

Parc National du Niokolo Koba, SEN

Forest Loss 2001–2025

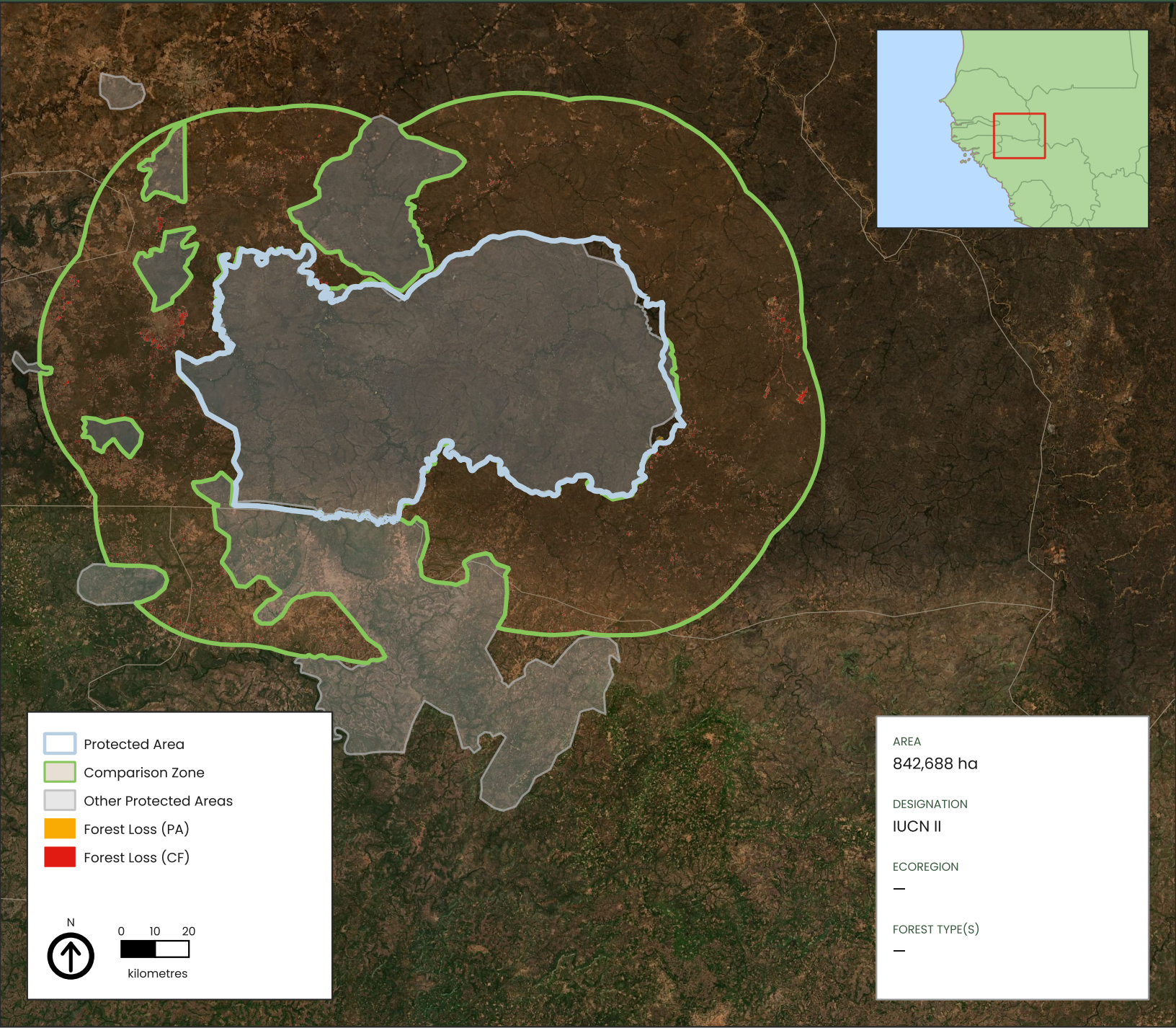
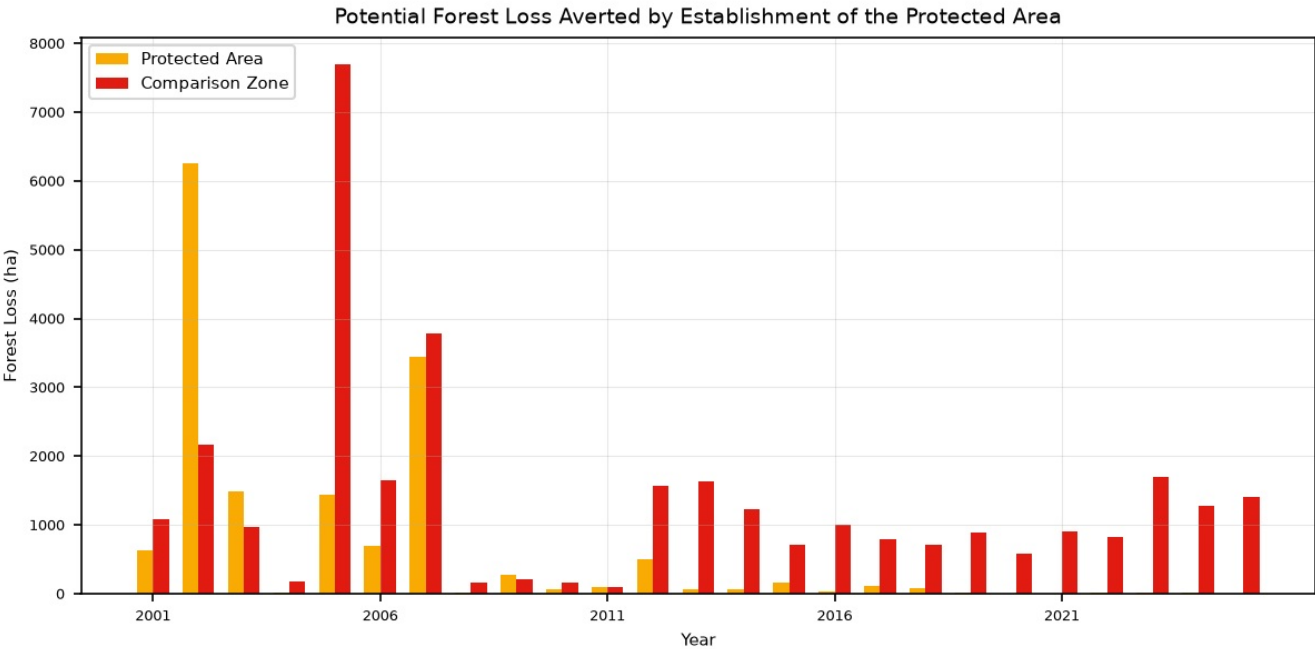


