

PUNTLAND DEYR RAINFALL PERFORMANCE OF 2024

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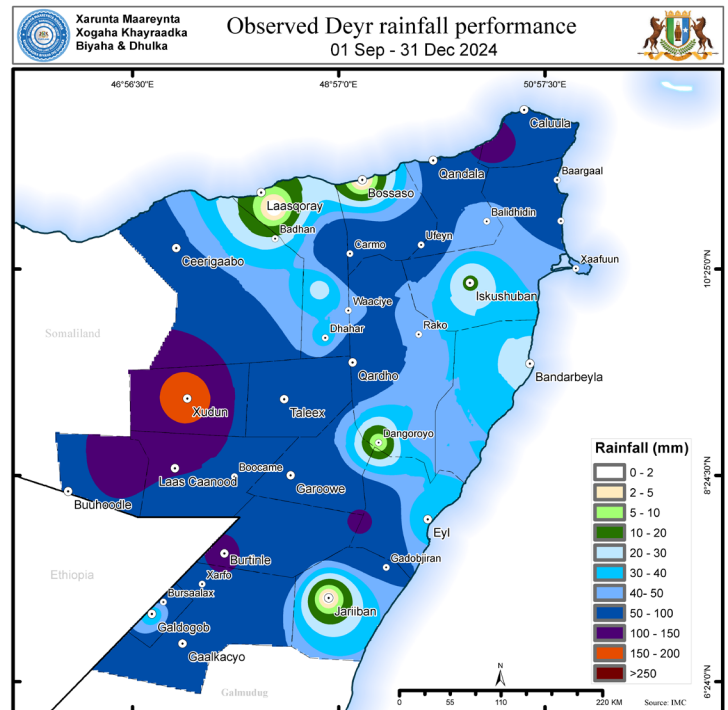
Below normal rainfall received during Deyr season of 2024 over Puntland.

Overview

The **Deyr 2024** season began in the third dekad of September and lasted until the end of November. Most of the rain gauges in Puntland recorded below normal rainfall, with the exception of Xudun, Murcanyo, Las'anod, Widh-widh, Burtinle, and Xasbahale stations, which received over 100mm of rain as shown in **(Map1)**.

Based on the cumulative rainfall observed from September to December (SOND), the districts of Xudun received the highest amount of rainfall 177.6 mm, Murcanyo 136.9 mm, Las'anod 134 mm, Widh-widh 121.8 mm, Burtinle 112 mm, and Xasbahale 109 mm. while the rest of districts have received less rains.

Meanwhile the Jariiban, Bossaso, and Laasqoray districts reported no rainfall during the season, as demonstrated in the observed rainfall **(Figure 1)**.



