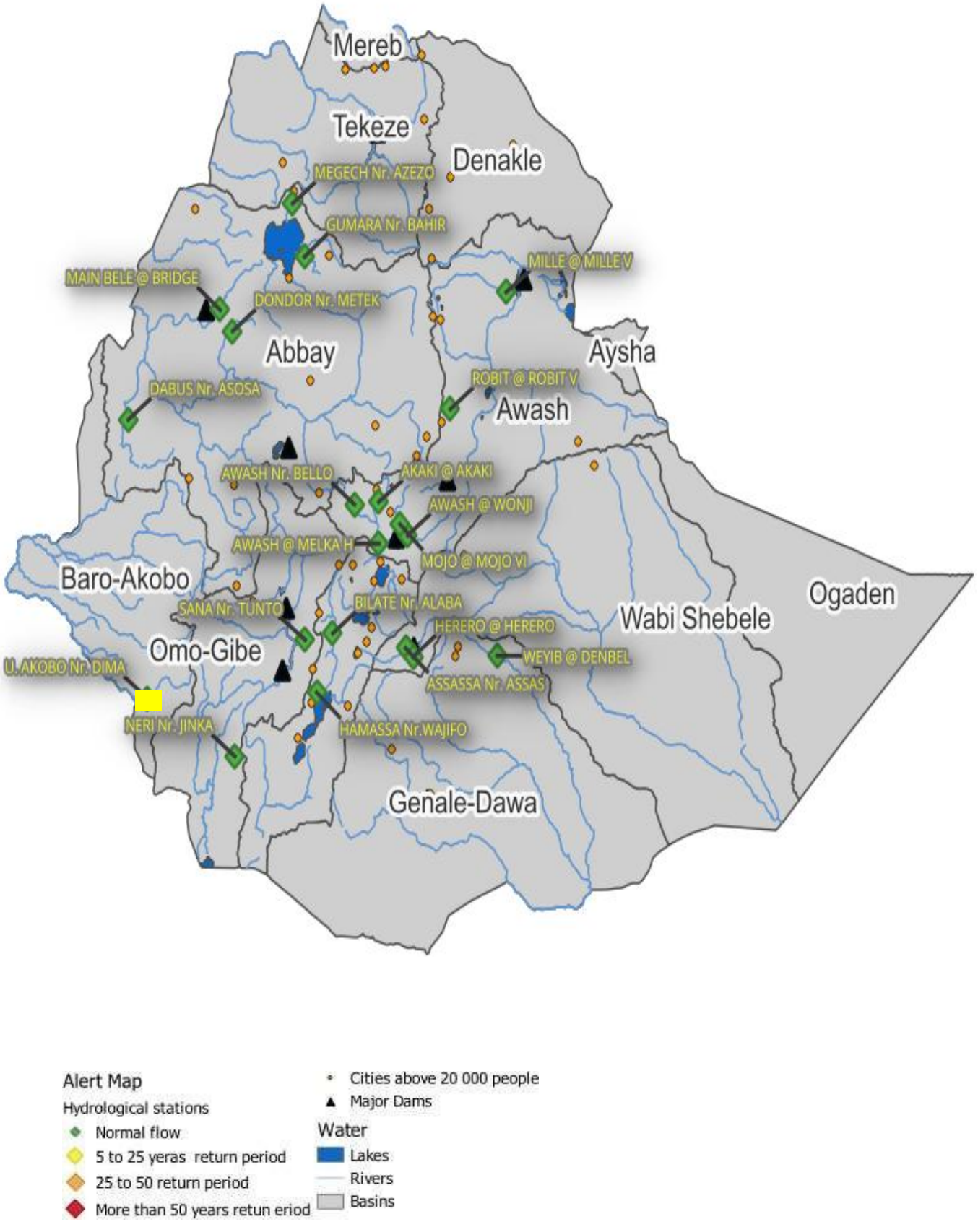
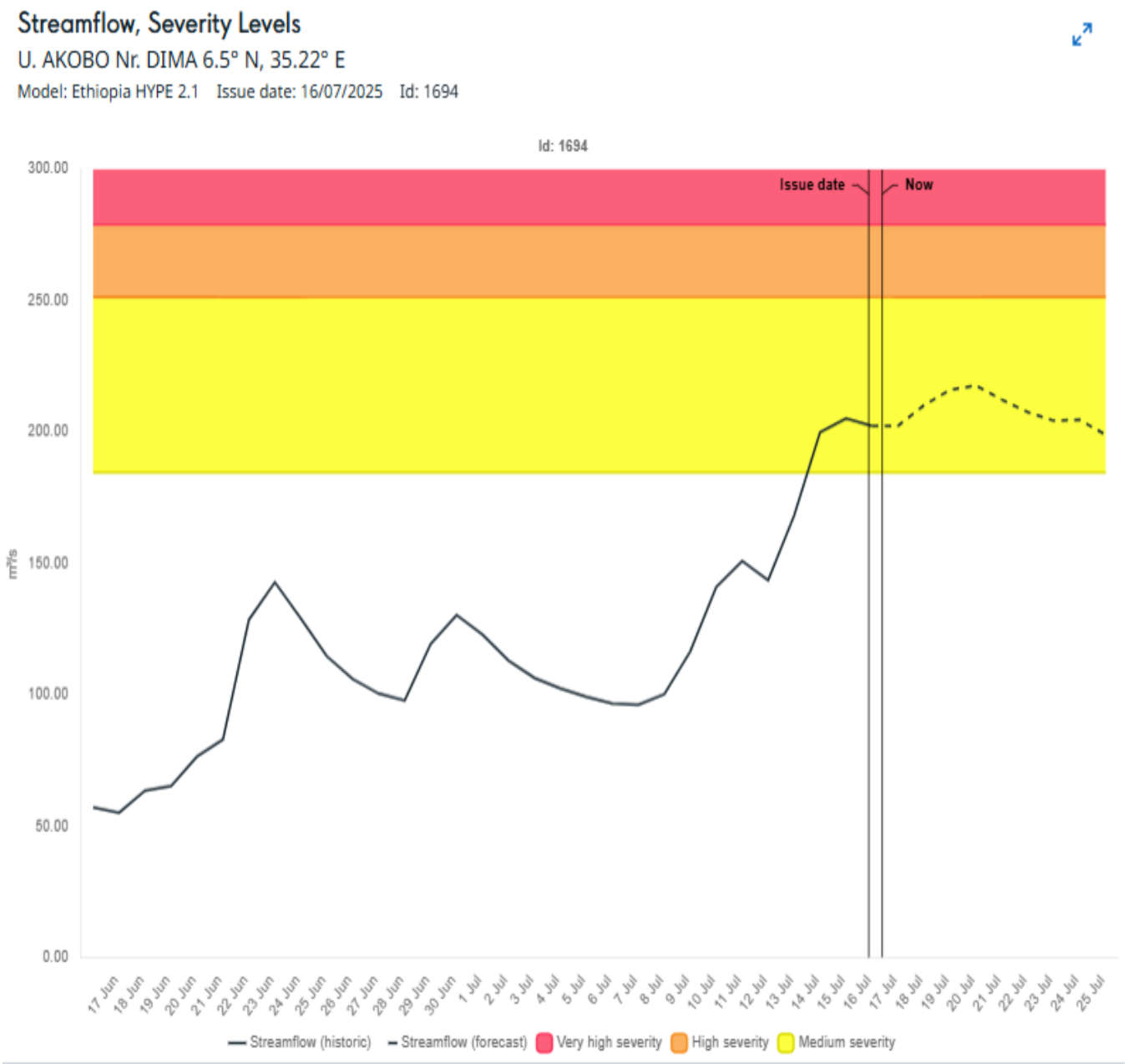
Summary of on-going hydro-meteorological alerts on 16-07-2025 forecast period: 17-07-2025 to 19-07-2025 ***all information is based on forecasts and is therefore subject to uncertainties.***



