

# Republic of Kenya



## Kenya Meteorological Department National Flood Forecasting and Early Warning Centre

### *Flood watch bulletin for the Nzoia basin*

Bulletin produced on June 03, 2024 at 10AM local time

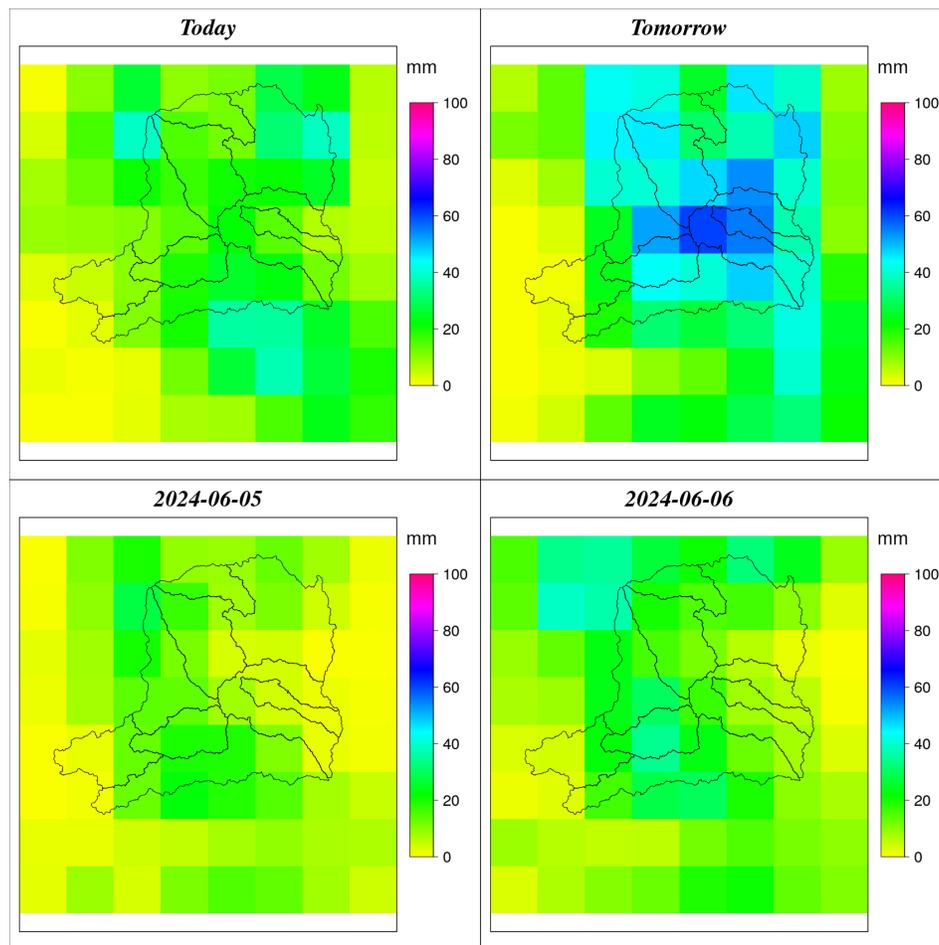
#### Main key

	Normal situation	Water levels and river flows do not pose any risk of flooding.
	Flood Watch	Water levels and flows are higher than average for the flood season and greater vigilance and observation of water levels is recommended for those living, cultivating or raising livestock near the rivers.
	Flood Alert	Water levels and flows are considerably higher than average for the flood season and those living, cultivating or raising livestock near the rivers are urged to take additional care.
	Flood Warning	Water levels and flows much higher than usual, living, cultivating or raising livestock near the rivers are urged to move to higher ground with their belongings.
	Significant flooding imminent	Significant flooding is expected, and mandatory evacuation is recommended for communities living on the floodplain areas and near the rivers.

This Flood Watch Bulletin is produced whenever there is a potential for flooding in any part of the Nzoia Basin. It is based on automatic water level and rainfall data from stations scattered throughout the Nzoia Basin, rainfall forecasts and rainfall / runoff and flood routing models. Flood forecasts are made for the upcoming three days. Flood watch bulletins will be issued daily at noon, until the water levels are forecast to decrease to safe levels throughout the Nzoia Basin and are forecast to continue decreasing. The following colour coding is used to highlight the risks of flooding along river reaches, sub-basins and for identified communities at risk of flooding (flood hotspots) in the Basin.

