



Hydro-meteorological and Flood Monitoring Bulletin: 2nd Dekad Assessment and 3rd Dekade Impact Outlook, November 2025



[EMI]

☐☐☐+251115538394☐☐☐ 0115517066 ☐☐☐☐☐emi@ethiomet.gov.et ☐☐ ☐☐☐ www.ethiomet.gov.et



Forward

This Dekedal Hydro Meteorological Bulletin is prepared and disseminated by the Ethiopia Meteorological institute (EMI). The ultimate objective of producing and disseminating this bulletin is to inform all level decision makers with the updated and relevant hydro meteorological information. This Dekedal Bulletin reviews the November,11-20,2025-month climate condition and its impacts over the river catchment across the country and highlights the November,21-30, 2025 climate outlook along with the likely impact over the water dams and the rivers basins.

The information contained in this bulletin is believed to assist the water professionals for planning the capacity expansion of reservoirs, water supply, ecosystem restoration as well as rehabilitation of existing systems including dams, irrigation, canals, pumps, wetlands and the likes. In addition to the aforementioned benefit the bulletin also reveals the aridity levels of each basin, extremes heavy rainfall events and areas where significant amount of moistures loss through evapotranspiration. In the impact outlook section of the bulletin it provides the likelihood of the climate in the coming month and its potential impact over various aspect of the river basins including the hydraulic structures such as culverts, bridges, reservoir spillways, road embankments and dikes. It also indicates the measures need to be taken as the early actions so as to reduce the possible negative impact of the upcoming month climate condition. Meanwhile, your comments and constructive suggestions are highly appreciated to make the objectives of this bulletin a success.



[EMI]

☐☐☐+251115538394☐☐☐ 0115517066 ☐☐☐☐☐emi@ethiomet.gov.et ☐☐ ☐☐☐ www.ethiomet.gov.et



1. Introduction

The provision of hydro meteorological services can contribute a significant role toward water resource management and socio-economic development. Both surface water and groundwater management are essentially linked to climate variability. Therefore, the provided climate information and knowledge in this monthly hydro meteorological bulletin have a critical importance for efficient, equitable and sustainable development and management of the national water resources and for coping with any climate related risks. The information illustrates the impact of previous month climate on each and every water basins and the associated climate risks observed during the month under review. In addition to the previous month impact assessment, the bulletin also provided the expected climate condition for the coming months and its impact on the water resource. The design of water-use and flood-control facilities, mainly dams and reservoirs, is frequently based on these analyses. Estimating the likelihood of precipitation, the distribution of precipitation and the rate of evaporation in location and time, the heavy rainfall and the subsequent runoff, extreme temperature and wind are among issues that hydro meteorologists are concerned with.

1.1 Hydro-Meteorological Impact Assessment (November 11-20, 2025)

During the period of November 11 to 20, 2025, humid to wet conditions were experienced across most parts of the Baro-Akobo, middle Abay, middle and lower Omo-Gibe, pocket areas of the Central Rift Valley, Middle and Lower Tekeze River, and lower marginal areas of the Genale-Dawa basins. These conditions, with the Middle Baro-Akobo basin recording a particularly high level of soil moisture, played a positive role in enhancing surface water flow, replenishing groundwater resources, boosting the storage capacity of man-made reservoirs, and improving subsurface water availability across the affected basins. Conversely, all other basins remained under dry conditions, indicating limited moisture availability and reduced hydrological activity.



[EMI]

☐☐☐+251115538394☐☐☐ 0115517066 ☐☐☐☐☐emi@ethiomet.gov.et ☐☐ ☐☐☐ www.ethiomet.gov.et



