

Impact Spotlight

Kasigau Corridor REDD+ Project Q1 2022



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LAND**

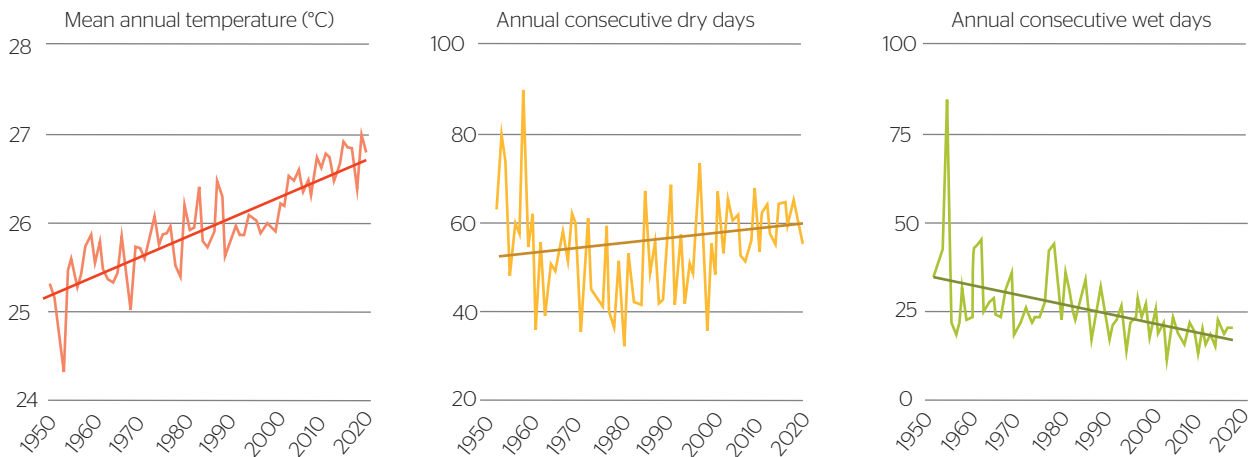
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SPOTLIGHT SUMMARY

Access to clean water is a top community development priority at the Kasigau Corridor REDD+ project. In an already semi-arid landscape with limited access to clean and safe water, climate change is creating drastic changes to rainfall patterns in the region, resulting in widespread drought and water shortages. Over the past 50 years, mean annual temperature has risen by nearly 2°C, while the number of consecutive dry days is increasing and consecutive wet days are decreasing - resulting in higher frequency and magnitude droughts impacting the region. The seasonal precipitation patterns are highly unpredictable, challenging the efficient management of water resources in the project zone. This is leaving devastating impacts on the community, their livestock, and wildlife in the project area.



Regional climate data from World Bank Climate Change Knowledge Portal (1950-2021)

The best local strategies to address water scarcity and safeguard supply include renovating water rock catchments that store water in small depressions during rains, building water tanks, improving water harvesting with gutter systems in hospitals and schools, digging water dams, and renovating water chambers in piping extensions. Beyond assisting the community, drinking stations are being established across known migration pathways to ensure wildlife have continuous access. As water scarcity continues to be a major issue facing the community, water projects will remain a top priority of the Locational Carbon Committees (LCCs) - the community led governing bodies which are responsible for making decisions about how funding received from the project is spent.





KEY ACTIVITIES

Clean water initiatives, financed during the LCC project selection process, include 57 individual projects completed since 2012, such as:

- ✔ 35 installations of water harvesting infrastructure, including roof guttering and storage tanks,
- ✔ 22 water pipeline connection projects (both construction of new ones and rehabilitation of existing pipelines)
- ✔ Construction of 2 rock catchments and 2 roof catchments
- ✔ Dam scooping in 2 locations and desilting of 3 water pans.

These projects are critically important to the health, well-being and prosperity of the community. With better access to clean water, communities have reduced distances to walk to clean water sources, having a direct impact on women and children who are usually tasked with fetching water for their families. This burden of a days long journey typically results in earnings lost, school missed and leaves women and girls vulnerable in remote areas. Access to clean water is also crucial for improved sanitation and reducing hygiene related illnesses.





Having reliable and accessible infrastructure that provides access to water is crucial to reducing poverty, human-wildlife conflict and environmental degradation. Over the lifetime of the project:

- ✔ A total of 50 water projects have been initiated
- ✔ Kshs 42,306,677 (USD 363,922) spent on water projects
 - ✔ (21% of total LCC funds spent on water projects to date: Kshs 203,487,345)
- ✔ 83,567 beneficiaries from water projects (84% of local community members)





CURRENT NEWS

During Q1 2022, four 100,000L tanks were installed at Itinyi, Mwamzeke, and two tanks in Bungule. The LCCs also proposed other pending projects, including water projects below:

- ✔ Water pipeline distribution to 6 points at Kiteghe village
- ✔ Water pipeline distribution to 3 points at Kirongwe village
- ✔ Water pipeline distribution to 6 points in Itinyi village
- ✔ Water pan excavation at Kwa Lewa water pan in Mkamenyi
- ✔ Water pan expansion at Bafwe water pan near Ngambenyi





THE FUTURE

Access to clean water remains a fundamental issue in the Kasigau Corridor. Water scarcity due to the existing dryland climate and the compounding negative impacts of climate change have exacerbated this challenge. Water projects and initiatives that address these challenges are expected to continue being a prominent part of the project's activities and theory of change. The long-term ambition is to ensure that all community members in the project area have access to clean and reliable water sources, ending suffering and loss of life.