## 1 Basin summary

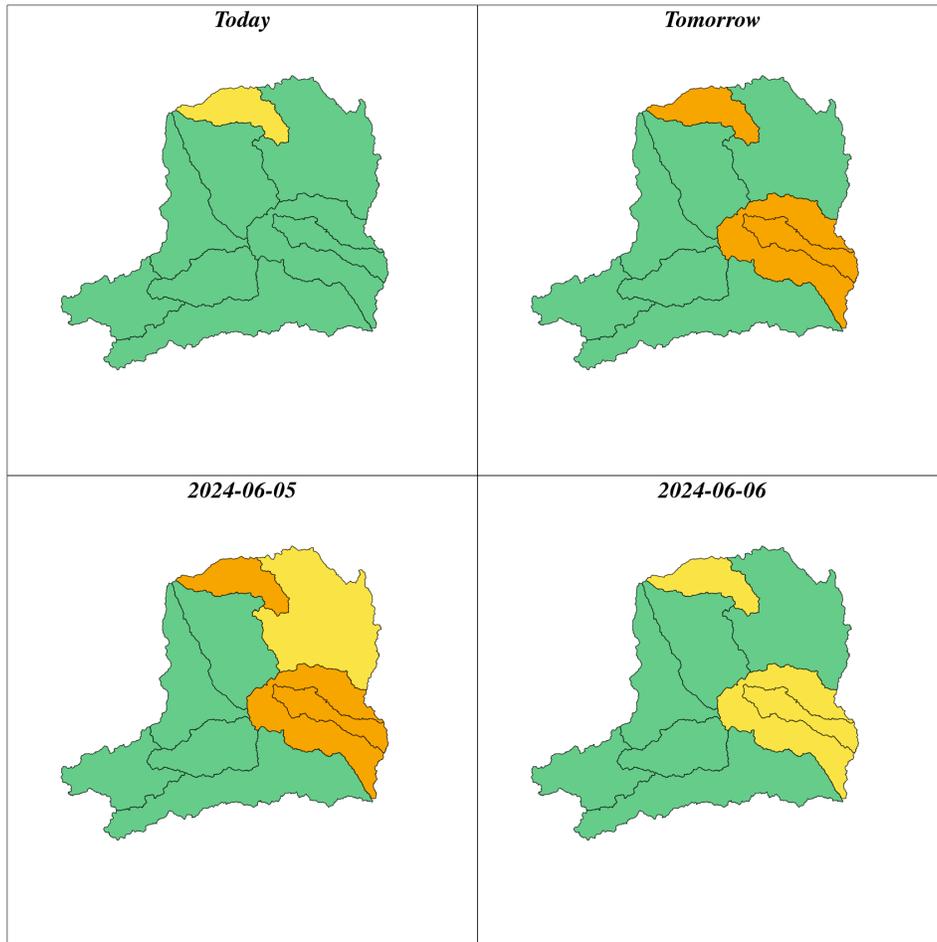
### 1.1 Observed rainfall and best available forecast (in millimeters per day) for the next 3 days<sup>1</sup>



<sup>1</sup>Except for "today" which starts from the bulletin emission date and ends at midnight (UTC), all days correspond to the 00h to 24h range (in UTC)