Image of protected area and/or unique wildlife

Overview of site (≈200 words)

Parc National du Niokolo Koba lies in Senegal, covering 842,688 hectares and designated IUCN II. The surrounding comparison area — a 40 km terrestrial buffer excluding other protected areas — spans 17,558 km².



Interpretation of Results (≈200 words)

Over the 2001–2025 study period, Parc National du Niokolo Koba lost 19.3% of its forest cover on a normalized mean-loss-year basis, compared to 45.1% for the 40 km comparison zone, yielding a treatment effect of roughly 25.8% increased loss inside the protected area (equal to approximately 6.4 years of forest life lost). A canopy-height similarity of 98.6% indicates the comparison area is structurally well-matched to the protected forest.

Key Results

Protected Area Loss	19.3%
Comparison Zone Loss	45.1%
Treatment Effect	25.8%
Canopy Similarity	98.6%
Years Saved (est.)	6.4

Conclusion (≈100 words)

Protection status in Parc National du Niokolo Koba appears to have been ineffective at limiting deforestation within site boundaries. The protected area experienced 19.3% forest loss compared to 45.1% in the comparison area over the 2001–2025 study period.

Data Sources / Credits

- WDPa: World Database on Protected Areas — PA boundaries
- GFw/UMD: Hansen Global Forest Change v1.13 — tree cover loss (30 m)
- NASA FIRMS: MODIS TERRA/AQUA fire detections
- GSHHG v2.3.7: coastline mask for terrestrial clipping
- Natural Earth: basemap for geographic context