Map 1: Observed Deyr rainfall performance 2024

DEYR OBSERVED RAINFALL 2024

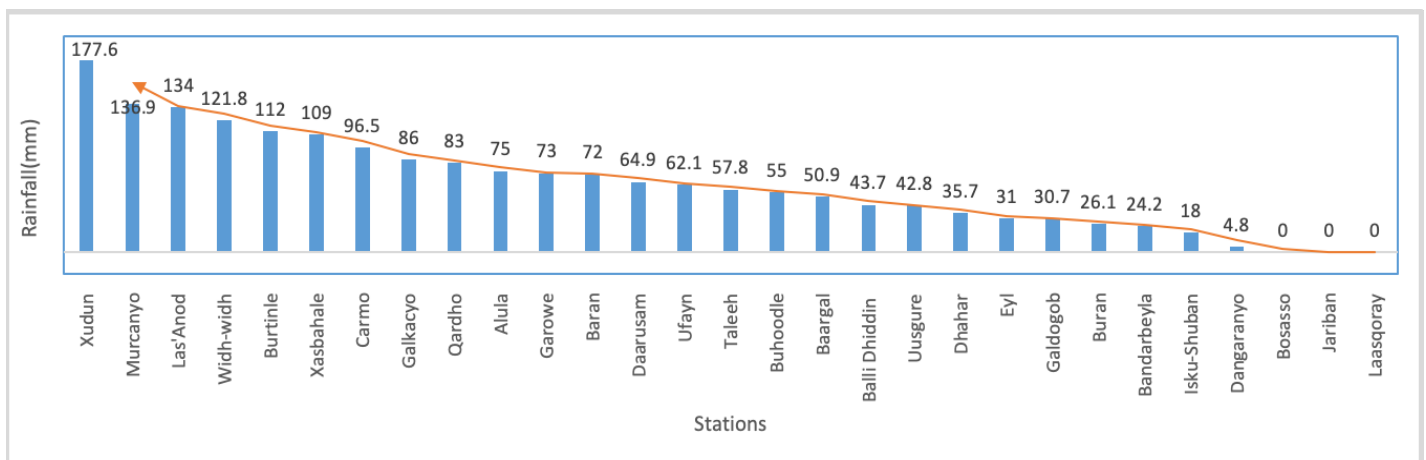


Figure 1. Deyr observed rainfall 2024

Figure 1: shows the observed Deyr 2024 rainfall across Puntland, with the graph clearly indicating that most stations recorded below-normal rainfall. While three stations reported no rainfall at all.

DEYR ANOMALY OF 2024

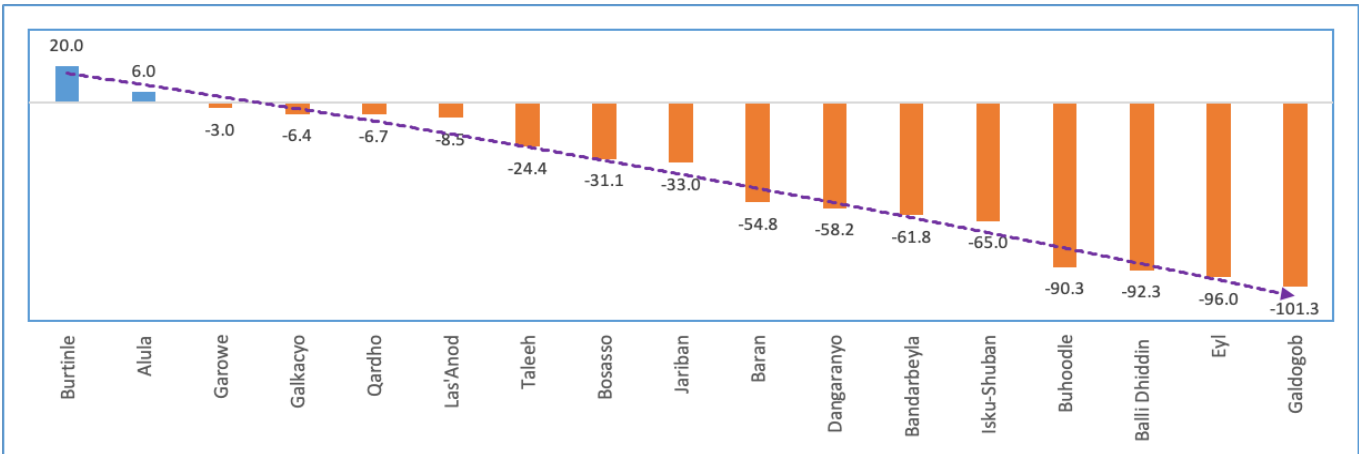
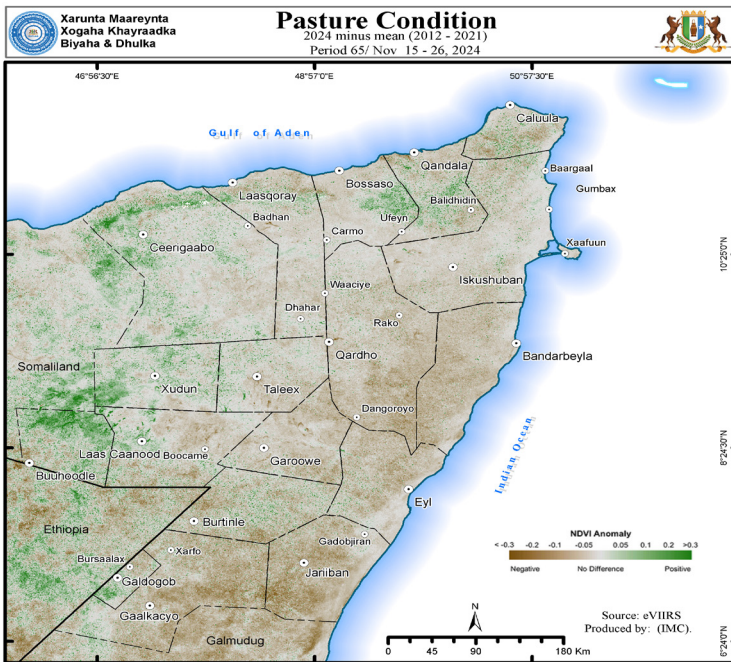


Figure 2: SON D Anomalies over Puntland

Figure 2: illustrates the anomaly of Deyr rainfall, with most stations recording less rains compared to the long-term average (LTA) rainfall over the past 15 years. The abnormality of the rainfall received are further exacerbating vulnerabilities in Puntland and will result food insecurity, water shortages, and decline in pasture availability. A positive value signifies that the station received more rainfall than the long-term average (LTA), while a negative value is indicating the stations experienced less rainfall than the LTA.