Alert Summary							
Station name	**Basin**	**Alert level**	**Issued**	**Onset**	**Peak Discharge**	**Expires**	**Description**
AKAKI @ AKAKI	Awash	Green	16-07-2025	19-07-2025	26.85m3/s	19-07-2025	
ASSASSA Nr. ASSAS	Washable	Green	16-07-2025	19-07-2025	1.56 m3/s	19-07-2025	
AWASH @ MELKA H	Awash	Green	16-07-2025	19-07-2025	134.49 m3/s	19-07-2025	
AWASH @ WONJI	Awash	Green	16-07-2025	17-07-2025	34.6 m3/s	19-07-2025	
AWASH Nr. BELLO	Awash	Green	16-07-2025	17-07-2025	77.59m3/s	19-07-2025	.
BILATE Nr. ALABA	RVLB	Green	16-07-2025	18-07-2025	19.36 m3/s	19-07-2025	
DABUS Nr. ASOSA	Abay	Green	16-07-2025	19-07-2025	237.67 m3/s	19-07-2025	
DONDOR Nr. METEK	Abay	Green	16-07-2025	19-07-2025	23.75 m3/s	19-07-2025	
GUMARA Nr. BAHIR	Abay	Green	16-07-2025	19-07-2025	108.72m3/s	19-07-2025	
HAMASSA Nr.WAJIFO	RVLB	Green	16-07-2025	18-07-2025	0.75 m3/s	19-07-2025	
HERERO @ HERERO	Washable	Green	16-07-2025	19-07-2025	1.20 m3/s	19-07-2025	
MAIN BELES @ BRIDGE	Abay	Green	16-07-2025	19-07-2025	147.48 m3/s	19-07-2025	
MEGECH Nr. AZEZO	Abay	Green	16-07-2025	17-07-2025	21.51 m3/s	19-07-2025	
MILLE @ MILLE V	Awash	Green	16-07-2025	17-07-2025	24.50 m3/s	19-07-2025	
MOJO @ MOJO VI	Awash	Green	16-07-2025	19-07-2025	51.68 m3/s	19-07-2025	
NERI Nr. JINKA	Omo-Giba	Green	16-07-2025	17-07-2025	1.30 m3/s	19-07-2025	
ROBIT @ ROBIT V	Awash	Green	16-07-2025	18-07-2025	2.14 m3/s	19-07-2025	
SANA Nr. TUNTO	RVLB	Green	16-07-2025	18-07-2025	3.69 m3/s	19-07-2025	
U. AKOBO Nr. DIMA	Baro-Akobo	Yellow	16-07-2025	19-07-2025	213.06m3/s	19-07-2025	
WEYIB @ DENBEL	Genale-Dawa	Green	16-07-2025	18-07-2025	10.9 m3/s	19-07-2025	

