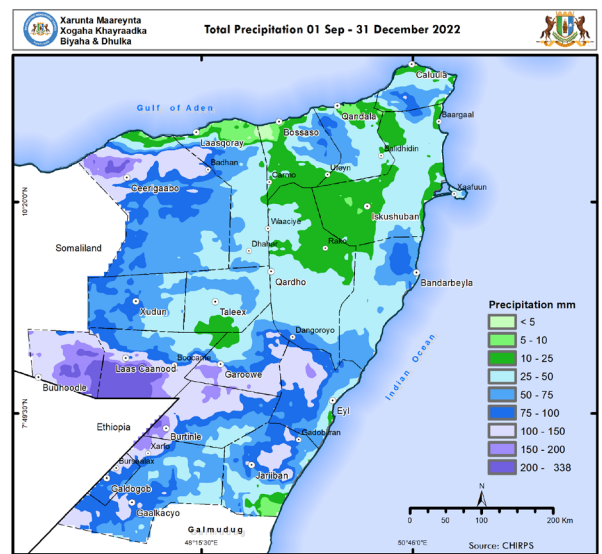


DEYR RAINFALL PERFORMANCE OF 2022

Issued: 18 Jan 2023

- Puntland received below normal rainfall in **Deyr 2022** making the fifth consecutive failed rainy seasons.
- Below normal rains ranging between **10** and **50** mm, have been recorded in the regions of Bari, Karkaar, Gardafu, Highland, and northern parts of Nugaal.
- The regions of Sanaag, Sool, Cayn, Mudug and parts of Nugaal recieved moderate rains between **(50-100)** mm.
- In widespread, pastoralists are migrating to areas which have received some rains in November and late December, putting under pressure to the already suffering grounds and resources.
- The below map illustrates the **Deyr 2022** rainfall performance through out the regions of Puntland.
- The chart below is also indicating the observed rainfall at rain gauges across Puntland mentioning.



Map 1: Deyr 2022 rainfall performance

Deyr 2022 recieved rainfall data per districts

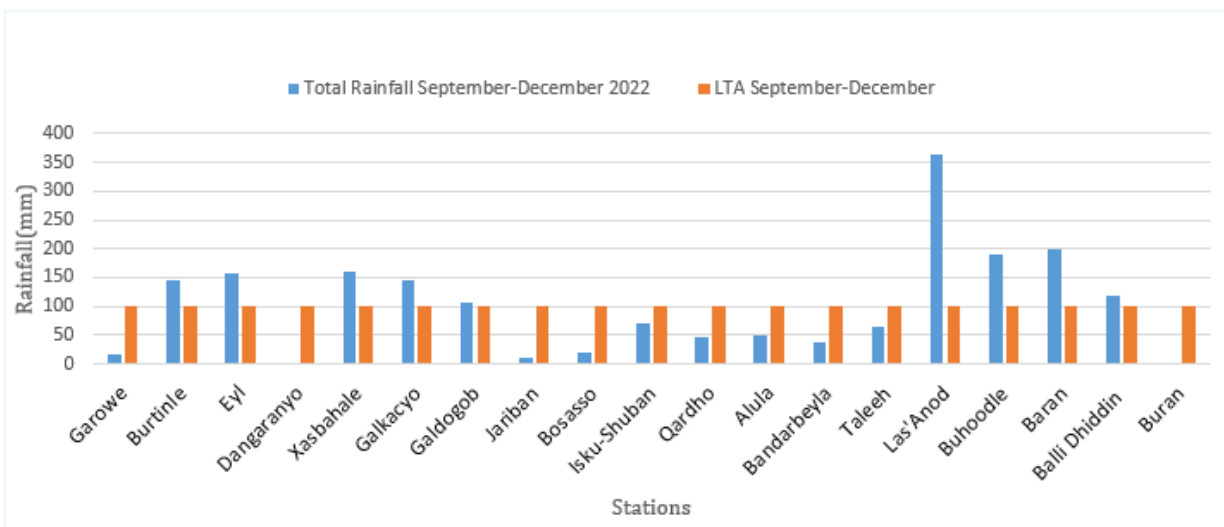
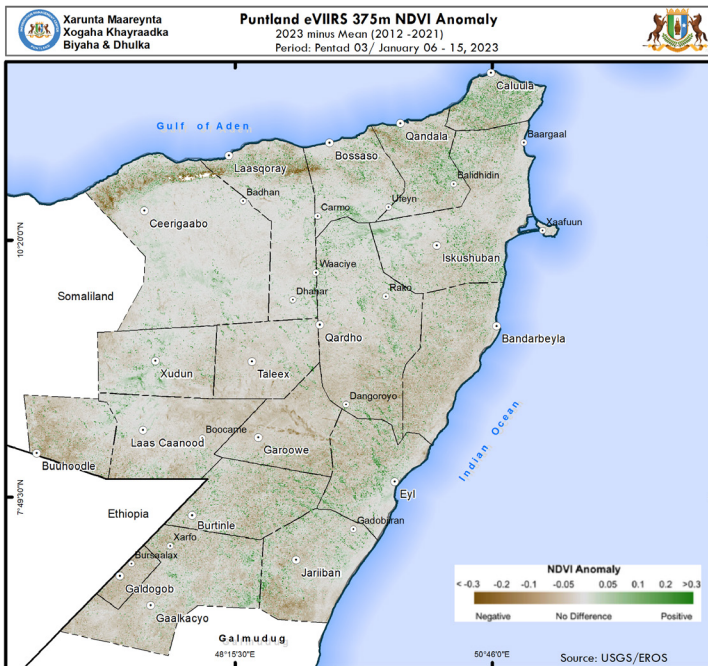


Figure 1: Deyr 2022 recieved rainfall data per districts.

Normalized Difference Vegetation Index Anomaly (NDVI)



Map 2: Pasture Condition/NDVI

- Poor to below averages of Deyr rains had a negative impact on the water and pasture conditions in most areas of Puntland.
- Data from NDVI Anomaly shows that there is a significant decline in both pastures and browse conditions due to the reduced rainfall amounts for five consecutive rainy seasons which has resulted in poor pastures and reduced biomass.
- Livelihoods in the east of the Gollis mountains in the districts of Qandala, Alula, Bargal, and Balidhidin have increased their pastures as they received moderate rains in January though there's influx increasing the pressure of the re-growing pasture.

- There is a great deficit in terms of vegetation and pasture condition in some parts of the Northern Inland Pastoral areas of Nugal and Dharoor valleys which were mostly poor or did not receive enough rain to change the condition of pasture and water scarcity in those areas.
- Some parts of Hawd livelihood in Burtinle, Buhoodle, and Gal-dogob districts experienced slight pasture and water improvements.
- According to the ground information Pastoralists have majorly migrated to the livelihoods of Addun in the districts of Jerriban, and Godobjiran and the east of Gollis mountains of Alula, Qandala, and Bargal districts and also some parts of northern Hawd plateau have significantly improved the condition of their pastures and browse in the middle and End of deyr season.

Recommendations

- The government of Puntland, local and the international partners should make advance preparations and incorporate their plans to lessen the possible negative consequences of the upcoming dry period.
- The pastoral communities are advised to prepare for the upcoming dry season by stockpiling the fodder and manage the water sources effectively to avoid water stress.
- Rehabilitation of water sources, distribution of essential items, such as animal fodder, water, and nutrition kits should be prioritized with parallel efforts of managing the locally available resources efficiently.

