

Otishi, PER

Forest Loss 2001–2025

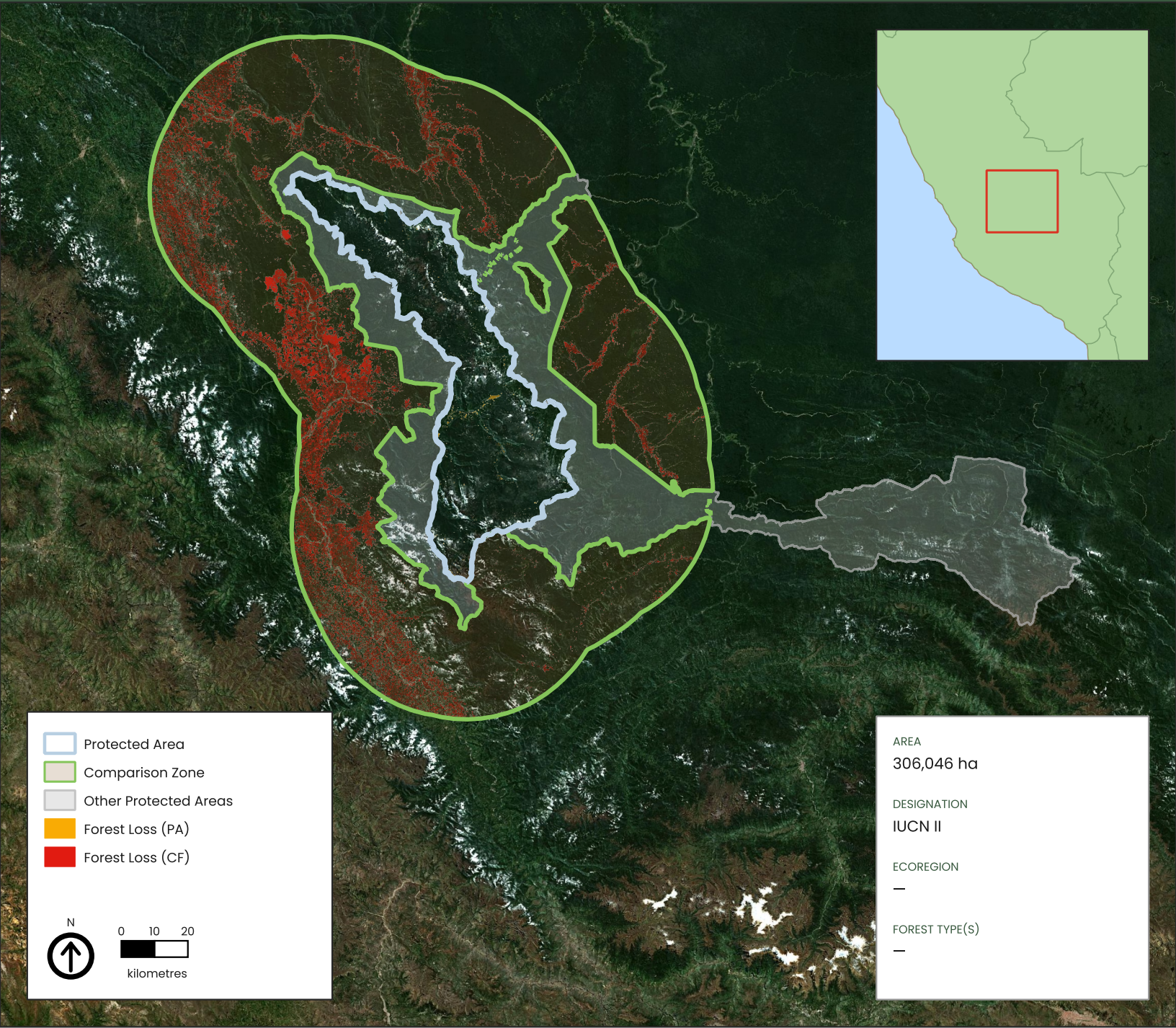
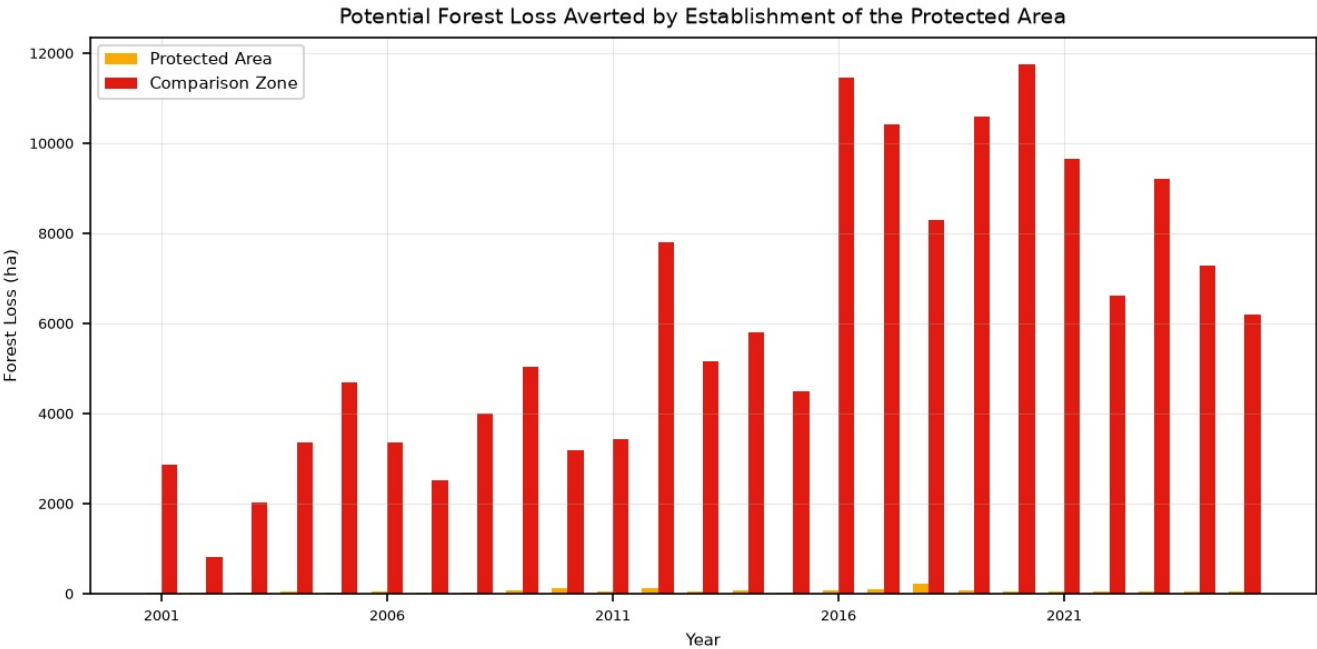


Image of protected area and/or unique wildlife

Overview of site (≈200 words)

Otishi lies in Peru, covering 306,046 hectares and designated IUCN II. The surrounding comparison area — a 40 km terrestrial buffer excluding other protected areas — spans 14,445 km².



Interpretation of Results (≈200 words)

Over the 2001–2025 study period, Otishi lost 56.5% of its forest cover on a normalized mean-loss-year basis, compared to 63.9% for the 40 km comparison zone, yielding a treatment effect of roughly 7.4% increased loss inside the protected area (equal to approximately 1.8 years of forest life lost). A canopy-height similarity of 112.3% indicates the comparison area is structurally well-matched to the protected forest.

Key Results

Protected Area Loss	56.5%
Comparison Zone Loss	63.9%
Treatment Effect	7.4%
Canopy Similarity	112.3%
Years Saved (est.)	1.8

Conclusion (≈100 words)

Protection status in Otishi appears to have been ineffective at limiting deforestation within site boundaries. The protected area experienced 56.5% forest loss compared to 63.9% 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