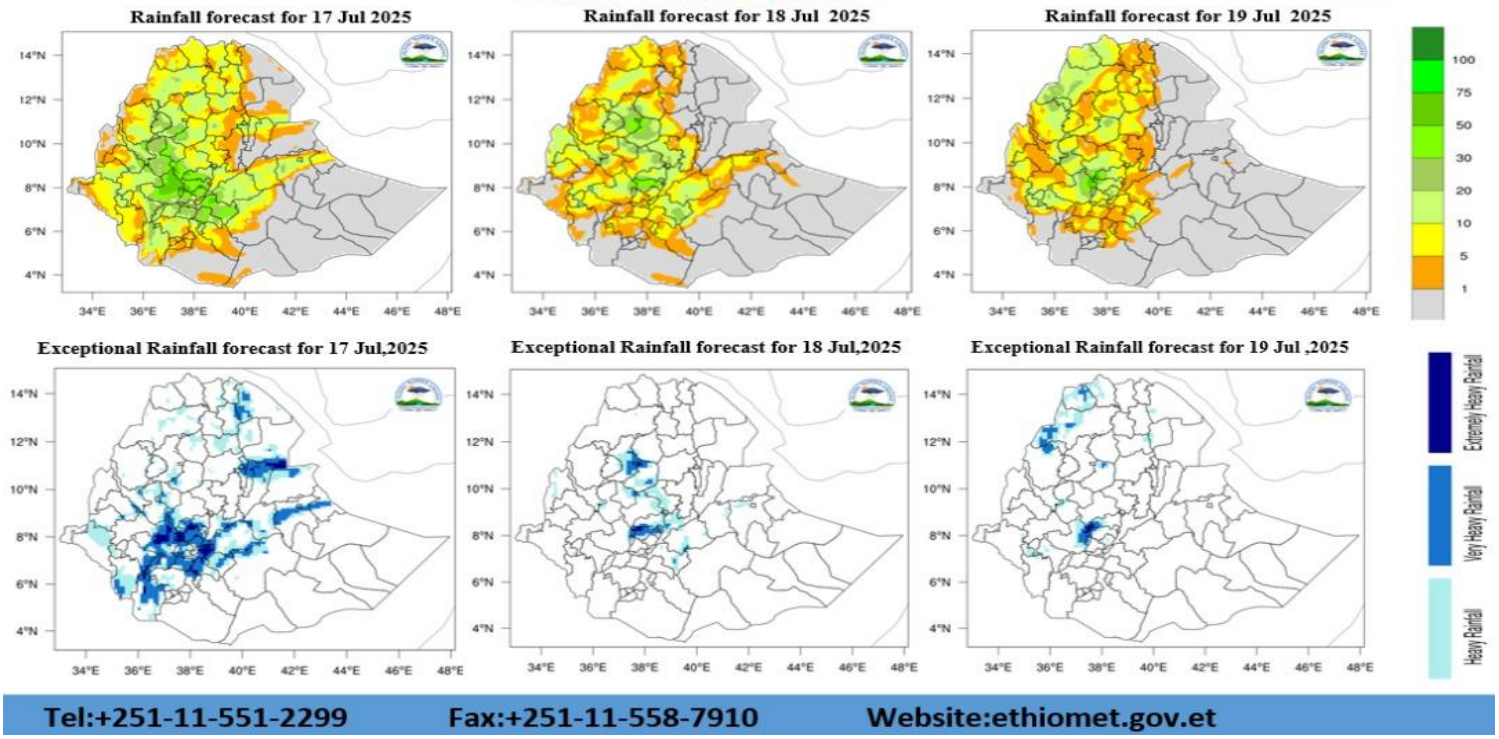
Cause: The graph below shows Discharge levels are currently reaches the medium severity threshold, so there is active alert at upper Akobo near Dima Gambella and it needs careful follow up for the coming days. However, discharge for the rest stations is expected to increase further in coming days.

