

Parc national du Darien, PAN

Forest Loss 2001–2025

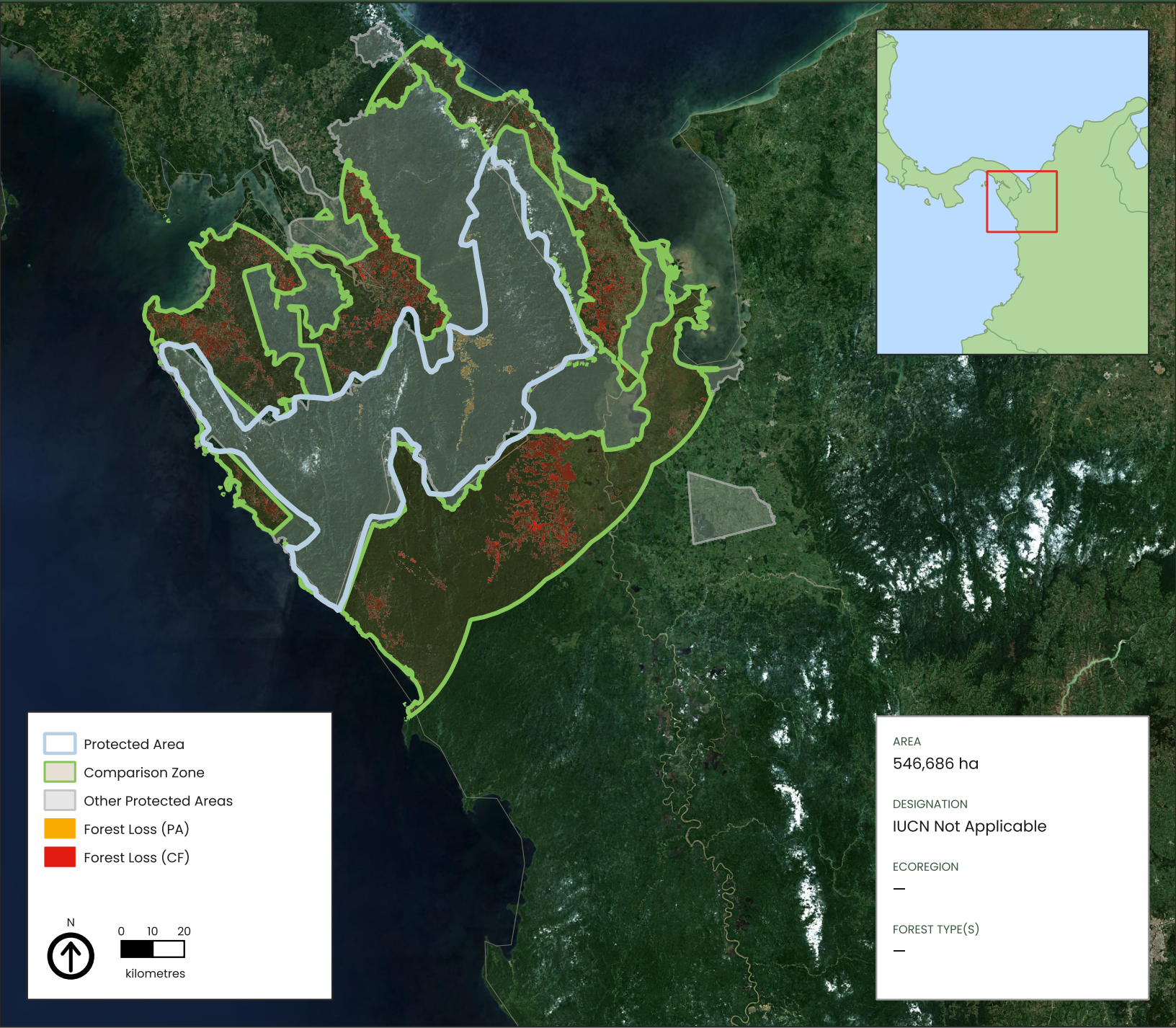
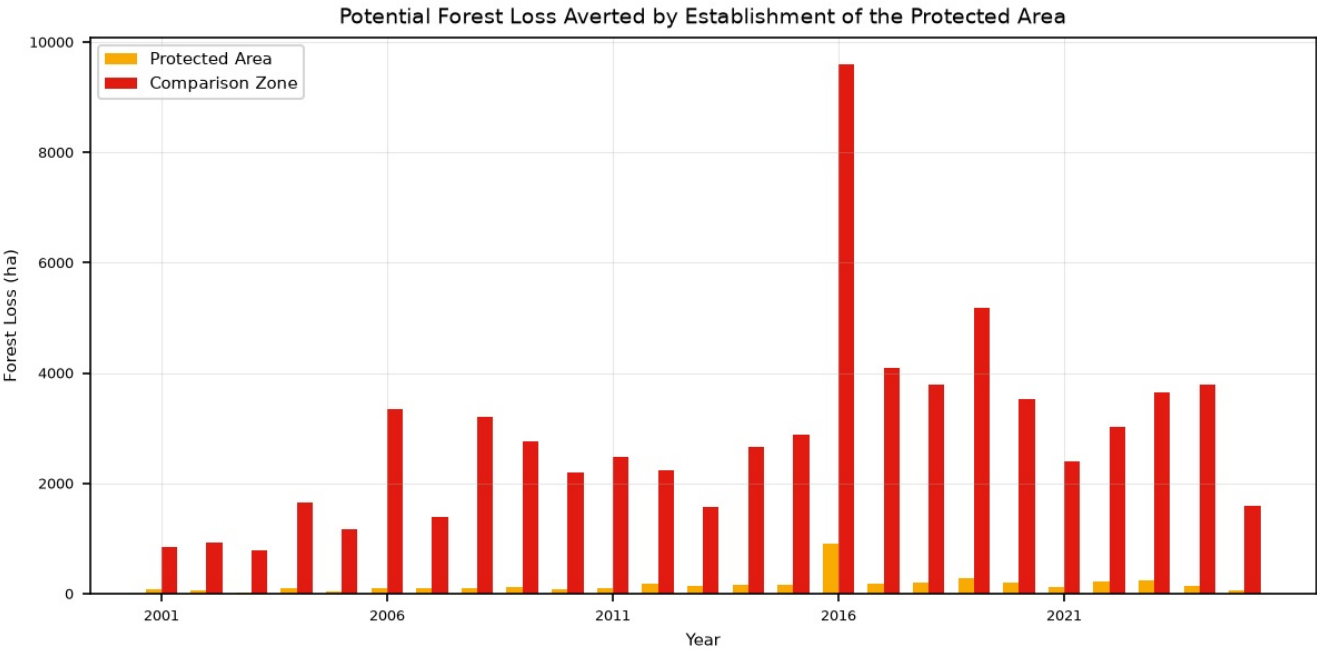


Image of protected area and/or unique wildlife

Overview of site (≈200 words)

Parc national du Darien lies in Panama, covering 546,686 hectares and designated IUCN Not Applicable. The surrounding comparison area — a 40 km terrestrial buffer excluding other protected areas — spans 9,278 km².



Interpretation of Results (≈200 words)

Over the 2001–2025 study period, Parc national du Darien lost 61.6% of its forest cover on a normalized mean-loss-year basis, compared to 62.0% for the 40 km comparison zone, yielding a treatment effect of roughly 0.3% increased loss inside the protected area (equal to approximately 0.1 years of forest life lost). A canopy-height similarity of 85.0% indicates the comparison area is structurally well-matched to the protected forest.

Key Results

Protected Area Loss	61.6%
Comparison Zone Loss	62.0%
Treatment Effect	0.3%
Canopy Similarity	85.0%
Years Saved (est.)	0.1

Conclusion (≈100 words)

Protection status in Parc national du Darien appears to have been ineffective at limiting deforestation within site boundaries. The protected area experienced 61.6% forest loss compared to 62.0% 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