## 1.2 Flood risks in the sub-basins (tributaries)

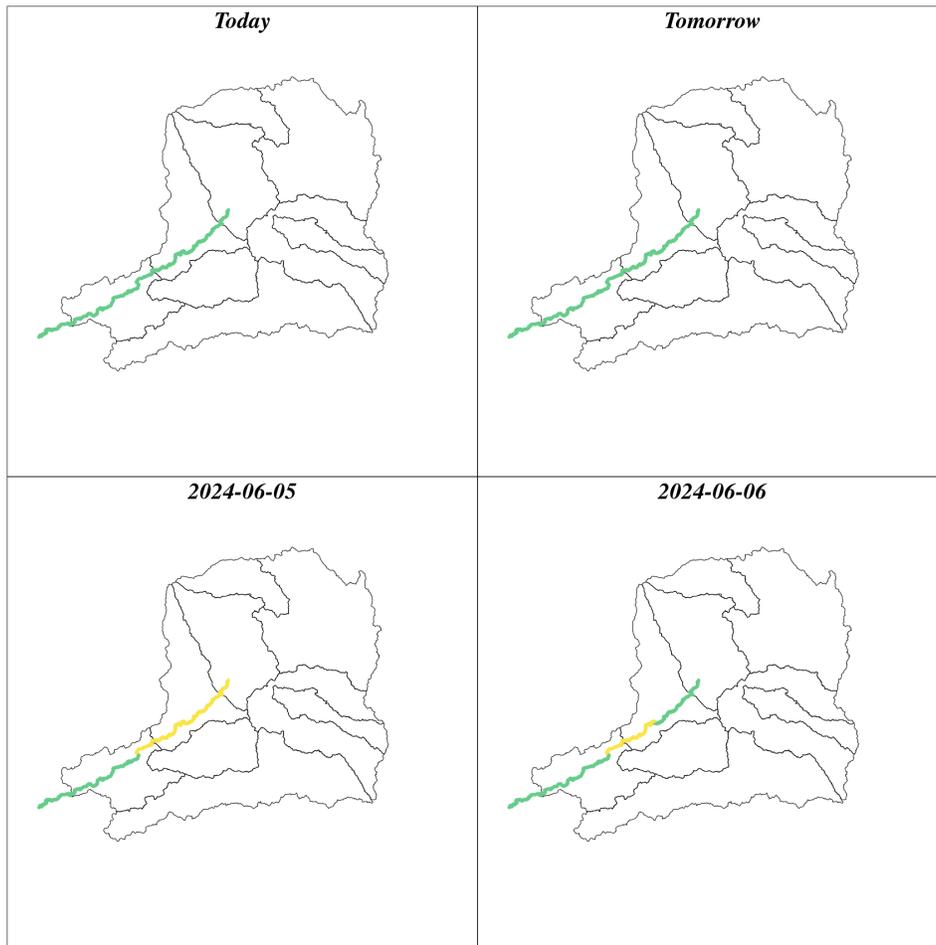
Sub-basin	Today	Tomorrow	2024-06-05	2024-06-06
Upper Nzoia	Yellow	Orange	Orange	Yellow
Mid-upper Nzoia	Green	Green	Green	Green
Kipkaren	Green	Orange	Orange	Yellow
Mid Nzoia	Green	Green	Green	Green
Lusumu	Green	Green	Green	Green
Lower Nzoia	Green	Green	Green	Green
Yala	Green	Green	Green	Green



*Comment*

## 2 Flood risks on the Nzoia river main stream

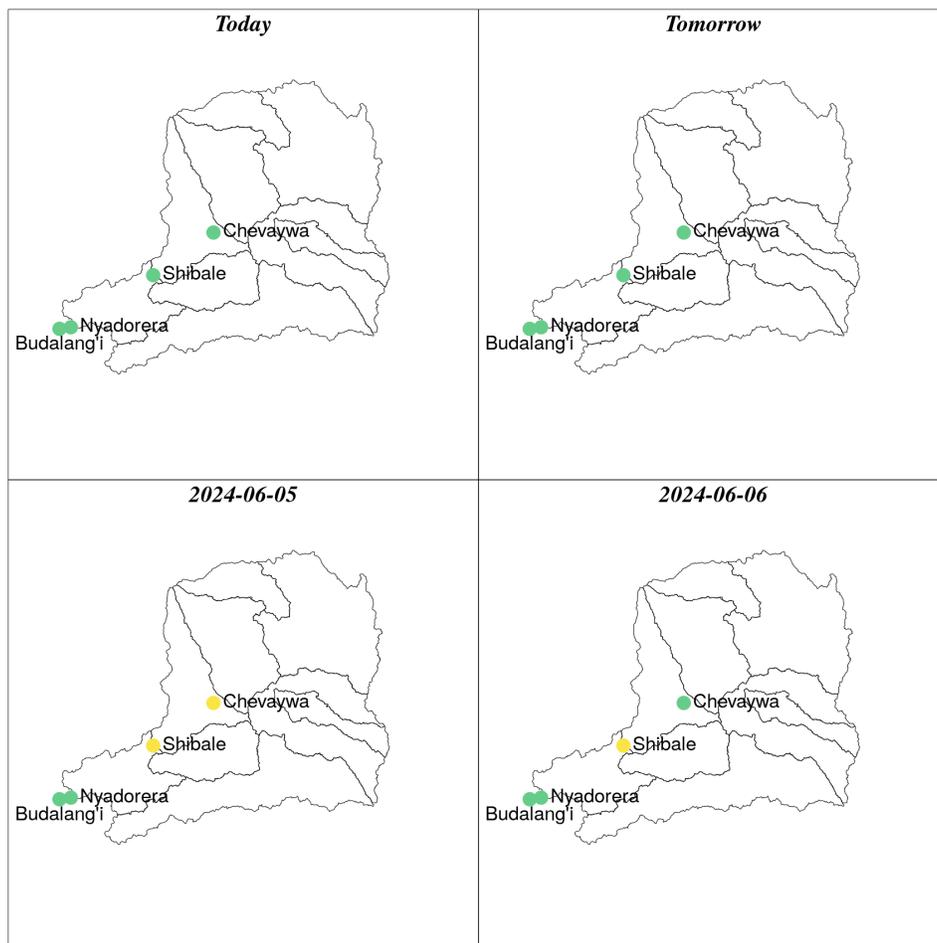
Reach (from up-stream to down-stream)	Today	Tomorrow	2024-06-05	2024-06-06
Kipkaren to Kuywa				
Kuywa to Lusumu				
Lusumu to Lake Victoria				



