



TANA RIVER DELTA
GREEN HEART

Transform lives
Spur economic growth
Sustain nature values

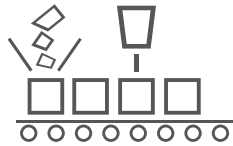


The Rationale

Agriculture is key to the Kenyan economy. This rapidly expanding and highly profitable sector contributes approximately **33 per cent of the Gross Domestic Product (GDP) and employs more than 40 per cent of the total population and 70 per cent of the rural population.** Agriculture is a top foreign exchange earner in Kenya and offers numerous investment opportunities across the agro-business value chain:



Production



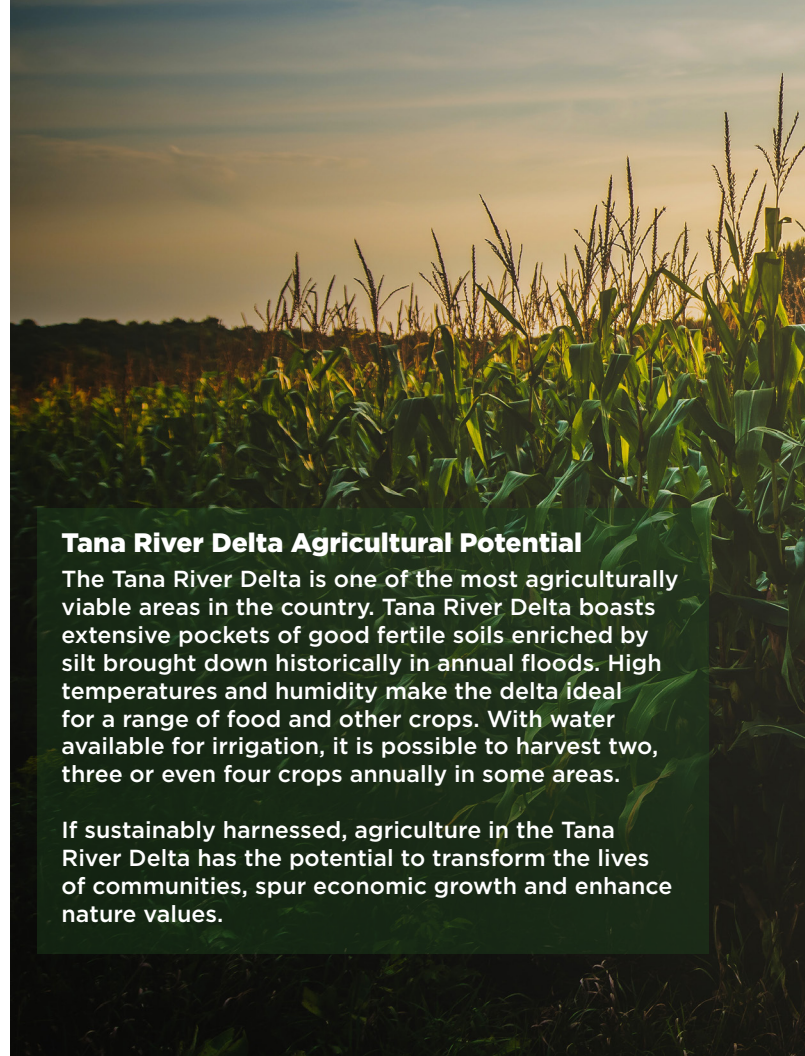
Processing



Packaging



Distribution



Tana River Delta Agricultural Potential

The Tana River Delta is one of the most agriculturally viable areas in the country. Tana River Delta boasts extensive pockets of good fertile soils enriched by silt brought down historically in annual floods. High temperatures and humidity make the delta ideal for a range of food and other crops. With water available for irrigation, it is possible to harvest two, three or even four crops annually in some areas.

If sustainably harnessed, agriculture in the Tana River Delta has the potential to transform the lives of communities, spur economic growth and enhance nature values.

The Tana Green Heart

Objective

Promote the sustainable production, processing, and marketing of products from the Tana River Delta to create wealth and employment, improve local community welfare and livelihoods, and enhance biodiversity conservation.

