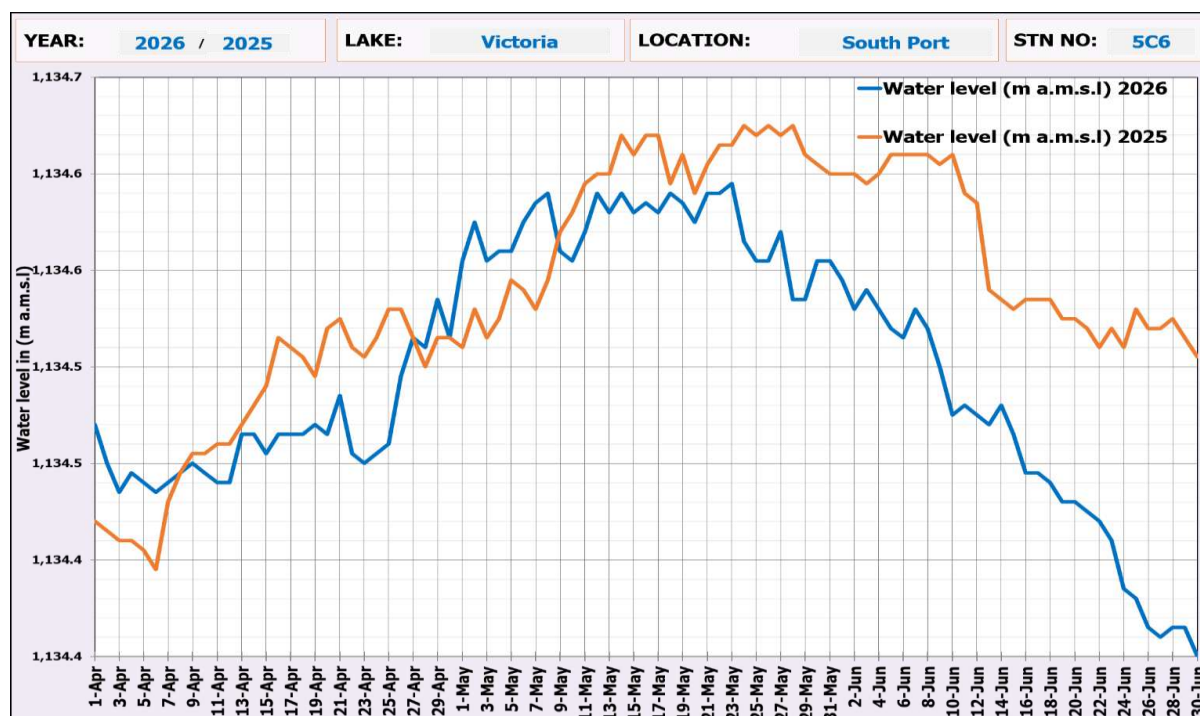


Figure 5. 1: Lake Victoria water level

Table 5.1: Lake Victoria Monthly Lake Levels

Water Level (m amsl)	April	May	June
2025	1134.48	1134.59	1134.56
2026	1134.47	1134.58	1134.46

6.0 Water flows in the rivers

This report provides water status updates for the Kagera, Ngono, Ruvuvu, Mara, Simiyu, and Duma rivers for the period of April to June 2026. The observed flow rates in these rivers have been compared with historical averages spanning the recorded historical data.

6.1 Rivers in Kagera Catchment

The water flow in the Kagera River exhibited an upward trend, rising from 263.23 cubic meters per second (m^3/s) in 2025 to 269.84 m^3/s in 2026, marking an increase of 6.6 m^3/s . This flow represents a discharge rise of 6.6 m^3/s , equivalent to 2.5%, compared to the long-term average (266 m^3/s), as illustrated in **Figure 6.1**.

