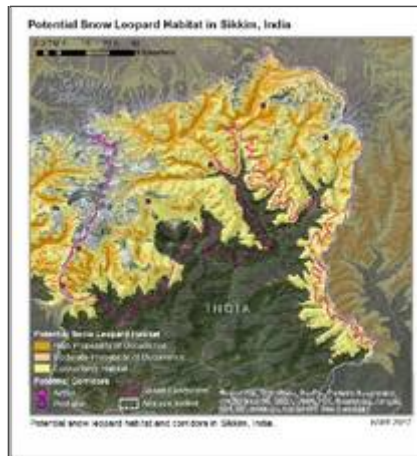


Snow Leopard Habitat of the Sikkim Landscape, India

Raster Dataset



Tags

There are no tags for this item.

Summary

This file represents snow leopard habitat of the Sikkim Landscape, India and the adjacent Kanchenjunga Conservation Area, Nepal.

Description

The data on snow leopard habitat in Sikkim, India and the adjacent Kanchenjunga Conservation Area in Nepal is an aggregation of two models: The first model projects the best patches of habitat for snow leopards, particularly during the summer months when water sources may influence the distribution of snow leopards and their prey. This model was based on DEM, slope, land use and distance from nearby water sources and 44 snow leopard occurrence points. These habitat patches are described in the maps as high and moderate probability of occurrence. The second model was used to map areas of presumed connectivity between the best habitat patches. It was also produced using Maxent at larger extent, and is based on slope, ruggedness, DEM, land cover, and snow leopard observations. . Snow leopards may reside in connective habitat for longer periods of time during the winter months, when water is more evenly distributed throughout the landscape in the form of snow.

Snow leopard habitat class codes: [Value] 0= Nonhabitat, 1=High Probability of Occurrence, 2=Moderate Probability of Occurrence, 3=Connectivity Habitat

Credits

WWF 2017

For more information, see:

Ghose, P., Forrest, J., Sindorf, N., Gopala, A. 2017. Landscape Analysis and Mapping of Snow Leopard Habitat in the Sikkim Landscape (ECL), India. Chapter 2 of 6 in Landscape Mapping for Biodiversity Conservation, Water Resources Management, and Climate Adaptation at Six Sites in the Snow Leopard Range (eds. Forrest, J., Sindorf, N., Bartlett, R.). WWF and USAID. www.thirdpolegeolab.org

Use limitations

There are no access and use limitations for this item.

Extent

West	84.907063	East	90.139400
North	30.034208	South	24.969647

Scale Range

Maximum (zoomed in)	1:5,000
Minimum (zoomed out)	1:150,000,000

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