The Tana Delta Green Heart Project offers a vision for the future and a means of achieving this goal within the next thirty years. This project is a collaboration between the Tana River and Lamu County Governments, national agencies and international partners to:



Sustainably create wealth



Safeguard vital wetlands and other habitats in Tana River Delta



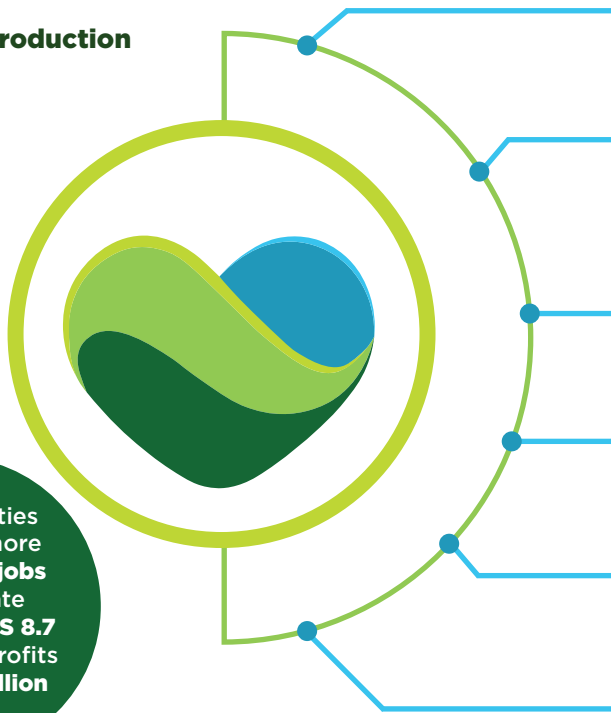
Boost the livelihoods of the 120,000 Tana River Delta inhabitants



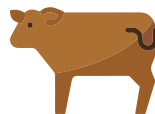
“Touted as one of the most innovative sustainable development initiatives in Africa, the Tana Green Heart Project presents an ideal investment opportunity in green value chains for sustainable growth.”

The Green Heart Targets

Primary Production



These activities will create more than **19,000 jobs** and generate more than **KES 8.7 billion**, with profits of **KES 2.5 billion** annually.



20,000 Ha

of dedicated grazing land for beef cattle rearing



5,000 Ha

for vegetable production in 80 communal and private farms



3,000 Ha

for rice growing



2,000 Ha

for fruit farming



Extensive aquaculture and beekeeping



a thriving eco-tourism industry

Value Addition and Processing

Tana Delta Green Heart Project will establish a 60 Ha pilot Green Industrial Park, ideally located close to the Malindi - Garisa Road near Garsen town. Once fully developed, the park will position the Tana Delta as a competitive agro-business hub in Kenya and beyond.

The Green Industrial Park will feature:

- Modern supporting infrastructure and basic amenities;
- Good access roads;
- Ample go-down construction and parking space, and
- Secure surroundings.



Investment Opportunities

Investment opportunities in the Tana River Delta exist in primary production, value addition and processing.

In Primary Production

Rice Farming: The Tana River Delta offers scope for substantial rice production under the Tana Delta Sustainability Board, with appropriate investment in water supply and effective management and maintenance of flood protection dykes and levees.

Private investors and local farmers would then be encouraged to undertake rice farming.



Investment opportunities

Rice farming, supply of seeds, implements and irrigation technologies.

Horticulture: A study conducted in 2018 indicated a considerable potential for small-scale irrigation schemes operated by local farming cooperatives in the Tana Delta. A variety of horticultural crops are suitable for such in the Delta. They include tomatoes, onions



and chillies. Demand for fruits and vegetables exists in local markets in Witu, Lamu, Garsen and Malindi, and further afield in towns along the coast road to Mombasa.

Investment opportunities

Production, of high-value vegetables, supply of seeds, implements and irrigation technologies.