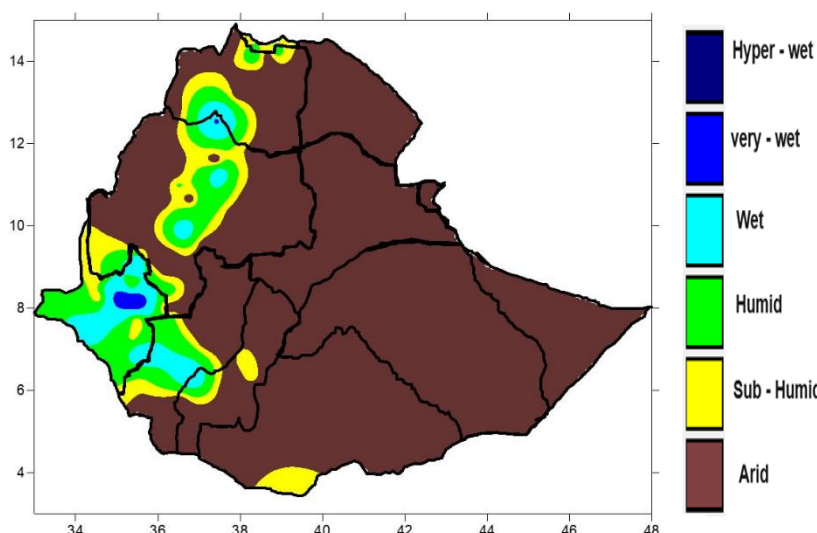


Figure 1 Hydro-Meteorological Assessments for 2nd dekad of November, 2025

1.2 Hydro-Meteorological Impact Outlook (November 21-30, 2025)

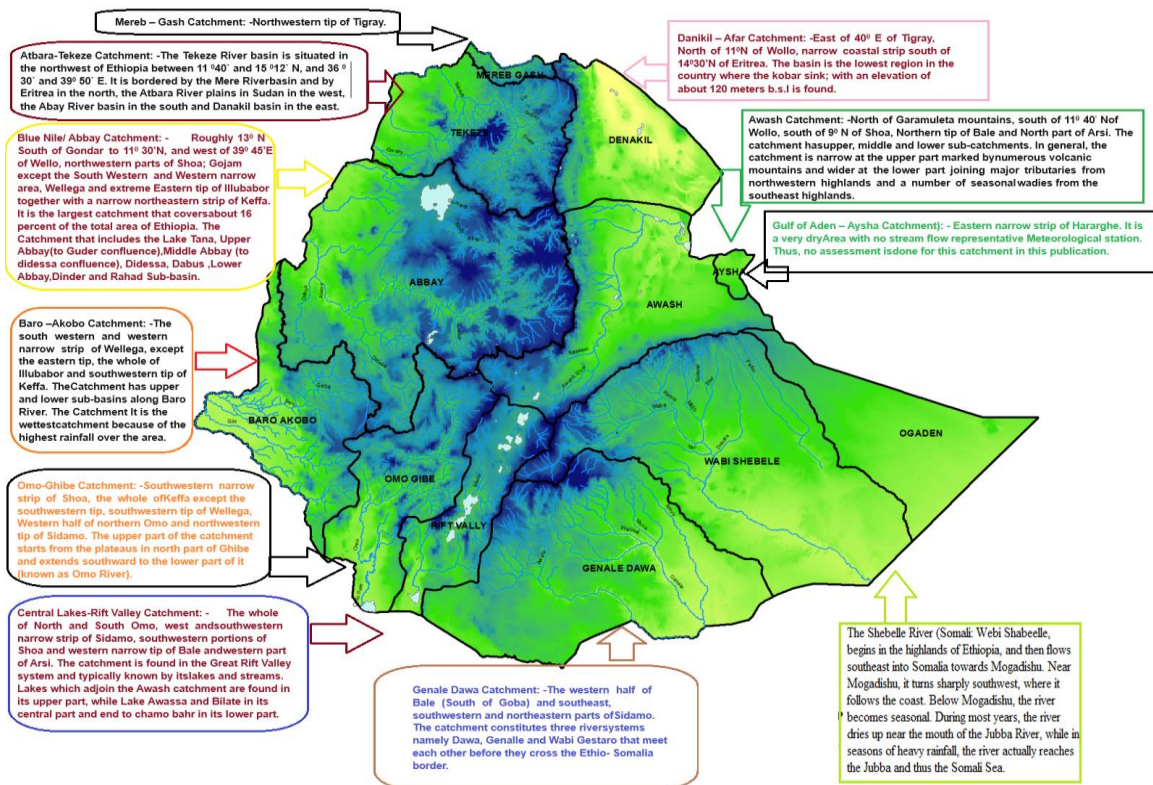
During the 3rd dekad of November (21-30, 2025), some parts of Bega moisture benefiting catchments of Western and South-western will have better surface water flow is expected over upper Baro-Akobo, upper and middle Omo-Gibe, pocket areas of upper Central Rift Valley as well as upper Genale-Dawa basins, and as a result, river water levels and reservoir storage particularly in dams that still require additional inflow are expected to show a gradual increase; it is crucial to effectively store this available water in regions likely to experience reduced surface runoff and limited rainfall in the coming weeks, as this will play a vital role in ensuring sustainable water availability for hydropower, irrigation, and energy purposes during the dry months ahead. Conversely, most parts of the Afar-Danakil Depression, Awash, Abay, Wabi-Shebele, Mereb-Geshi, Ogaden, Ayisha and the Tekeze Basin highlands are expected to remain humid to under dry conditions, and hence, proper water resource management and efficient utilization are strongly advised to mitigate potential water shortages in these areas.



