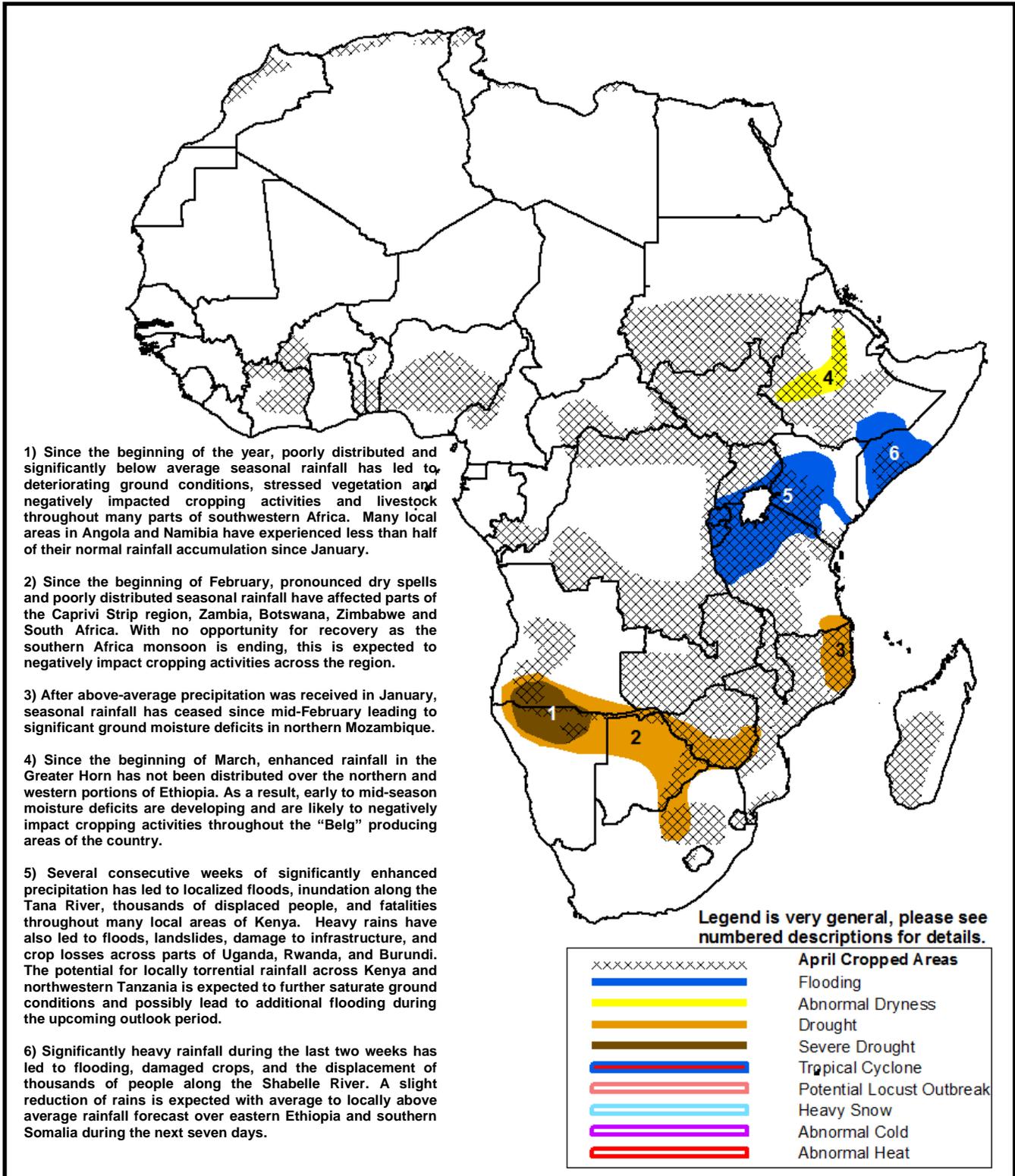


## Climate Prediction Center's Africa Hazards Outlook For USAID / FEWS-NET April 18 – April 24, 2013

- Heavy, flood inducing precipitation continues across many regions of East Africa.