VEGETATION AND PASTURE CONDITION



Map 2: Pasture conditions

As represented in the pasture condition (**Map 2**) for Puntland dated November 15–26, 2024, the overall state of pasture and browse across the livelihood zones in Puntland showed minimal improvement as the rainy season came to an end. This was primarily attributed to the below-average rainfall during the Deyr season.

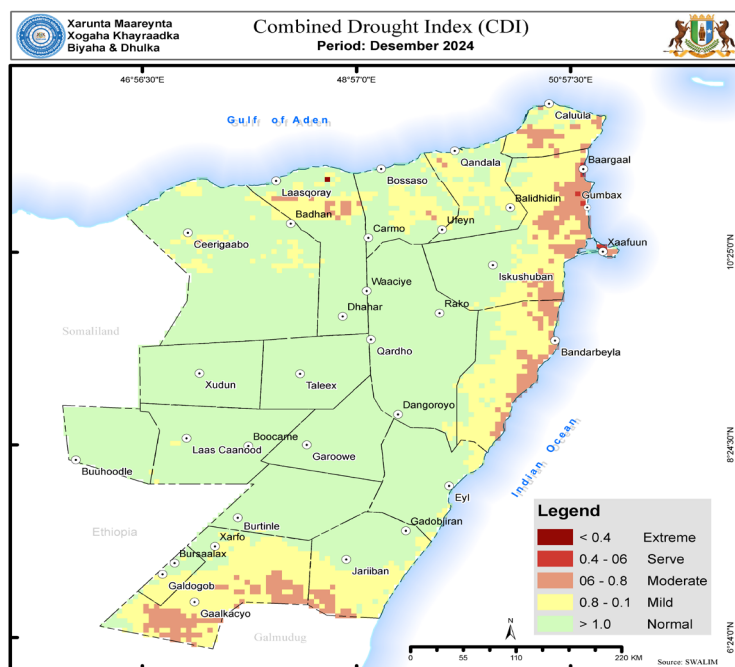
The Northern Inland Pastoral Zone (NIP), which is the largest livelihood zone in Puntland, showed little improvement in Pasture and browse. There are exceptions in localized areas, including the districts of Ceerigaabo, Xudun, Laascaanood, and Boocame where marginal improvements occurred.

Similarly, improvements in pasture were observed in areas within the Eastern Golis livelihood zone, particularly in the El-Miskat Mountains, covering the districts of Ufeyn, Qandala, Bali-dhidin, and Caluula. Also, the Hawd livelihood zone, particularly in the districts of Burtinle and Galdogob.

The Addun and Coastal Deex areas, including the districts of Jariiban, Godobjiran, Bayla, Eyl, Xaafuun, and Gumbax, experienced decreased in pasture conditions due to insufficient of Deyr rainfall received.

COMBINED DROUGHT INDEX (CDI)

The below-normal Deyr rainfall in Puntland might have a significant negative impact on multiple livelihood sectors. To begin with the water sector, the insufficient rainfall will lead to water shortages, affecting both rural and urban communities. For livestock, the below rain will result in reduced pasture availability, livestock migration, decline in body condition of livestock, decrease in animal production & productivity, and natural resources based conflicts (water and pasture) may also erupt. In agriculture, the limited rainfall has significantly reduced crop yields, threatening food security for many households.



The drought condition of December 2024 shows normal, mild, and moderate state. This analysis is derived from combination of precipitation drought index and Temperature drought index (**Map 3**).

Furthermore, the upcoming dry period is worsening the drought situation. These combined challenges are putting immense strain on the livelihoods of communities in Puntland, requiring urgent action and adaptive strategies.

RECOMMENDATIONS

- The ministries of Humanitarian and Disaster management, Water, Livestock, and Agriculture are advising to take proactive actions, including expanding services like water trucking, vaccination programs, and fodder distribution to support vulnerable communities.
- The government and humanitarian agencies are advised to intensify aid efforts and bolster proactive measures to mitigate the effects of the upcoming dry spells.
- Puntland IMC is committed to produce monthly drought updates.

