



# Somalia Flood Watch

Issued: 21<sup>st</sup> October, 2014



## FLOOD WARNING LEVEL

## KEY TO WARNING LEVELS

	Last Week	Coming Week
Shabelle		
Juba		

**Severe Flooding Possible**

**Moderate Flooding (up to 5 year return period)**

**Minimal/No Flood Risk**

During the week ending on 20th October, 2014, moderate to heavy rains were experienced in both Juba and Shabelle river basins inside Somalia and within the Ethiopian highlands.

The area bordering Ethiopia in Hiraan region has experienced torrential rains that have led to destruction and loss of property due to flooding. Heavy rains leading to flooding have also been confirmed in Jilib district in Lower Juba region.

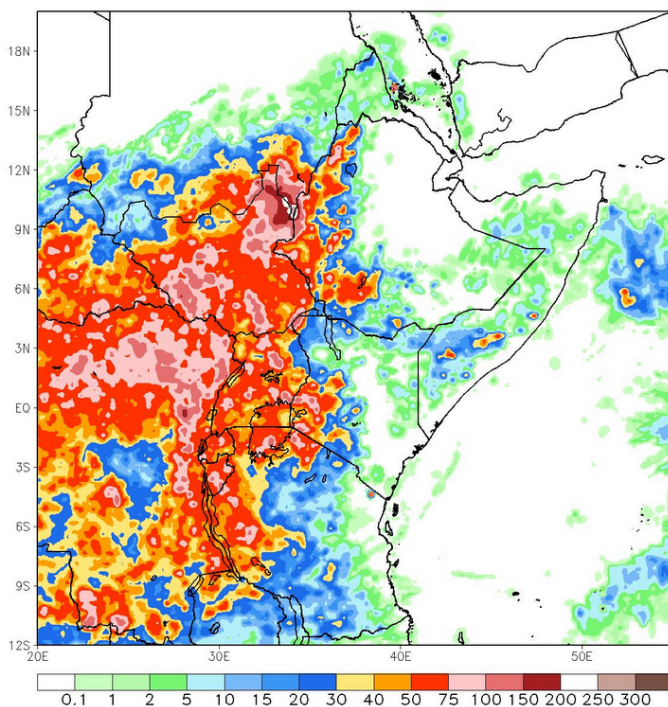
Station Name	Luuq	Dollow	Bualle	Belet Weyne	Bulo Burti	Jowhar	Mataban
Rainfall (mm)	13.0	0.0	0.0	18.0	10.0	25.0	90.0

The 7-day cumulative satellite rainfall estimate (RFE) image (Map – 1) indicates moderate to heavy rains were received within the Juba and Shabelle basins both in Somalia and within the Ethiopian highlands.

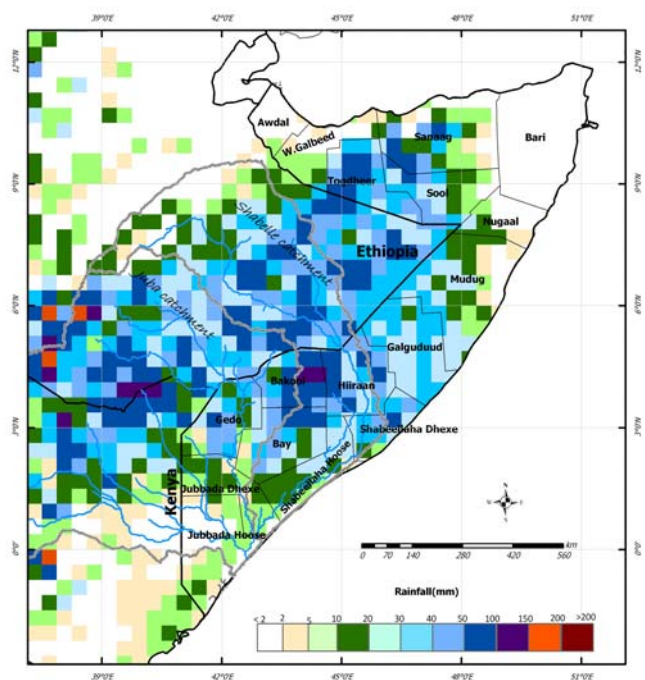
The rainfall forecast for the coming week (Map – 2) indicates more rains within the two basins both inside Somalia and within the Ethiopian highlands.