## Flooding threats grow throughout part of Greater Horn.

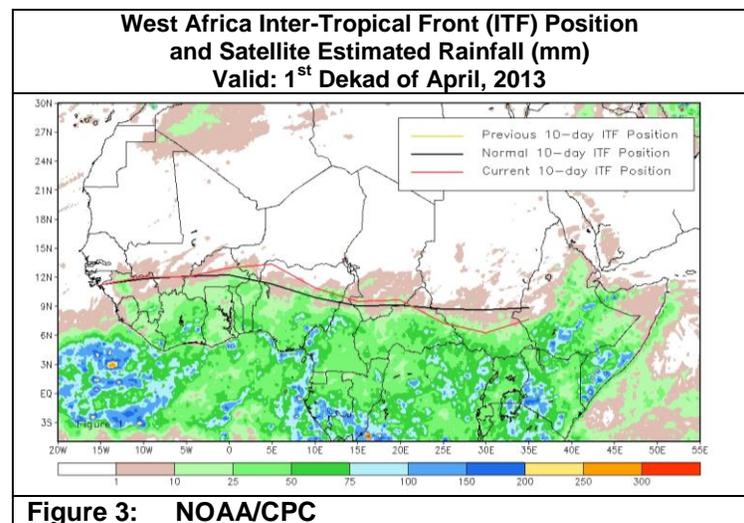
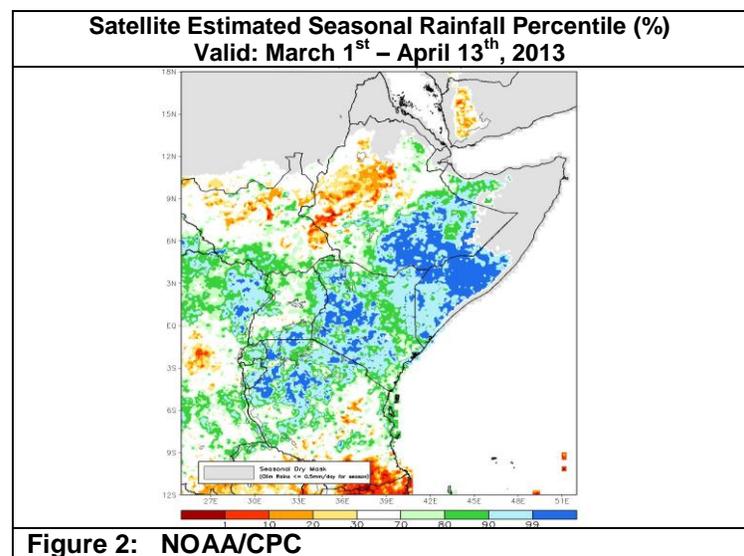
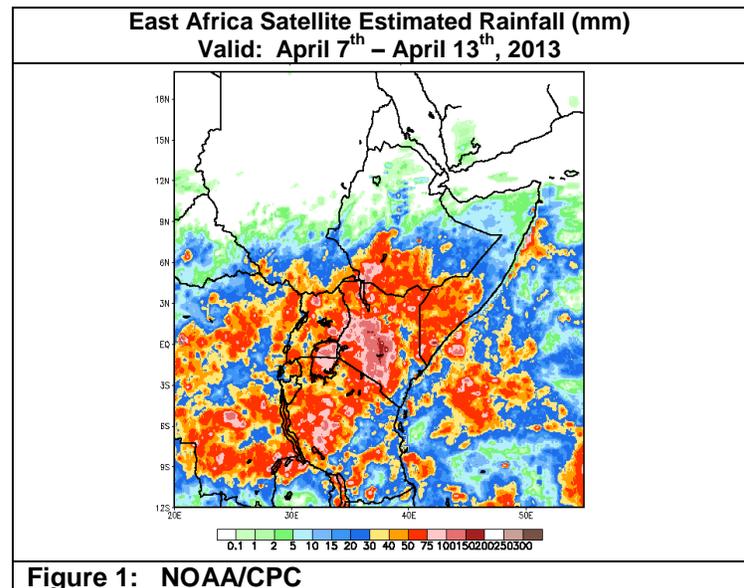
During the second week in April, there was a continuation of significantly above-average precipitation across much of East Africa. The highest rainfall accumulations were received throughout central and western Kenya, where ground reports recorded more than 200mm of precipitation during the last seven days. In other areas of Kenya, well-distributed moderate to locally heavy precipitation amounts (>50mm) were received (**Figure 1**). In Somalia, another week of enhanced rainfall was concentrated over the Jubba and Shabelle River basins, with much of the heavier rainfall amounts extending northward into southern Oromia, and Somali regions of Ethiopia. Further south, significantly heavy rains were also received across Rwanda, Burundi, and northwestern Tanzania.

The onset of continuous, enhanced rainfall since the second dekad of March has led to a deepening and expansion of seasonal precipitation surpluses throughout much of East Africa. Many local areas have now experienced some of the wettest seasonal rainfall accumulations in 30 years according to percentile analysis since the beginning of March (**Figure 2**). Consequently, parts of Somalia, Kenya, Uganda, Rwanda and Burundi have reportedly experienced numerous floods, inundated River basins, landslides, crop losses, damage to infrastructure, fatalities, and the displacement of thousands of people. Conversely, poorly distributed and below-average rains have been observed over parts of Ethiopia during the past several weeks. The Gambella and western Oromia regions of Ethiopia have observed seasonal precipitation deficits higher than 100mm since March. However, seasonal rainfall deficits along the higher elevations of eastern Amhara and southern Tigray have become less pronounced due to a slight increase in rainfall during the last two weeks. The persistence of below average rains during the remainder of April further increases the likelihood of a poor *belg* crop production for the season.

During the upcoming outlook period, model forecasts indicate a southward shift in the enhanced rains into late April. The highest rainfall accumulations are forecast (>100mm) across northwestern Tanzania, Burundi, Rwanda, Uganda and southwest Kenya. The continuation of heavy rainfall over these areas is expected to exacerbate ground conditions and possibly trigger additional flooding.

## Anomalous ITF position provides a favorable early start of rains across parts of West Africa.

During March and April, many local areas in the Gulf of Guinea region saw the northward migration of the ITF accompanied with an increase in seasonal rainfall. The highest rainfall accumulations during the 1<sup>st</sup> dekad of April were received throughout parts of Cote d'Ivoire, Benin and Nigeria. Analysis of the ITF position indicates an anomalous poleward position over parts of Burkina Faso, northern Benin and western Nigeria and this is expected to be favorable for early season cropping activities. Further east, over parts of Sudan and South Sudan, the ITF was several degrees below its climatological normal position during early April. This position corresponds to a minor delayed start to seasonal rainfall in the region.



**Note: The hazards outlook map on page 1 is based on current weather/climate information and short and medium range weather forecasts (up to 1 week). It assesses their potential impact on crop and pasture conditions. Shaded polygons are added in areas where anomalous conditions have been observed. The boundaries of these polygons are only approximate at this continental scale. This product does not reflect long range seasonal climate forecasts or indicate current or projected food security conditions.**

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