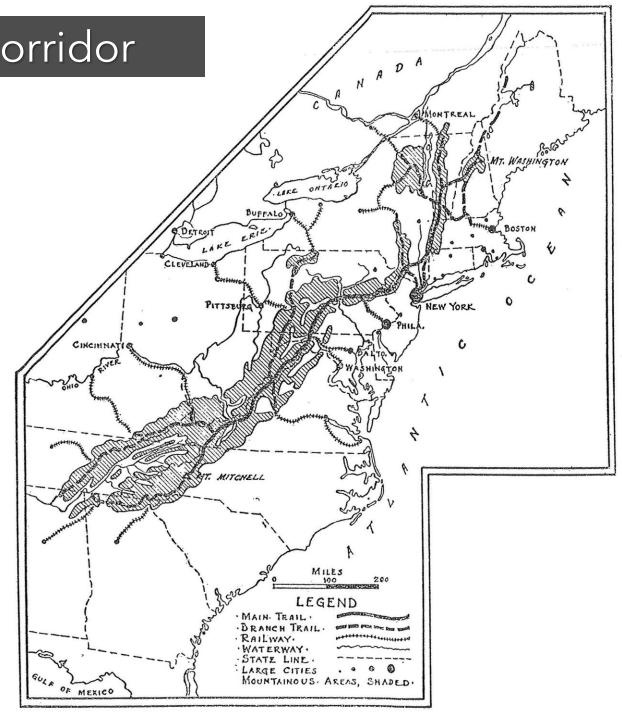


Just cut to the chase...

- 1. Aspirational and regional visions for conservation can motivate action (e.g., Y2Y).
- 2. The Appalachian Mountains are a critical region for connectivity and biodiversity, especially in the face of climate change.
- 3. Data can help identify the most important sections of the AT and put conservation into a broader context.
- 4. The Appalachian Trail can serve as the "flagship" of a Y2Y-like model, but conservation of biodiversity requires coordination across the broader region.