Given the rainfall forecast and the increasing river levels, the risk level of flooding along the Juba and Shabelle rivers changes from **Moderate** to **High** during the coming week.

Map –1: Total RFE: Week ending 20/10/2014



Map-2: 7-Day Rainfall Forecast: up to 27/10/2014



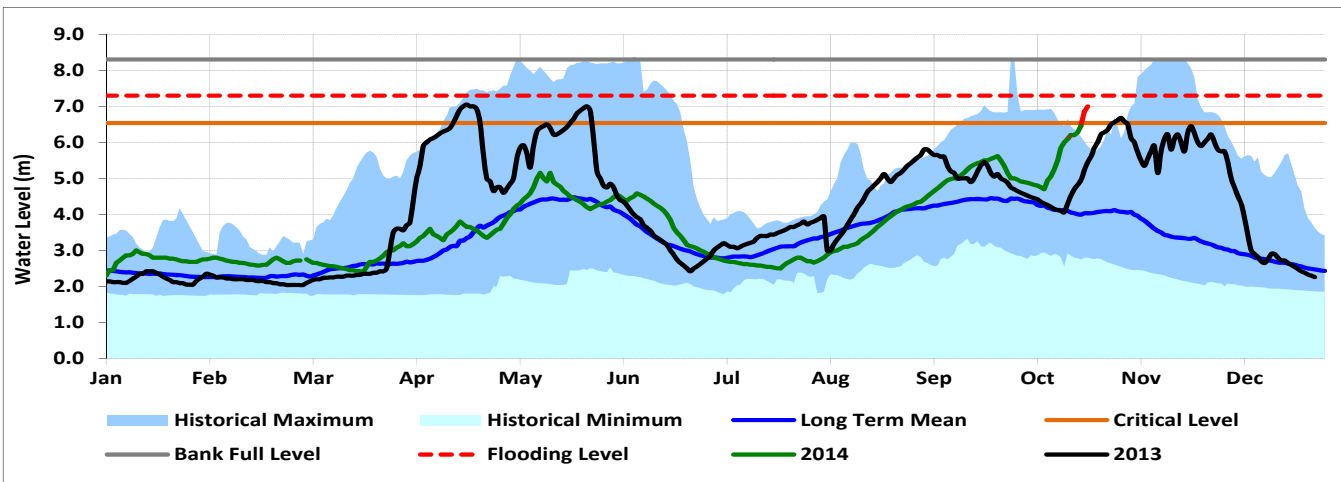
This bulletin is produced by the FAO Somalia Water and Land Information Management (SWALIM). For more information send an e-mail to [SO-Hydro@fao.org](mailto:SO-Hydro@fao.org) or visit <http://www.faoswalim.org>

