

Potential Shift in Snow Leopard Climate Envelope in and around the South Gobi Landscape

Shapefile



Tags

There are no tags for this item.

Summary

This dataset represents Potential Shift in the Suitable Climate Envelope for snow leopards, in and around the South Gobi Snow Leopard Landscape of Mongolia from the current time period to the end of century (2080-2099).

Description

This map represents Potential Shift in the Suitable Climate Envelope for snow leopards, in and around the South Gobi Landscape of Mongolia from the current time period to the end of the century (2080-2099). It was clipped from a rangewide snow leopard climate envelope model, with methods described by Sindorf et al. 2014. Resolution is 10km. Suitable climate envelope infers that snow leopard habitat could exist, provided that other necessary conditions (suitable land

cover, rugged areas, low human impact, etc) also exist there. There may be a delay from end of century climate conditions and the change in snow leopard population distribution.

0=Unsuitable Climate Envelope (current and 2080's)

10 = Climate Envelope Loss (current to 2080's)

11 = Suitable Climate Envelope both years

1=Climate Envelope Gain

Credits

Sindorf, N., Forrest, J., and Arakwiye, B. 2014. Guardians of the Headwaters: Snow Leopards, Water Provision, and Climate Vulnerability. Washington, D.C.: WWF. www.thirdpolegeolab.org

and

Forrest, J., Sindorf, N., Sharma, K. 2017. Landscape Analysis and Mapping of Snow Leopard Habitat in the South Gobi Landscape, Mongolia. Chapter 6 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., Bartlett, R., Sindorf, N.). Available at: www.thirdpolegeolab.org

Use limitations

There are no access and use limitations for this item.

Extent

West	95.001148	East	104.941841
North	48.608927	South	41.468429

Scale Range

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

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