Flood hydrograph: [described below]



Ethiopian Meteorology Institute
Meteorological Forecast and Early Warning Research

Forecast issued date:16/07/2025



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Note: Light to heavy rainfall is expected over Tigray, Amhara, Benishangul Gumuz, Gambella, Southwest Ethiopia, southern Afar, Oromia, Southwest Ethiopia, South Ethiopia, Central Ethiopia, Sidama, Dire Dawa, Harari, and northern Somali regions for the coming three days. Moreover, heavy and extremely heavy (ranking in the top 10–1%) rainfall is expected over Tigray, Afar, Amhara, western, central and eastern Oromia, Gambella, southwest Ethiopia, South Ethiopia, central Ethiopia, Sidama, and northern Somali regions.

Static information

Hydrological EWS

This alert has been issued by the Surface Water Desk at MoWE

Hydrological model

The hydrological situation has been assessed using the HYPE hydrological model and is the primary tool, alongside reservoir levels, for determining when and where a hydrological warning should be issued in Ethiopia.

The model is updated daily with meteorological forecasts from ECMWF (European Centre for Medium-Range Weather Forecasts) with a resolution of ~50 km. The forecasts have been adjusted for hydrological applications within the product HydroGFD 3.0.

Forecasts are provided with lead times of maximum 3 days.

Warning thresholds are based on return periods:

- **Green**. Predicted or observed discharge is at or above the 2-year return period level, but below the 5-year level.
- **Yellow warning**. Predicted or observed discharge is at or above the 5-year return period level, but below the 25-year level.
- **Orange warning**. Predicted or observed discharge is at or above the 25-year return period level, but below the 50-year level or critical reservoir level exceeded.
- **Red warning**. Predicted or observed discharge is at or above the 50-year return period level

Reservoir management is conducted at 11 designated sites using predefined thresholds based on historical dam exceedance data, with results reported separately. The name of the dams that reservoir management analysis conducted are Amerti Neshe, Fincha, GERD, Gibe 3, Gilgel Gebe -1, Kesem, Koka, Melka Wakena, Tana Beles, Tendaho and TK -5.

Information on small-scale flash flooding cannot currently be provided by the model**. It should also be understood that all forecast products have significant uncertainties.**

Table explanation

Issue: **The day the alert was issued**

Onset: The day that the flooding (Maximum) Flow starts.

Peak flow: The peak discharge (streamflow) on a given day

Expires: The End Day of Forecast.

Contact information

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