*Comment*

### 3 Flood risks for the main flood prone communities (Nzoia main stream only)

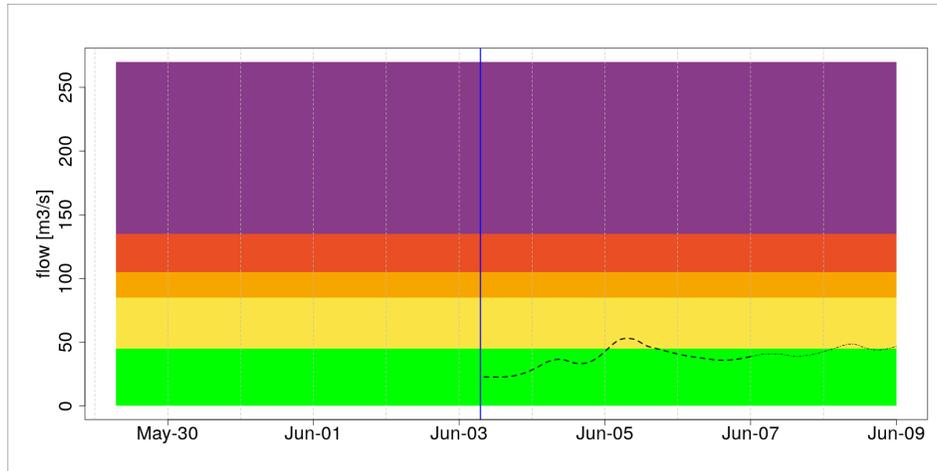
Hotspot	Today	Tomorrow	2024-06-05	2024-06-06
Chevaywa				
Shibale				
Nyadorera				
Budalang'i				