Livestock rearing: Currently, the Delta hosts an estimated 200,000 head of cattle during the rainy season. The Tana Delta Green Heart Project will establish 20,000 hectares of dedicated grassland for premium-grade cattle grazing.

This area will progressively be managed for between 5-10 years with the capacity to fatten 50,000 head of cattle annually. An abattoir and meat processing facility will be put up near Garsen. Meat products from the Tana Delta will be marketed under an exclusive brand name to attract premium prices. Other livestock, including cattle, raised outside the core area would also form part of the overall marketing initiative.



Investment opportunities

Beef cattle rearing, supply of veterinary products.

Investment Opportunities

In Value Addition & Processing

Fruit Processing: Tana River County is a major producer of mangoes in Kenya. Several varieties of bananas also grow in the county abundantly.

Investment opportunities

Juice processing, canning, drying, packaging and distribution.



Sunflower: Sunflowers can grow in less fertile and semi-arid areas and are commonly inter-cropped with or used as a rotational crop for cereals. Sunflower is an oil seed crop, a good source of premium-grade edible vegetable oil. Many consumers worldwide are turning to sunflower oil as a healthier cooking option. Sunflower is also a good source of protein for animals.



It is one of the key ingredients used in the manufacture of animal feed. Demand for sunflower for edible oil production currently exceeds supplies. With its conducive soils and ideal climatic conditions, the Tana River Delta offers potential for sunflower cultivation.

Investment opportunities

Sunflower cultivation, edible oil extraction, processing, packaging and distribution.

Soybeans: Soybeans can be grown in tropical areas as one way of enriching soils. The Kenya Agricultural and Livestock Research Organization (KARLO) has developed a variety suited for the Tana River Delta. Soybeans are ideal for inter-cropping with other traditional crops and have market value for food and fodder.



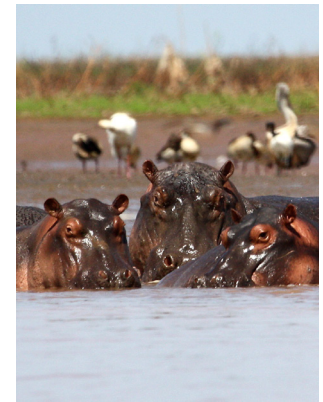
Investment opportunities

Soybean processing

Other Investment Opportunities

The Tana Delta Green Heart Project will provide additional investment opportunities in:

- Fisheries;
- Beekeeping;
- Harvesting of natural resources;
- Eco-tourism linked to biodiversity conservation;
- Trading/marketing, and
- Transportation and other support services.



Project Partners

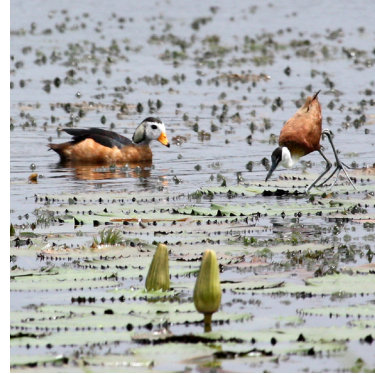


About Tana River Delta

Tana River Delta straddles Tana River and Lamu counties. The Delta comprises a vast patchwork of palm savanna, seasonally flooded grasslands, forest fragments, acacia woodland, lakes, marine wetlands and the river itself. Tana River Delta is internationally recognized as a wetland of global importance. The area harbours high biodiversity due to its rich and diverse habitats.

Over 120,00 people living in the core of the Delta depend on River Tana for livelihood. Farming communities practice agriculture on the receding lake edges. Pastoralists use the Delta's wetlands as dry season grazing grounds for their livestock. Fishing communities are dependent on lakes and watercourses for fish supplies.

Over the years, resource use conflicts in the Delta have escalated as demand for competing land uses, natural resources, conservation and community interests have intensified. A participatory land-use planning process was initiated in 2011 to promote regulated access, wise use and improved rangeland management in the Tana River Delta. The Tana Delta Green Heart Project is designed to deliver the preferred strategy set out in the Tana River Delta Land Use Plan (2014).





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