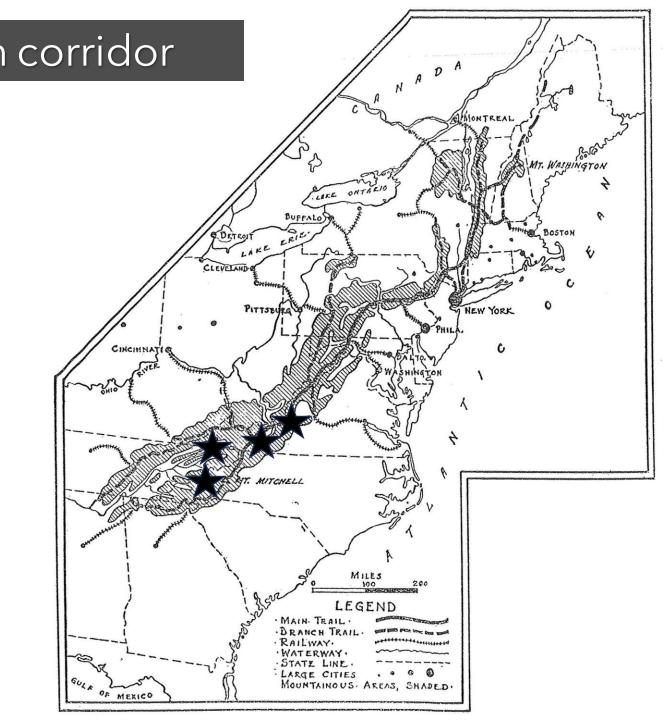


Founders of The Wilderness Society, 1936



Appalachian Trail as recreation corridor

Scientists of The Wilderness Society, 2017

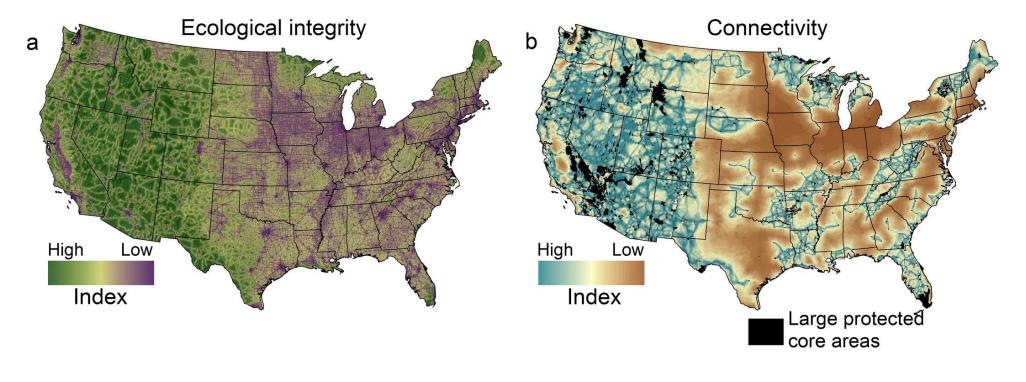


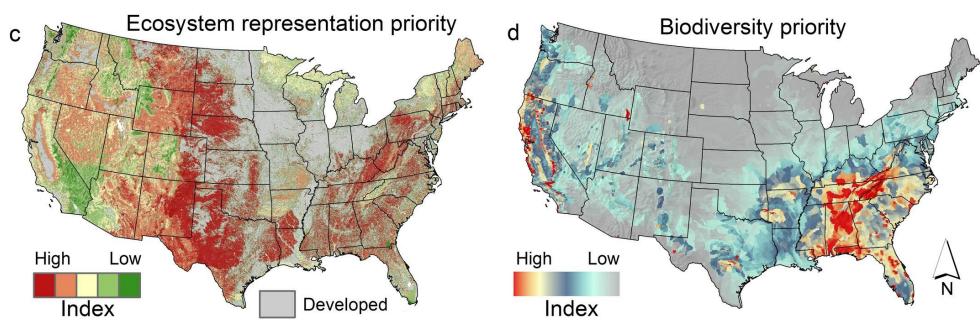
Global conservation priorities

Target 1. ...[retain] ecosystems of high ecological integrity

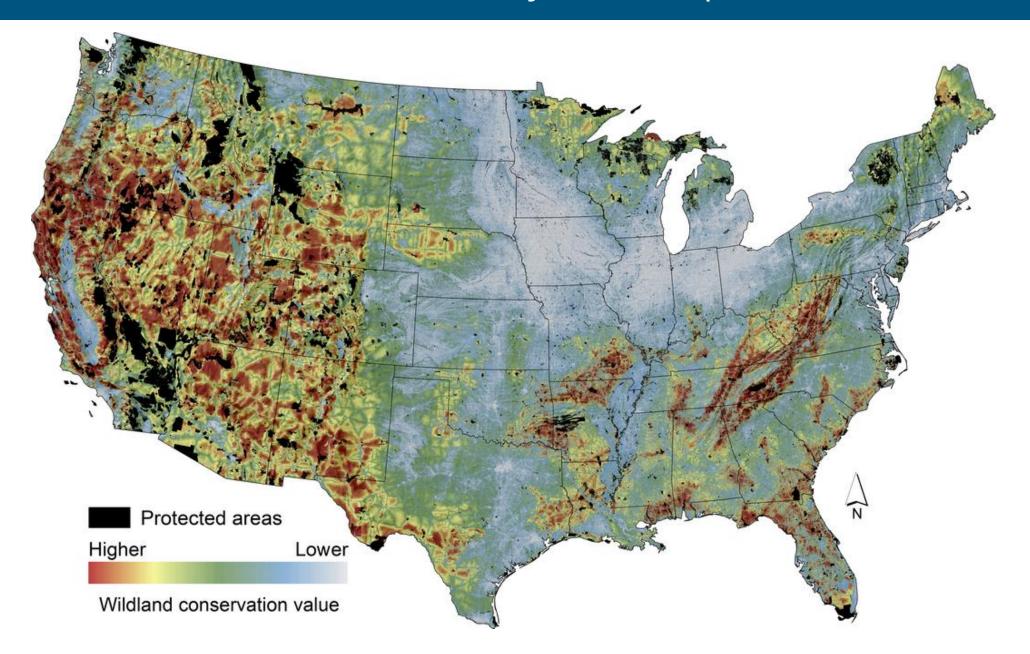
Target 3. Ensure that at least 30 per cent of land areas, especially areas of particular *importance for biodiversity* are conserved through *ecologically representative and well-connected systems of protected areas* and integrated into wider landscapes.