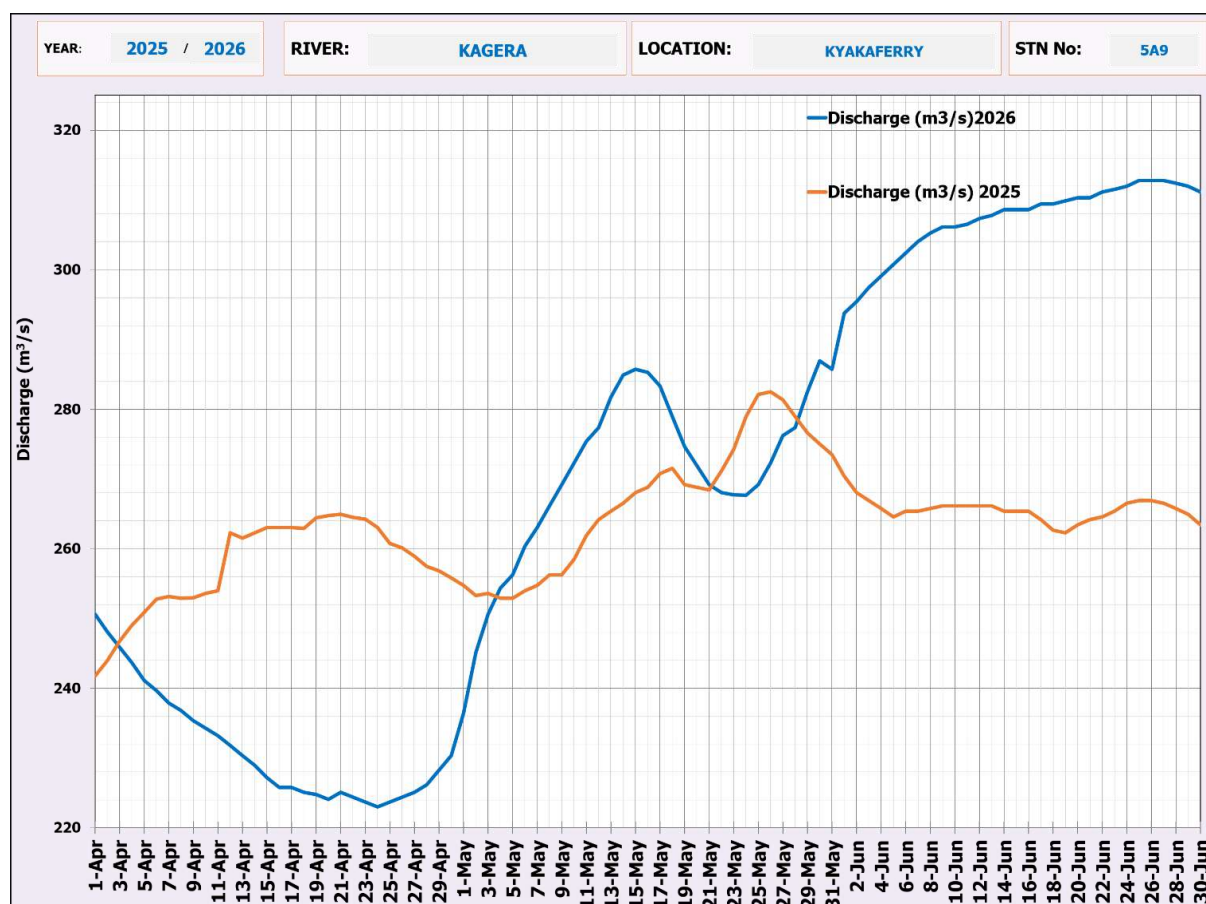
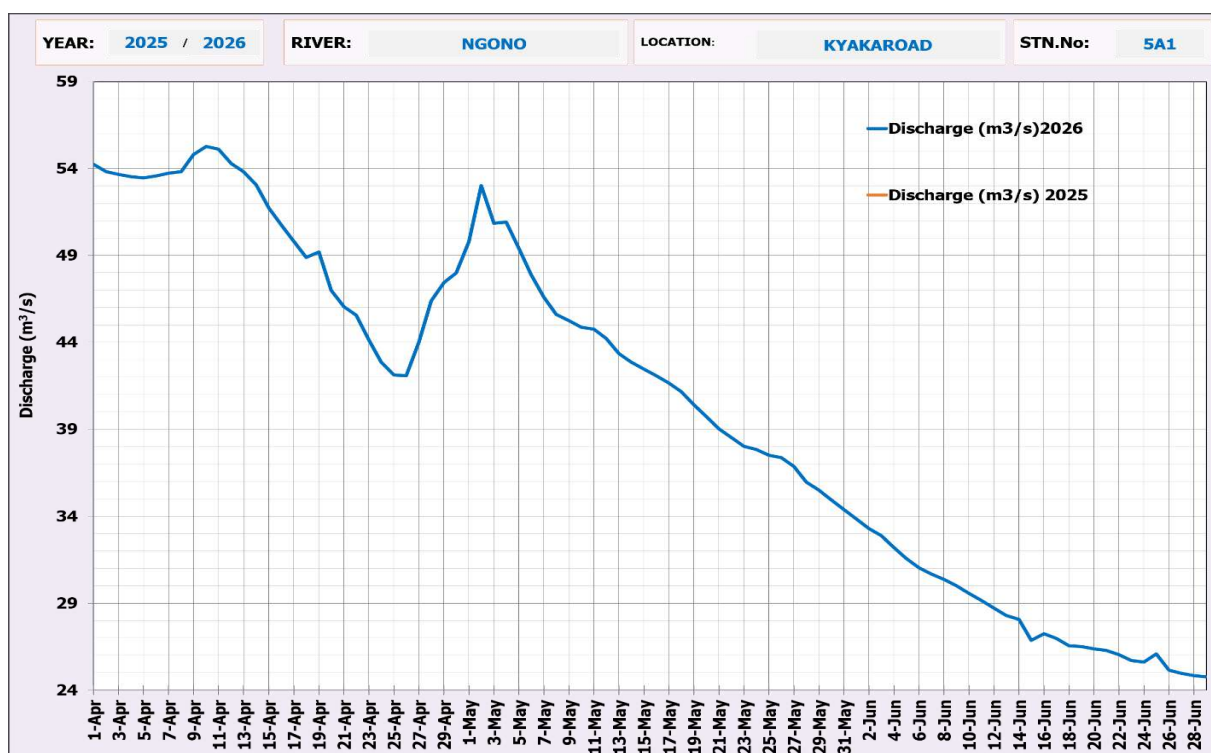


Figure 6. 1: Kagera River at Kyaka Ferry flows status

Table 6.1: Average Monthly flow records for Kagera River at Kyaka Ferry

Flows (m ³ /s)	April	May	June	Average
2026	231.48	270.85	307.20	269.84
2025	257.53	266.62	265.55	263.23