### Technical Partners

### SWALIM Funding Agencies



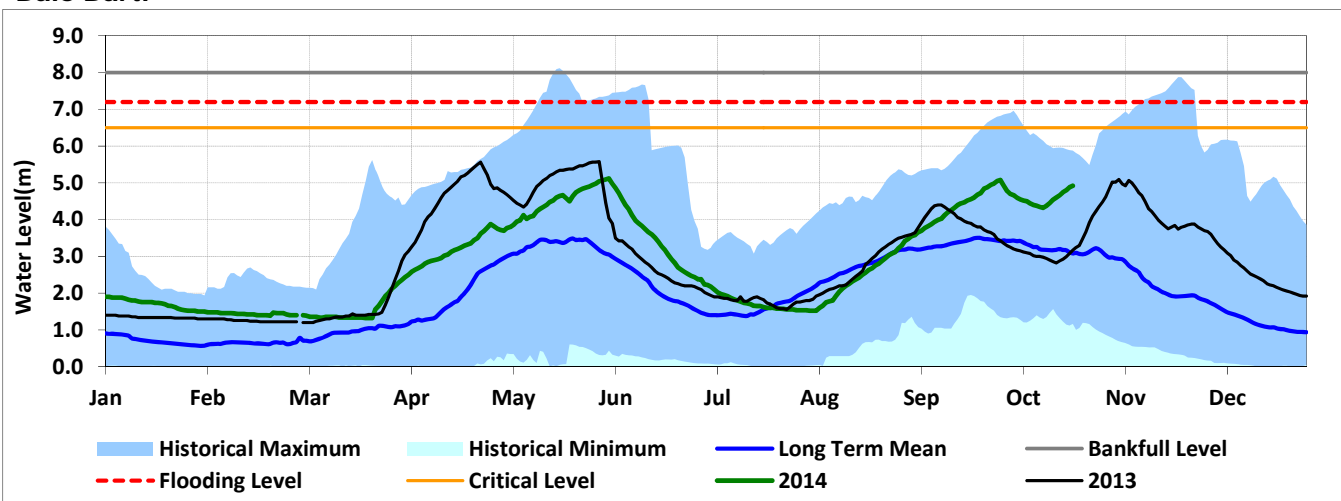
**Belet Weyne**



Date	Current river level	Relative position of current river level from:			
		Previous day	Low Flood Risk	Moderate Flood Risk	High Flood Risk
21-Oct-13	7.00	0.10	-1.10	-0.50	0.30
20-Oct-13	6.90	0.05	-1.00	-0.40	0.40
19-Oct-13	6.85	0.40	-0.95	-0.35	0.45

Observed river levels at Belet Weyne increased sharply in the last few days. Today's river level is 7.00m which is 0.30m below the high risk flood level. Field reports indicate flooding in the North Eastern parts of the town with several families having been affected.

**Bulo Burti**



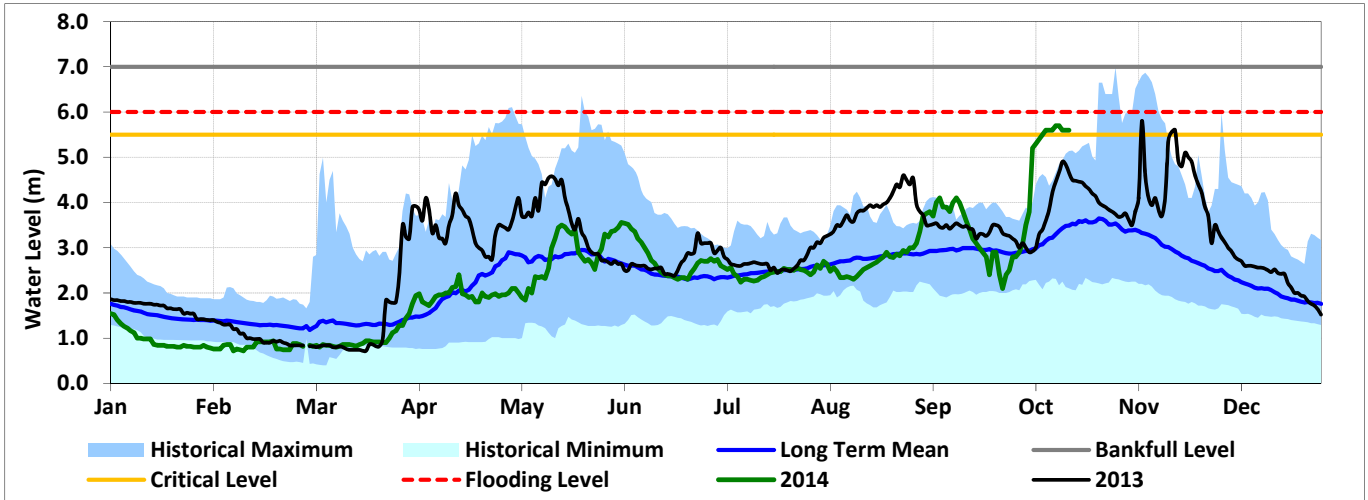
Date	Current river level	Relative position of current river level from:			
		Previous day	Low Flood Risk	Moderate Flood Risk	High Flood Risk
21-Oct-13	4.92	0.04	1.08	1.58	2.28
20-Oct-13	4.88	0.08	1.12	1.62	2.32
19-Oct-13	4.80	0.26	1.20	1.70	2.40

Observed river levels at Bulo Burti increased towards the end the week. Today's river level is 4.92m which is 2.28m below the high risk flood level.