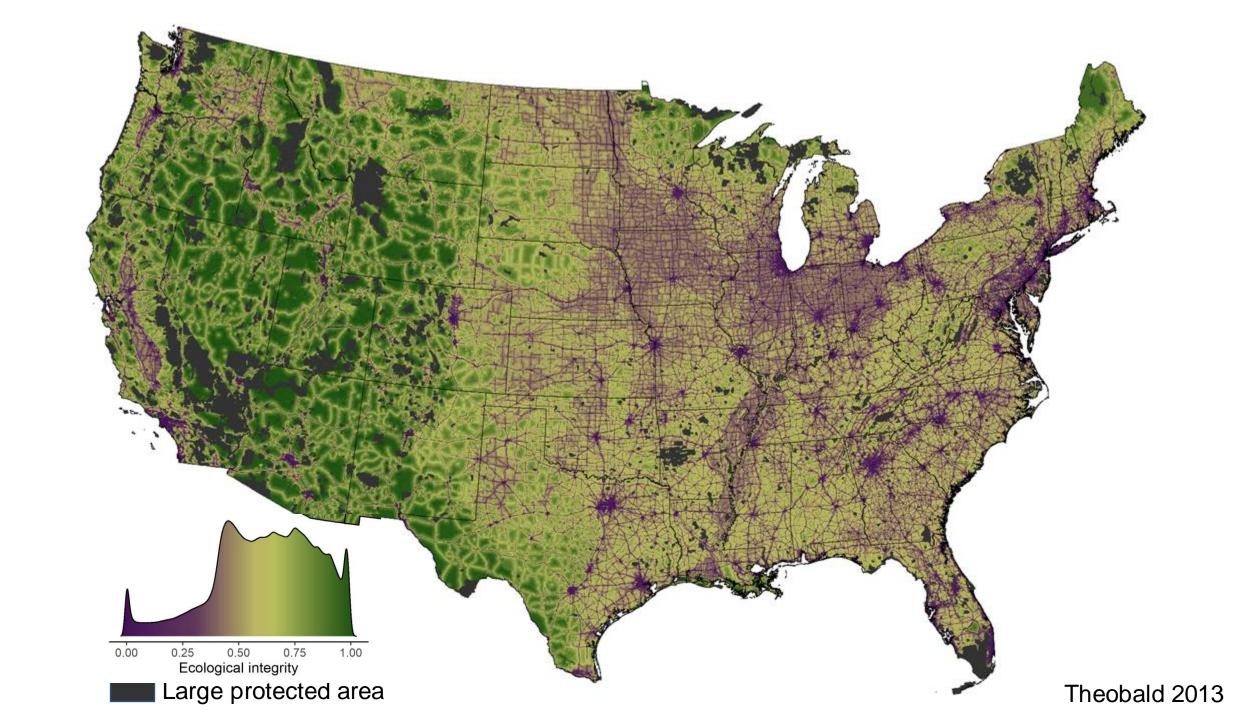


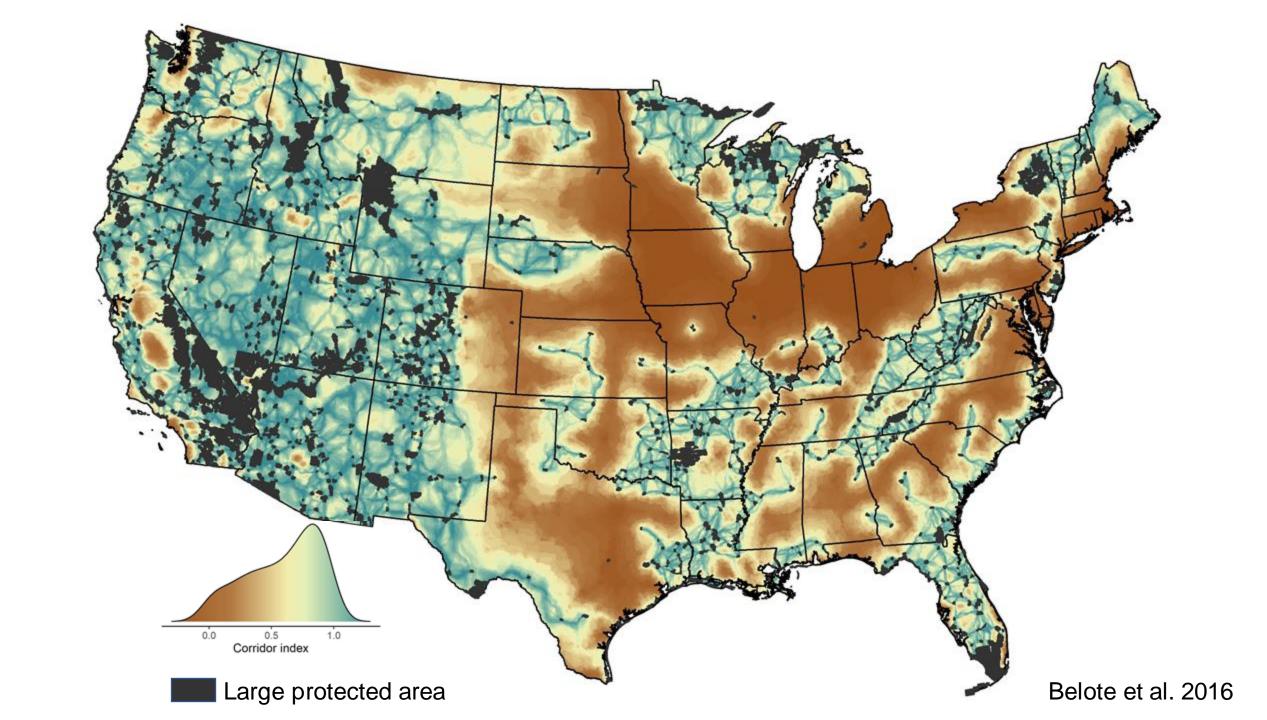




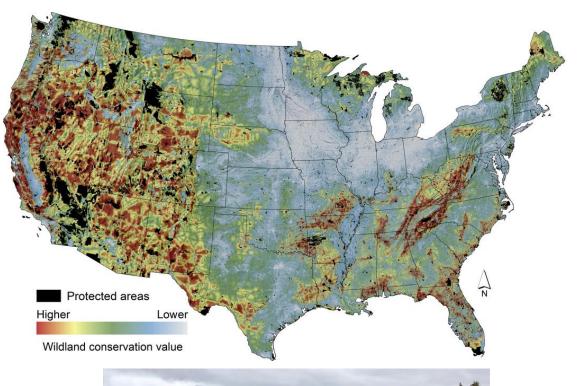