The Ngonzo River's water flow showed decreasing trend, from 49.9 m³/s in April to 28m³/s in June. As shown in **Figure 6.2**,

**Figure 6.2:** Ngonzo River at Kyaka flows status

Flows (m ³ /s)	April	May	June	Average
2026	49.97	42.25	28.04	40.9
2025	-	-	-	-

The water flow in the Ruvuvu River displayed an upward trend, rising from 126 cubic meters per second (m^3/s) in 2025 to 144 m^3/s in 2026, increasing to 18 m^3/s . This increase indicates a discharge rise of 18 m^3/s , equivalent to 27% above the long-term average (67 m^3/s), as depicted in **Figure 6.3**

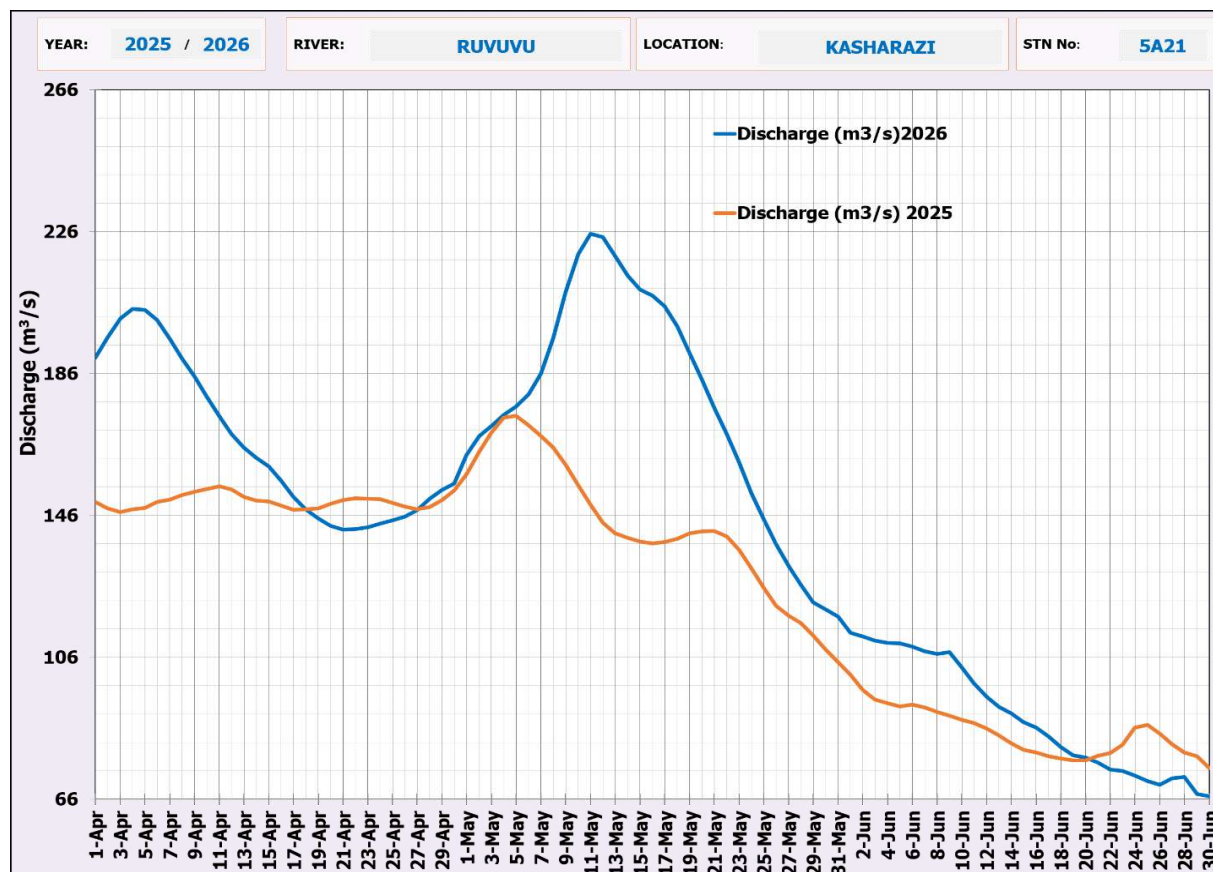


Figure 6.3: Ruvuvu River at Kasharazi flows status

Flows (m^3/s)	April	May	June	Average
2026	166.27	176.87	89.25	144.13
2025	149.96	142.67	84.93	125.85

6.4 Rivers in Mara Catchment

During the reporting period, the average flow of the Grumeti River was 30.66 cubic meters per second (m^3/s), while in the same quarter of the long-term average, it was $27.67 \text{ m}^3/\text{s}$. **Figure 6.4** shows that the Surge of this reporting period (AMJ) is higher than the Surge of 2025 for the same period, even though this reflects an increase of $3 \text{ m}^3/\text{s}$, or 10% below the long-term average.