**Forecast for coming week for Shabelle**

Given the rainfall forecast for coming week and the current observed river levels, there is high risk of flooding during the forecast period especially in the lower reaches of the river.

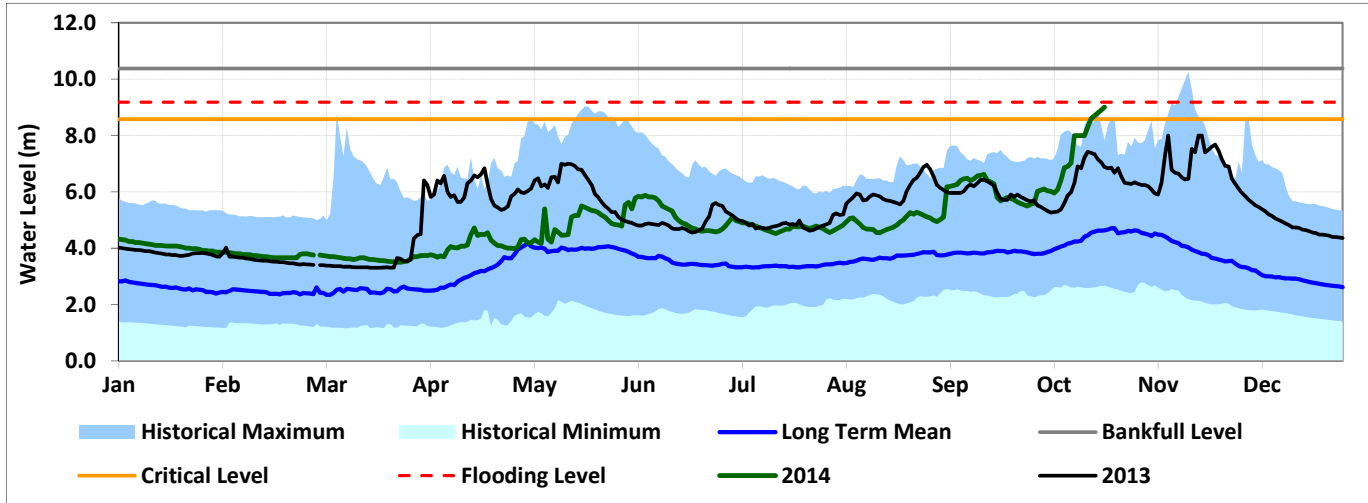
Luuq



Date	Current river levels	Relative position of current river levels from:			
	Levels	Previous day	Low Flood Risk	Moderate Flood Risk	High Flood Risk
21-Oct-13	5.60	0.00	-0.40	-0.10	0.40
20-Oct-13	5.60	0.10	-0.40	-0.10	0.40
19-Oct-13	5.70	0.00	-0.50	-0.20	0.30

Observed river levels at Luuq increased sharply over the last week, and surpassed the critical level of flooding. Today’s river level is 5.60m which is 0.40m below the high risk flood level.

Bardheere



Date	Current river levels	Relative position of current river levels from:			
	Levels	Previous day	Low Flood Risk	Moderate Flood Risk	High Flood Risk
21-Oct-13	9.00	0.20	-0.82	-0.42	0.18
20-Oct-13	8.80	-0.10	-0.62	-0.22	0.38
19-Oct-13	8.90	-0.10	-0.72	-0.32	0.28

Observed river levels at Bardheere increased sharply over the last week. Today’s river level is 9.00m which is 0.18m below the high risk flood level.

Forecast for coming week for Juba

Given the rainfall forecast for coming week and the current observed river levels, there is high risk of flooding during the forecast period especially in the lower reaches of the river.