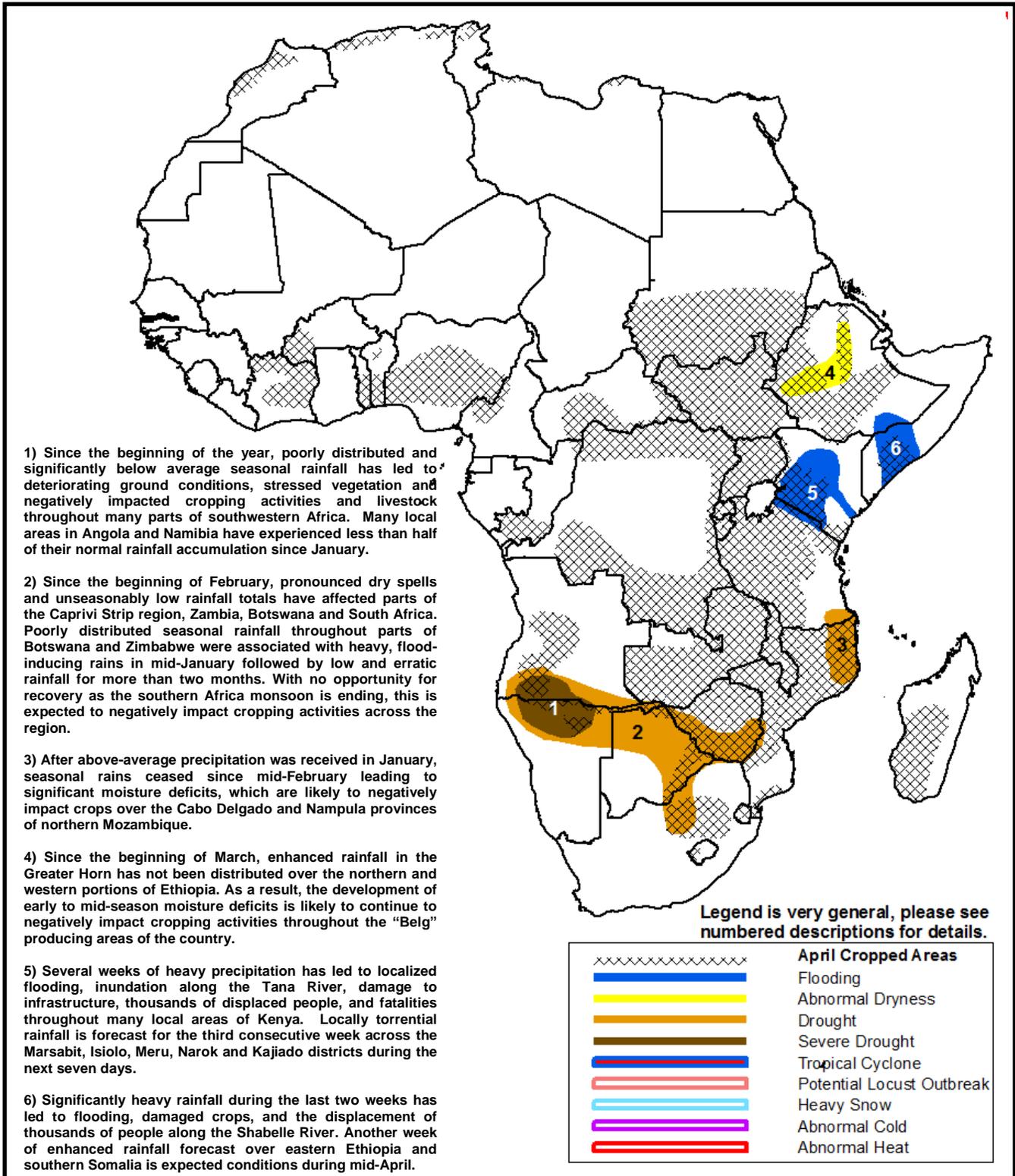


Climate Prediction Center's Africa Hazards Outlook For USAID / FEWS-NET April 11 – April 17, 2013

- Several weeks of above-average seasonal precipitation over the Greater Horn has negatively impacted parts of Kenya with flooding and damage to infrastructure.



Above-average seasonal rains continue over the Greater Horn.

During the first week in April, an enhanced precipitation pattern was observed for the third consecutive week over East Africa. Robust precipitation accumulations (>75mm) were again observed over central and southern Somalia, with locally torrential amounts over parts of southern and central Kenya during the last seven days (**Figure 1**). In Ethiopia, heavy and well-distributed precipitation totals were also received across the southern and eastern regions of the country, with lesser amounts observed in the west and higher elevations of the country. Elsewhere, favorably high and well distributed seasonable rainfall totals were received across many parts of Uganda and Tanzania during early April.

The onset of continuous, enhanced rainfall since the second dekad of March has led to increasing seasonal precipitation surpluses (>100mm) across a broad portion of southern and eastern Ethiopia, southern Somalia and central and eastern Kenya. While increased moisture has led to improved pastoral conditions and has replenished water availability throughout many local areas in Somalia and eastern Ethiopia, significantly above-average rainfall during the last three weeks has led to overly saturated ground conditions. Many local areas have already experienced more than 3 times their normal rainfall accumulation since the beginning of April (**Figure 2**) sustaining the risk for localized flash flooding and downstream river inundation over the Jubba and Shabelle River basins in eastern Ethiopia and southern Somalia.

In Kenya, isolated, torrential rainfall during the last couple of weeks has negatively impacted several local areas across the country. The worst affected areas include the Marsabit and Isiolo provinces, where heavy rains have triggered floods leading to damages to infrastructure, and inaccessible roads. Heavy rains have also induced floods in the southern Narok and northern Kajiado provinces further south, and caused inundation along the Tana River resulting in displacement of thousands of people during the last week.

Despite this increase in rains in the Greater Horn, a delayed onset and uneven spatial distribution of rainfall over parts of Ethiopia during the past several weeks continues to sustain and increase seasonal moisture deficits in the region. By early April, many local areas have experienced moderate to locally large rainfall deficits (50-100mm) in parts of the Oromia, Amhara, Tigray, and Gambella regions of the country. This has already negatively affected cropping activities with a reduction of planting over many local *Belg*-producing areas of Ethiopia. Water requirement analyses for crops reflect a delayed start in the higher elevations of the eastern Amhara region, with locally below to near average conditions in parts of the SNNP and Oromia regions (**Figure 3**). A continuation of below-average rains during April is expected to exacerbate ground conditions, and possibly lead to reduced crop yields.

During the upcoming outlook period, model forecasts suggest little change in the distribution of rainfall across East Africa in relation to the past week. Average to above average rains are again expected across eastern Ethiopia, Somalia and Kenya, while a slight increase in rainfall is forecast across many anomalously dry areas within the *Belg*-producing areas of Ethiopia. The enhanced rainfall in the Greater Horn is expected to heighten the potential for additional flooding and exacerbate ground conditions for many overly saturated areas.

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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