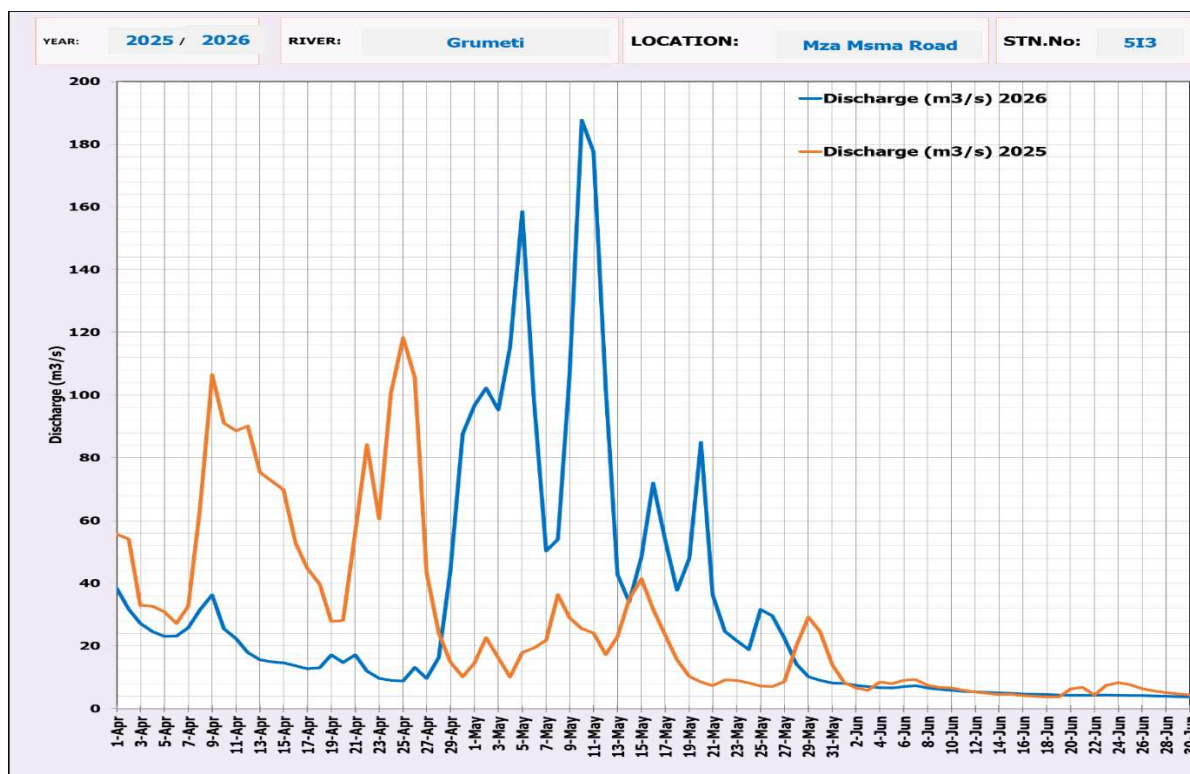


Figure 6. 4: Grumeti River flows status

Flows (m^3/s)	April	May	June	Average
2026	22.4	64.27	5.31	30.66
2025	57.85	18.99	6.18	27.67

In comparison to the corresponding quarterly average of previous years (LTA), which was 56.95 m³/s, the Mara River's average flow during this reporting period (2026) was 52.09 m³/s. **Figure 6.4** shows that this is a 7.6% decline from the long-term average equivalent to a flow of 4.53 m³/s.

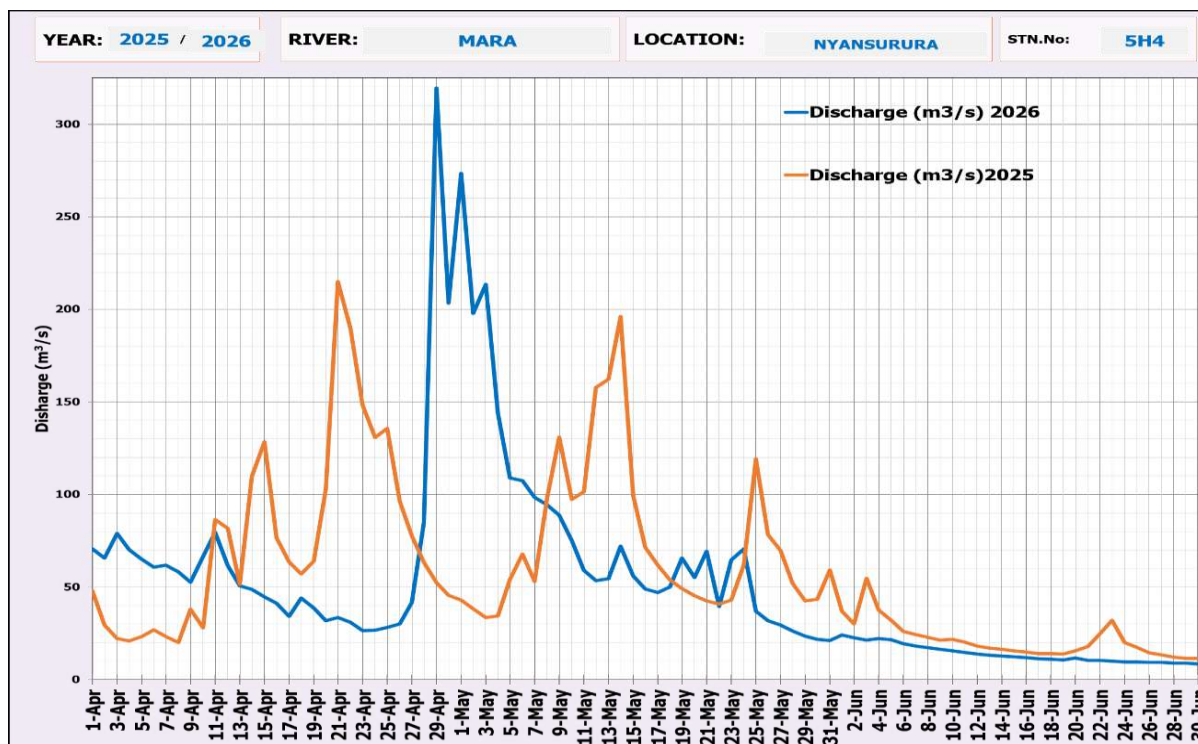


Figure 6. 5: Mara River flows status

Flows (m3/s)	April	May	June	Average
2026	65.02	77.38	13.87	52.09
2025	75.22	74.24	21.40	56.95

