

Huay Kha Khaeng, THA

Forest Loss 2001–2025

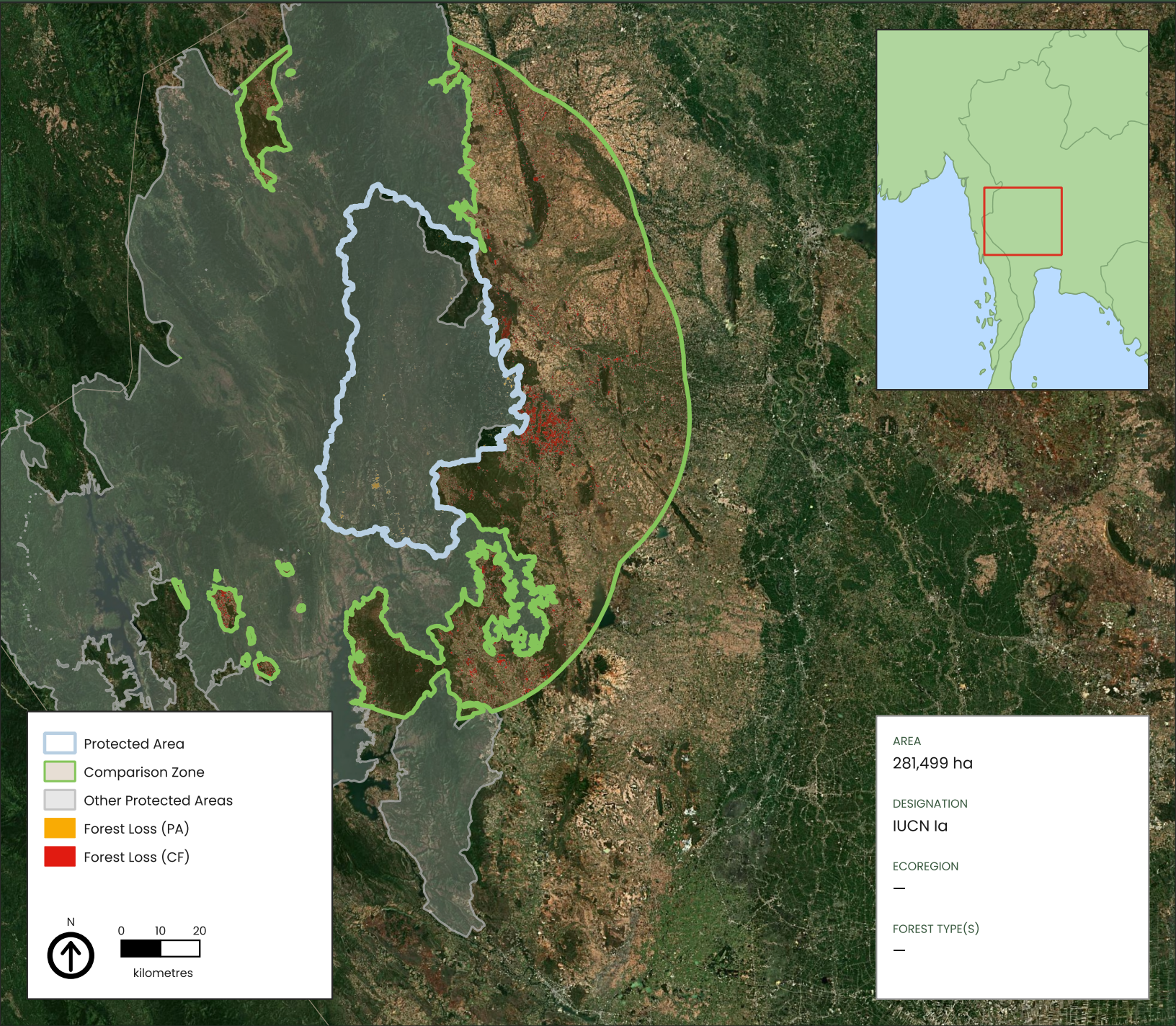
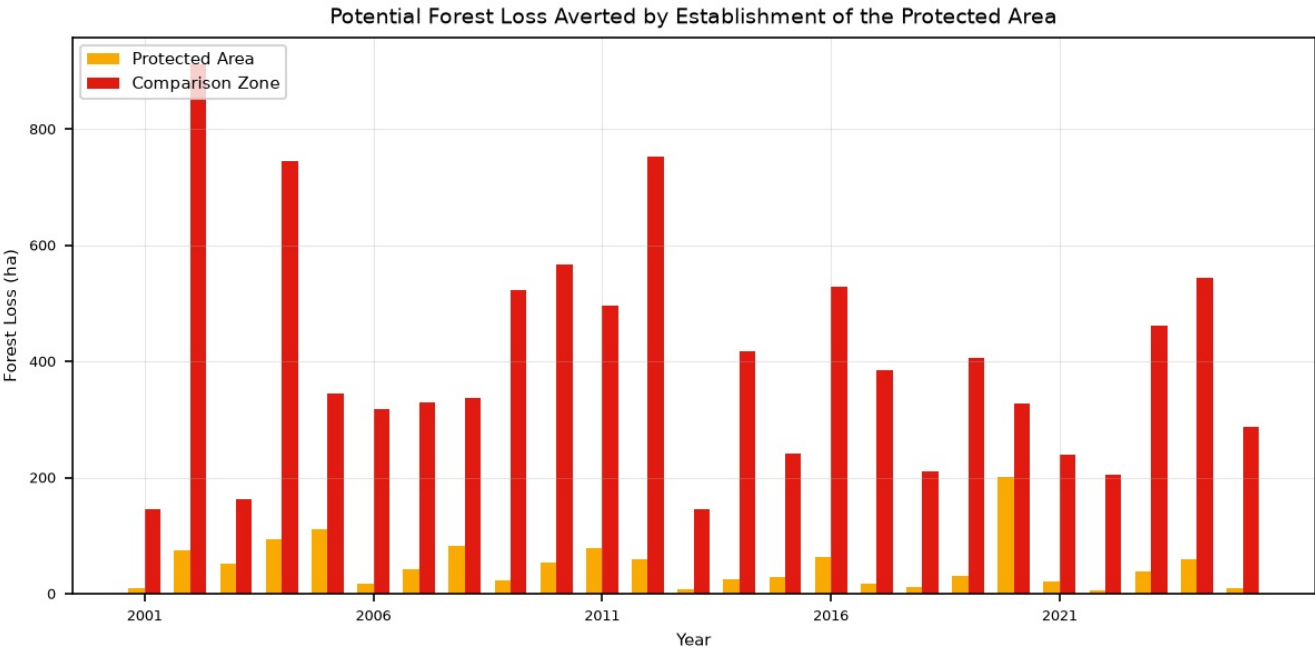


Image of protected area and/or unique wildlife

Overview of site (≈200 words)

Huay Kha Khaeng lies in Thailand, covering 281,499 hectares and designated IUCN Ia. The surrounding comparison area — a 40 km terrestrial buffer excluding other protected areas — spans 6,629 km².



Interpretation of Results (≈200 words)

Over the 2001–2025 study period, Huay Kha Khaeng lost 51.5% of its forest cover on a normalized mean-loss-year basis, compared to 61.4% for the 40 km comparison zone, yielding a treatment effect of roughly 9.9% increased loss inside the protected area (equal to approximately 2.5 years of forest life lost). A canopy-height similarity of 52.2% indicates the comparison area is structurally well-matched to the protected forest.

Key Results

Protected Area Loss	51.5%
Comparison Zone Loss	61.4%
Treatment Effect	9.9%
Canopy Similarity	52.2%
Years Saved (est.)	2.5

Conclusion (≈100 words)

Protection status in Huay Kha Khaeng appears to have been ineffective at limiting deforestation within site boundaries. The protected area experienced 51.5% forest loss compared to 61.4% 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