[EMI]

☐☐☐+251115538394☐☐☐ 0115517066 ☐☐☐☐☐emi@ethiomet.gov.et ☐☐ ☐☐☐ www.ethiomet.gov.et

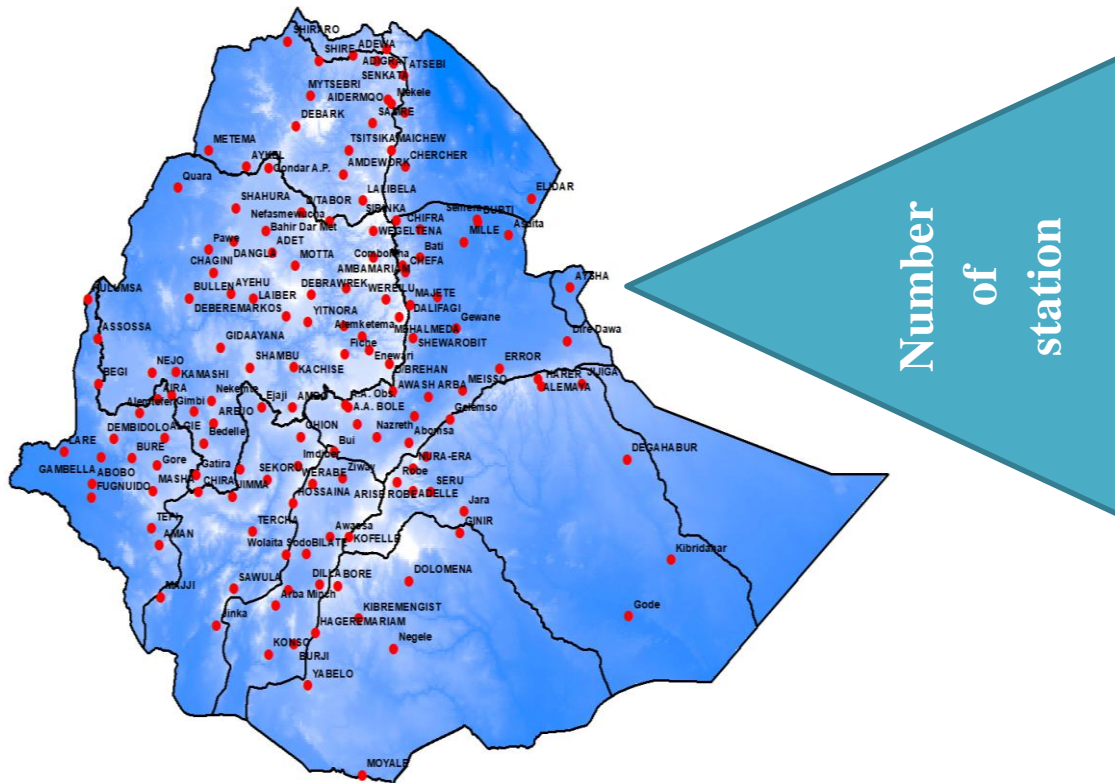




[EMI]

☐☐☐+251115538394☐☐☐ 0115517066 ☐☐☐☐☐emi@ethiomet.gov.et ☐☐ ☐☐☐ www.ethiomet.gov.et





[EMI]

☐☐☐+251115538394☐☐☐ 0115517066 ☐☐☐☐☐emi@ethiomet.gov.et ☐☐ ☐☐☐ www.ethiomet.gov.et