In the April to June quarter of 2026, the average flow of the Mara River was 52.09 cubic meters per second (m³/s). However, the corresponding quarter's average of past years (LTA) was 56.95 m³/s. This indicates a decline of 4.53 m³/s, equivalent to 7.5% less than the historical average, as depicted in **Figure 6.5**.

6.7 Rivers in Simiyu Catchment

The average flow of the Simiyu River from April to June 2026 was 3.63 cubic meters per second (m^3/s), which was below than the quarterly average of previous years (LTA) of $17.97 \text{ m}^3/\text{s}$. As illustrated by **Figure 6.6**, the flow corresponds to a 79.8% percent decrease over the average or $14.34 \text{ m}^3/\text{s}$.

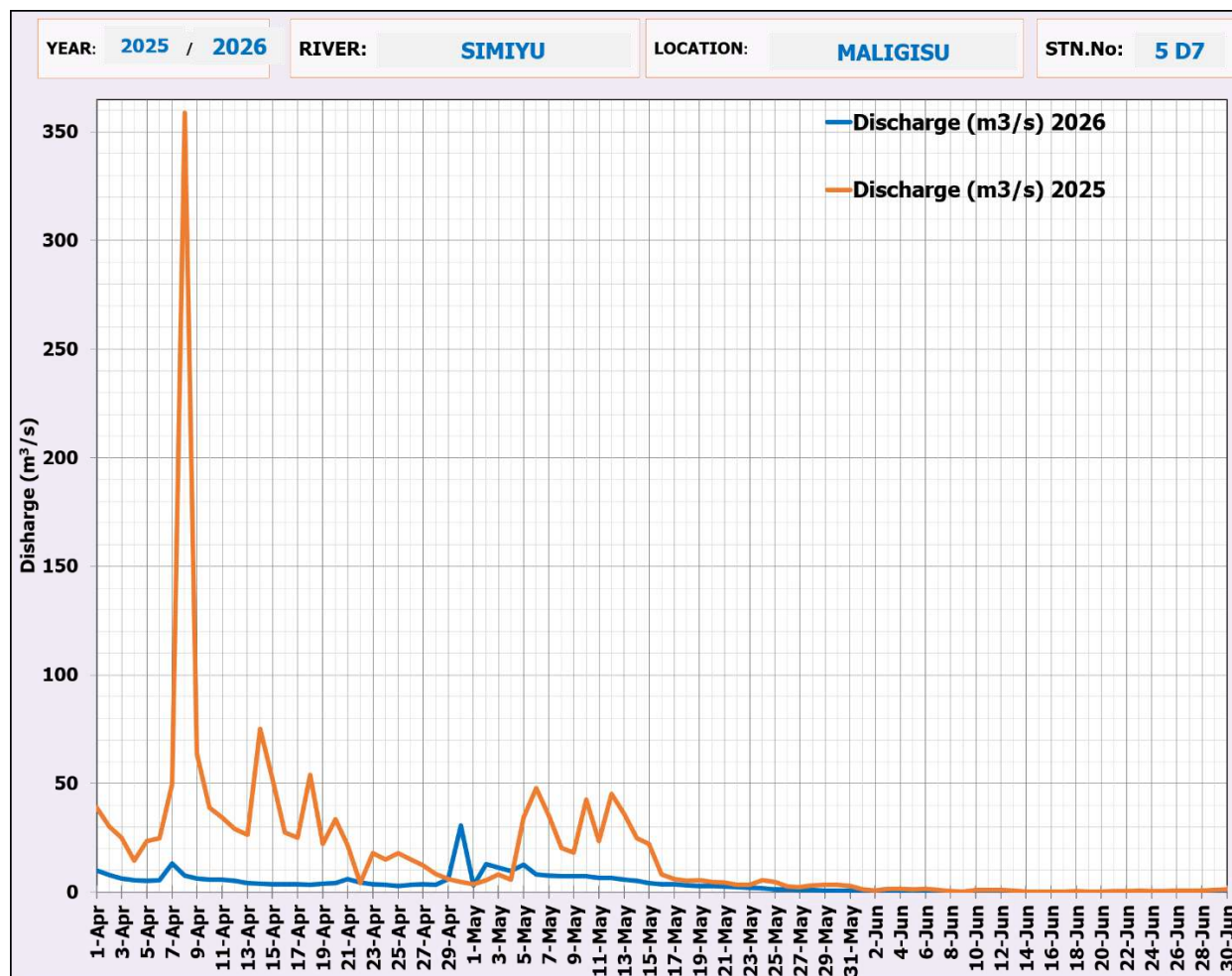


Figure 6. 6: Simiyu River flow status

Flows (m3/s)	April	May	June	Average
2026	6.01	4.69	0.19	3.63
2025	39.03	14.17	0.7	17.97

