GEF Impact Zones Report

Objective

This project aims to identify where deforestation is happening close to or within Kenya's protected natural areas. This helps conservationists and decision-makers understand where urgent action may be needed to protect biodiversity and prevent environmental degradation.

Areas Analyzed

- Protected Areas:
- Nairobi National Park
- Ngong Forest
- Deforestation Points:

Two areas showing signs of deforestation were analyzed for their proximity to protected areas.

Method Used

We used digital mapping (GIS) tools to:

- 1. Mark the locations of protected areas and deforestation.
- 2. Create a surrounding 'zone of influence' around protected areas.
- 3. Check if deforestation points fall within or near these protected zones.

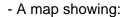
This helped us see where protected ecosystems may be at risk.

Findings

- Overlap Found: Some deforestation is happening within or very close to protected areas.
- These are classified as impact zones, where immediate attention may be needed to stop further damage.

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Output



- Protected areas (in outline)
- Deforestation points (in red)
- Impact zones (in green)
- A shapefile ('gef_impact_zones.shp') that can be opened in mapping software like QGIS for further analysis or reporting.

Why This Matters

Identifying these zones helps:

- Focus conservation resources.
- Monitor illegal land use or encroachment.
- Protect Kenya's valuable ecosystems for future generations.