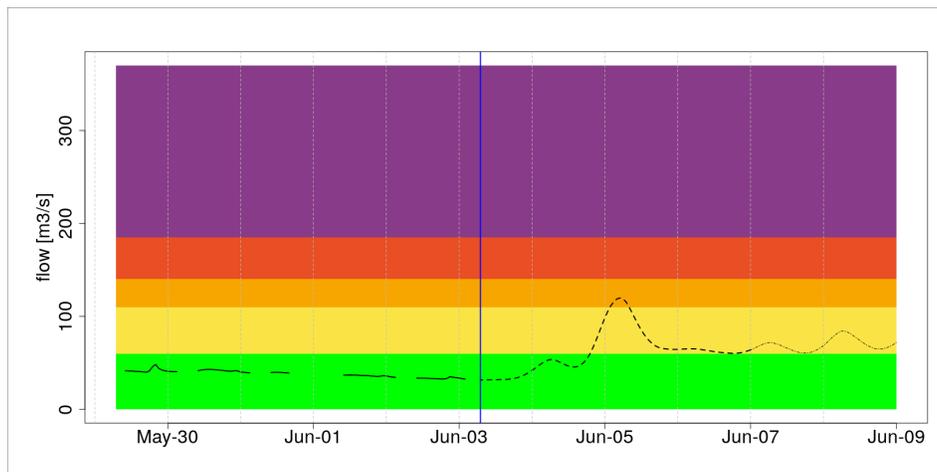
*Comment*

## 4 Observed and forecast flows for key nodes

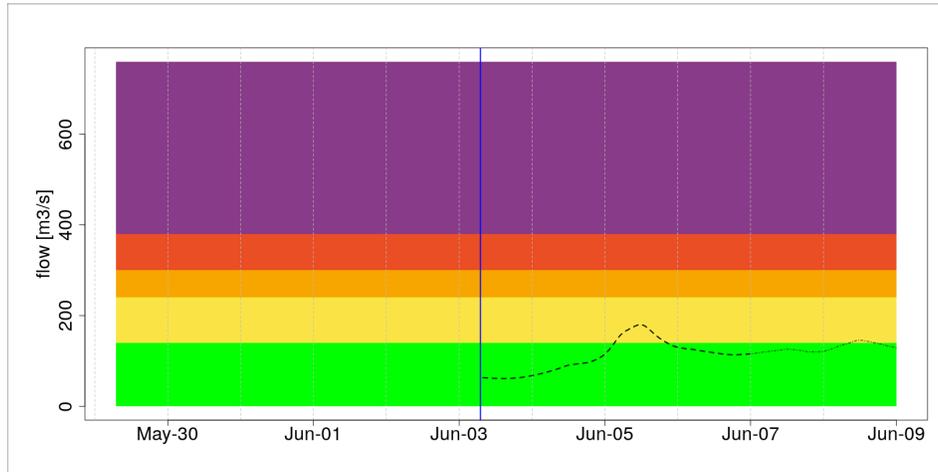
### 4.1 Large Nzoia



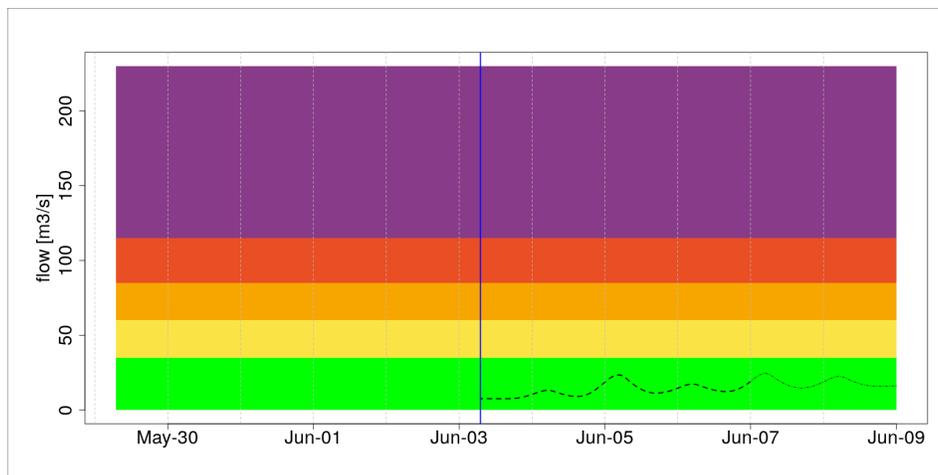
### 4.2 Kipkaren river



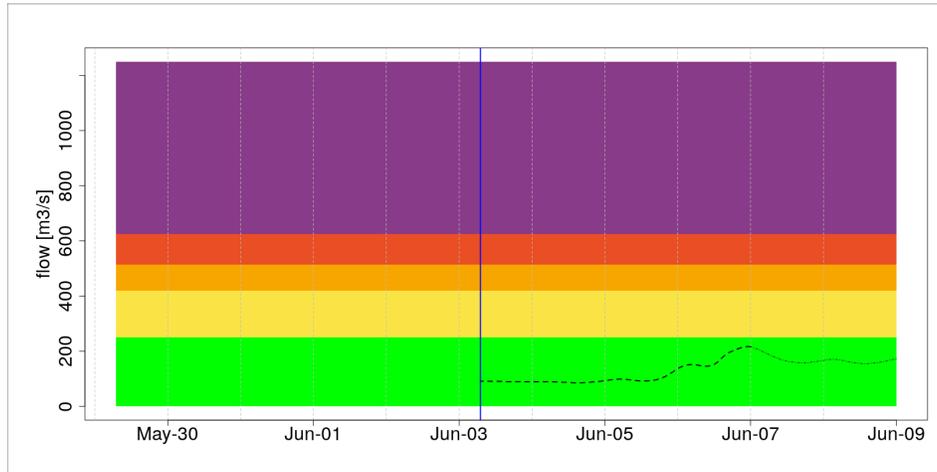
### 4.3 Nzoia river at Webuye



### 4.4 Lusumu river



#### 4.5 Nzoia river at Rwambwa bridge



#### *Comment*

#### **Disclaimer**

This Flood Watch Bulletin has been produced by the National Flood Forecasting and Early Warning Centre (NFFEWC) and approved by the Director: Kenya Meteorological Department Dr. David Gikungu DIRECTOR OF KENYA METEOROLOGICAL SERVICES.