During the April to June of 2026, Duma River exhibited an average flow of 7.01 cubic meters per second (m^3/s), contrasting with the corresponding quarterly average of past years (LTA), was 22.3 m^3/s . This represents a decrease of 15.29 m^3/s , equivalent to 68.6% less than the reported average for this period, as depicted in **Figure 6. 8**

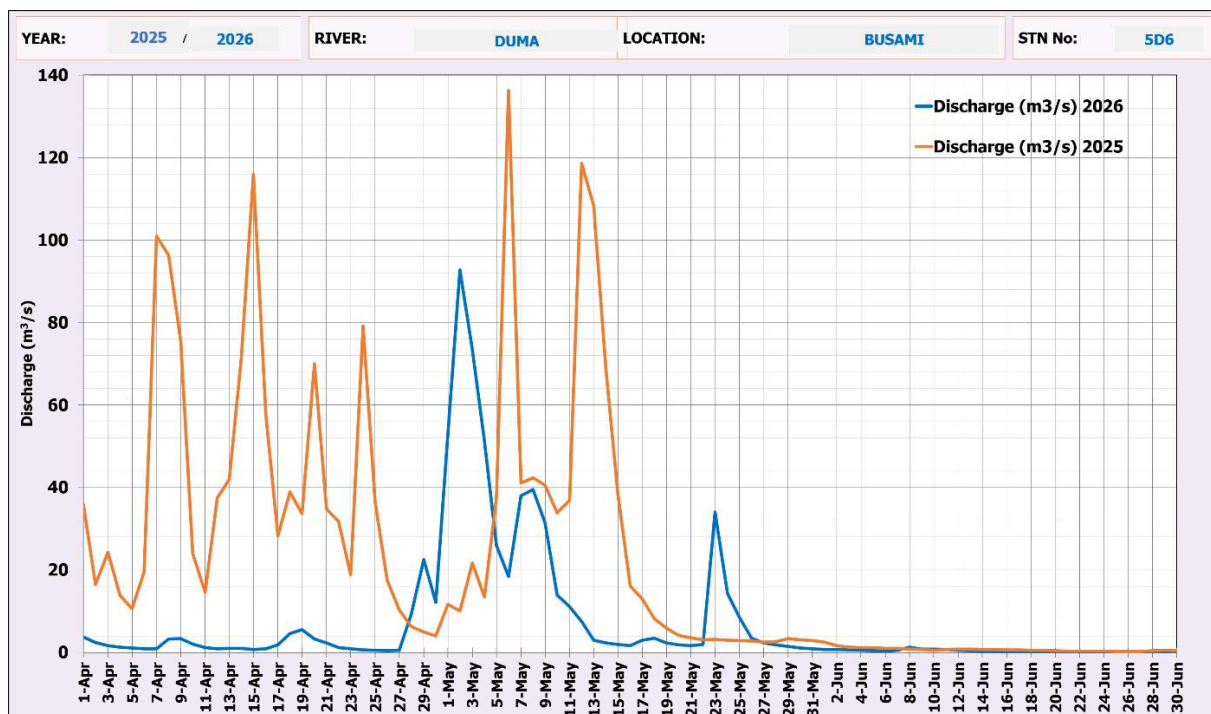


Figure 6. 5: Duma River flow status

Flows (m^3/s)	April	May	June	Average
2026	3.06	17.64	0.32	7.01
2025	39.06	27.11	0.73	22.3

7.0 Water Level and Volume of the Dams

7.1 Manchira Dam

The volume trend in Manchira Dam for this reporting period (April to June) of 2025 and 2026 was noted to be similar but with distinct patterns. In 2026, the dam stored a volume of 3.727 million cubic meters (Mm³), which is 0.004% less than the average volume for the year 2025, as illustrated in **Figure 7.1**.

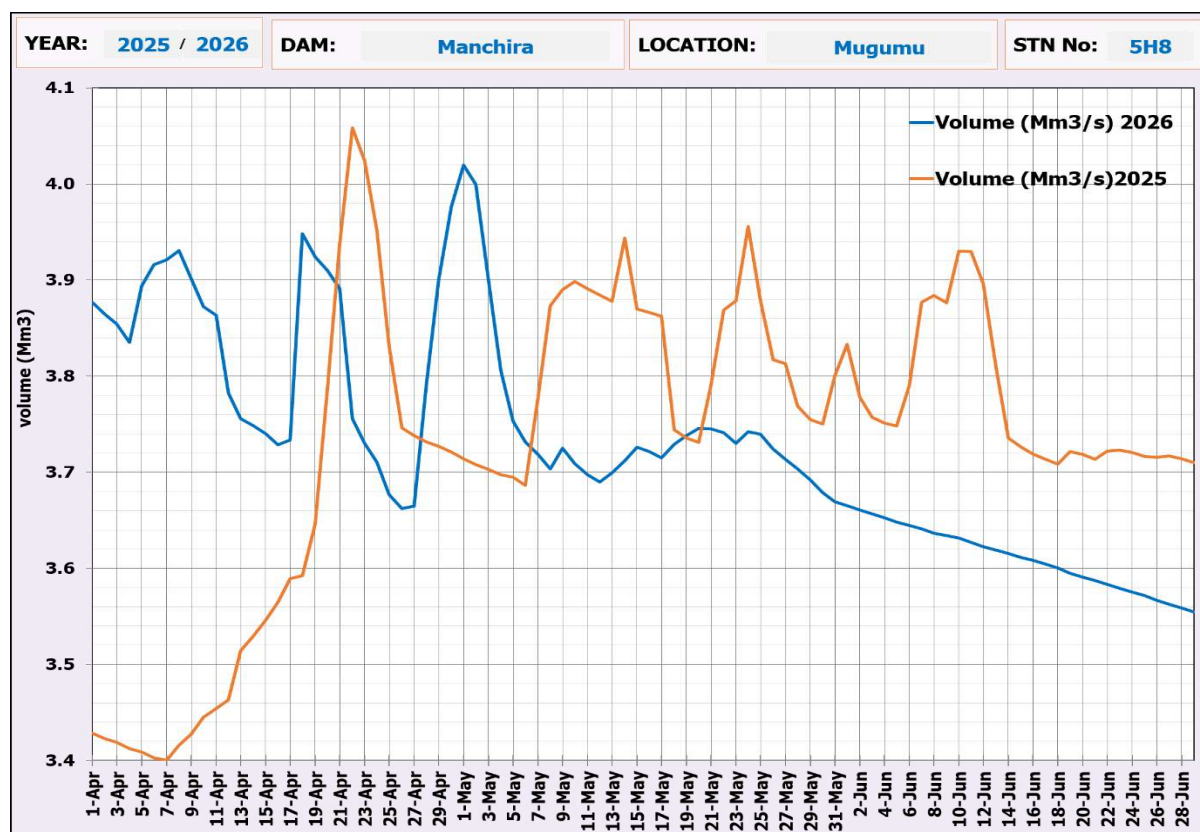


Figure 7. 1: Manchira Dam water volume status

Volume (Mm3)	April	May	June	Average
2026	3.83	3.75	3.61	3.73
2025	3.61	3.81	3.77	3.73

7.2 New Sola Dam

During the period of April to June 2026, the New Sola Dam stored a volume of 4.81 million cubic meters (Mm³), marking a 1% increase compared to the same quarter in 2025, as shown in **Figure 7.2**.

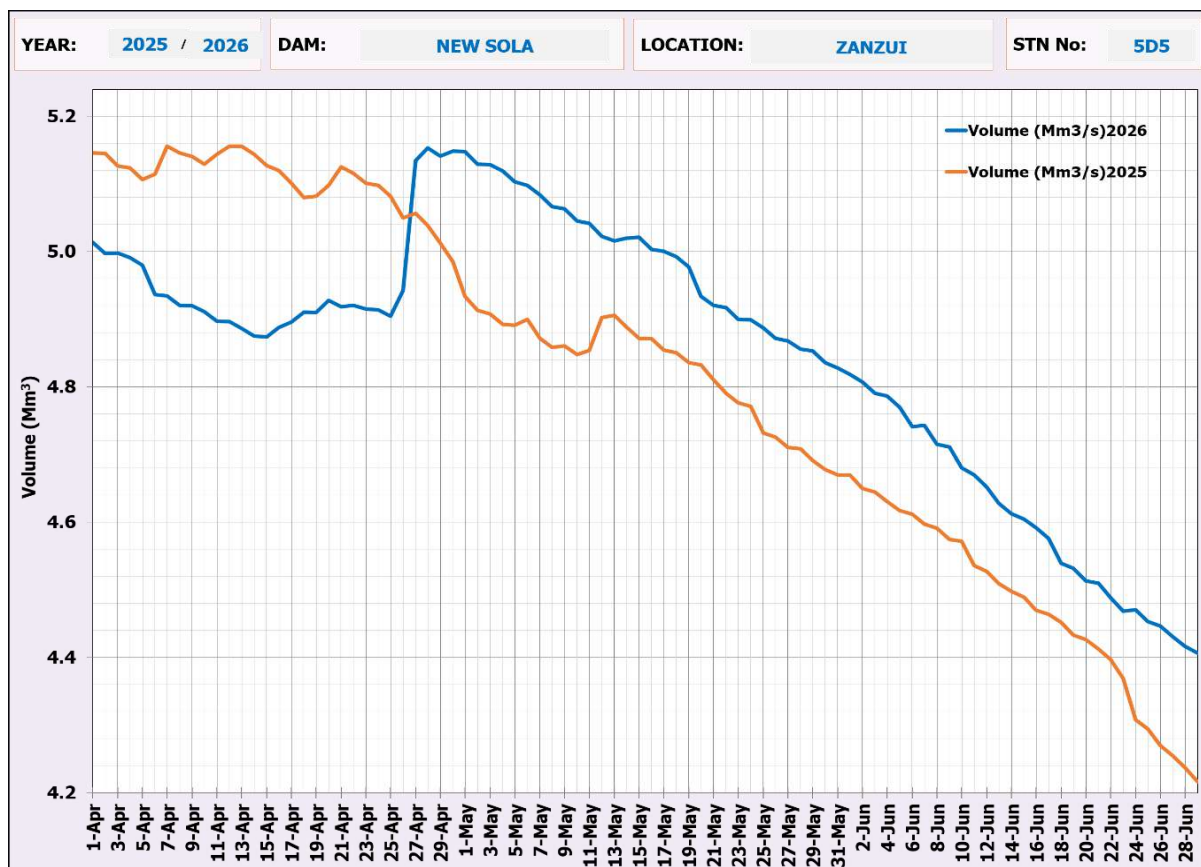


Figure 7.2: New Sola dam water volume status

Volume (Mm ³)	April	May	June	Average
2026	4.92	4.95	4.56	4.81
2025	5.07	4.79	4.42	4.76

8.0 Conclusion

Overall, water resources in the Lake Victoria Basin remained adequate to meet existing water demands during the April–June 2026 period. Although water availability declined slightly in June following reduced rainfall, Evaporation rates were still below normal, Lake Victoria water levels remained above the long-term average, and dam storage was sufficient. While the risk of flooding was elevated during the peak of the wet season, no water stress was experienced. Stakeholders are encouraged to continue using water in accordance with permit conditions and to promote water conservation to ensure the sustainable management of water resources.

Appendices

Appendix I: Rainfall Data

Table 1: Average monthly rainfall across the basin.

Rainfall (mm)	April	May	June	Quarterly Average
LTA (2010-2025)	173.0	82.9	23.5	93.1
2026	114.1	74.2	6.8	65.0

Table 2: Average monthly rainfall data per station across the basin

No.	Station Name	Latitude	Longitude	Quarterly LTA	Quarterly Rainfall 2026(mm)	Status
1	Biharamulo	-2.63177	31.30299	228.2	38.5	Extreme Dry
2	Bitaraguru	-1.94746	33.84818	265.5	224.9	Moderate Dry
3	Bugisi	-3.83333	33.05	138.2	101	Moderate Dry
4	BUKOBA MAJI	-1.32359	31.81231	810.7	604	Extreme Dry
5	Busulwangili	-2.71811	32.72105	145.1	27.7	Extreme Dry
6	Bwai	-1.69	33.56067	203.9	212.1	Normal
7	Chanongu	-2.80764	33.31364	146.1	108.4	Moderate Dry
8	Izigo	-1.63711	31.71619	615.7	330.4	Extreme Dry
9	Kahunda	-2.3994	32.06258	224.4	157.8	Moderate Dry
10	Kayanga	-1.52859	31.15545	208.4	169.2	Moderate Dry
11	Keisangora	-1.3968	34.59483	554.8	351.8	Extreme Dry
12	Kharumwa	-3.19982	32.66007	213.7	144.3	Extreme Dry
13	Kidinda	-2.79651	33.96718	245	680.3	Extreme Wet
14	Kikubiji	-3.34383	33.10014	161.1	125.5	Moderate Wet
15	Kikuku	-1.79222	31.69492	476.8	168.2	Extreme Dry
16	Kisesa	-3.01953	33.14244	261.1	178.4	Severe Dry
17	Kuruya	-1.48981	33.98613	248.9	121.7	Extreme Dry

18	Kyakakera Met	-1.3	31.85031	291.8	217.4	Moderate Dry
19	Lukuba Island	-1.4	33.7	215.9	103.6	Extreme Dry
20	Magu	-2.59156	31.30299	291.4	491.1	Moderate Wet
21	Maswa	-3.18244	33.05	199.6	222.8	Moderate Wet
22	Matongo	-2.36446	31.81231	369	232.8	Severe Dry
23	Mugumu	-1.84707	32.72105	309.3	258	Normal
24	Musoma Maji	-1.51272	33.56067	556.7	381.4	Moderate Dry
25	Mwabagole	-3.06894	33.31364	208.3	123.7	Normal
26	Mwadubi	-2.95225	31.71619	182.6	57.2	Extreme Dry
27	Mwanangwa	-2.95792	32.06258	193.9	110	Extreme Dry
28	Mwanza Yard	-2.538	31.15545	292.5	133.9	Extreme Dry
29	Ngudu	-2.94605	34.59483	212.4	104.9	Extreme Dry
30	Nshambya	-1.93478	32.66007	335.6	187.8	Severe Dry
31	Nyakanyasi	-1.2	33.96718	226.2	225.7	Moderate Dry
32	Randa	-1.29499	33.10014	308.8	236.4	Normal
33	Rulenge	-2.72442	31.69492	129.5	43.9	Extreme Dry
34	Sanga Village	-3.23415	33.14244	256.1	30.8	Extreme Dry
35	Sumve	-2.75061	31.85031	256.8	38.2	Extreme Dry
36	Talaga	-2.93217	33.7	244.1	25	Extreme Dry
37	Tallo	-2.81044	33.45397	195.3	44.1	Extreme Dry
38	Ukerewe	-1.92578	31.74184	395.4	280.2	Extreme Dry
39	Utegi	-1.3278	33.79097	366.3	455.9	Severe Wet
40	Walla	-2.85567	34.08633	278.5	125.4	Extreme Dry
41	Zunzuli	-3.31667	34.6812	121.6	137.2	Normal

Appendix II: Evaporation Data

Table 3: Monthly Evaporation in the Basin

Station Name	April 2026	May 2026	June 2026	Quarterly Sum
Kahunda	84.2	68.7	73.6	226.5
Ukerewe	86.78	115	167.35	369.1
Maswa	92.5	94.8	104.5	291.8
LTA	90.0	112.8	115.6	318.4



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