representative and connected system of protected areas?



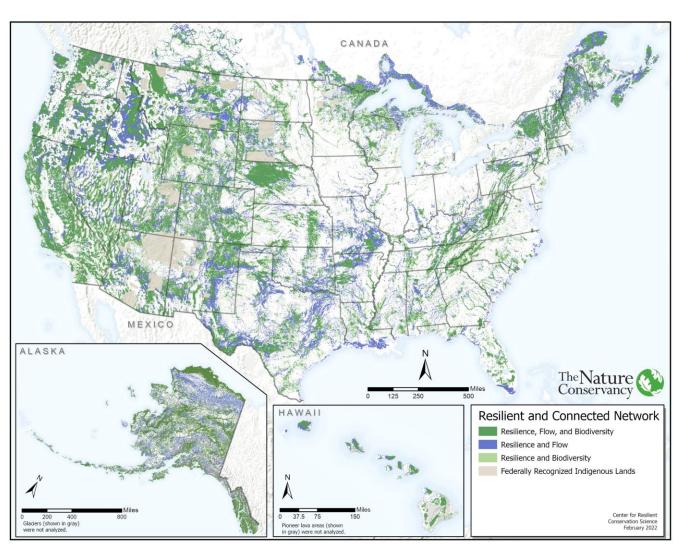


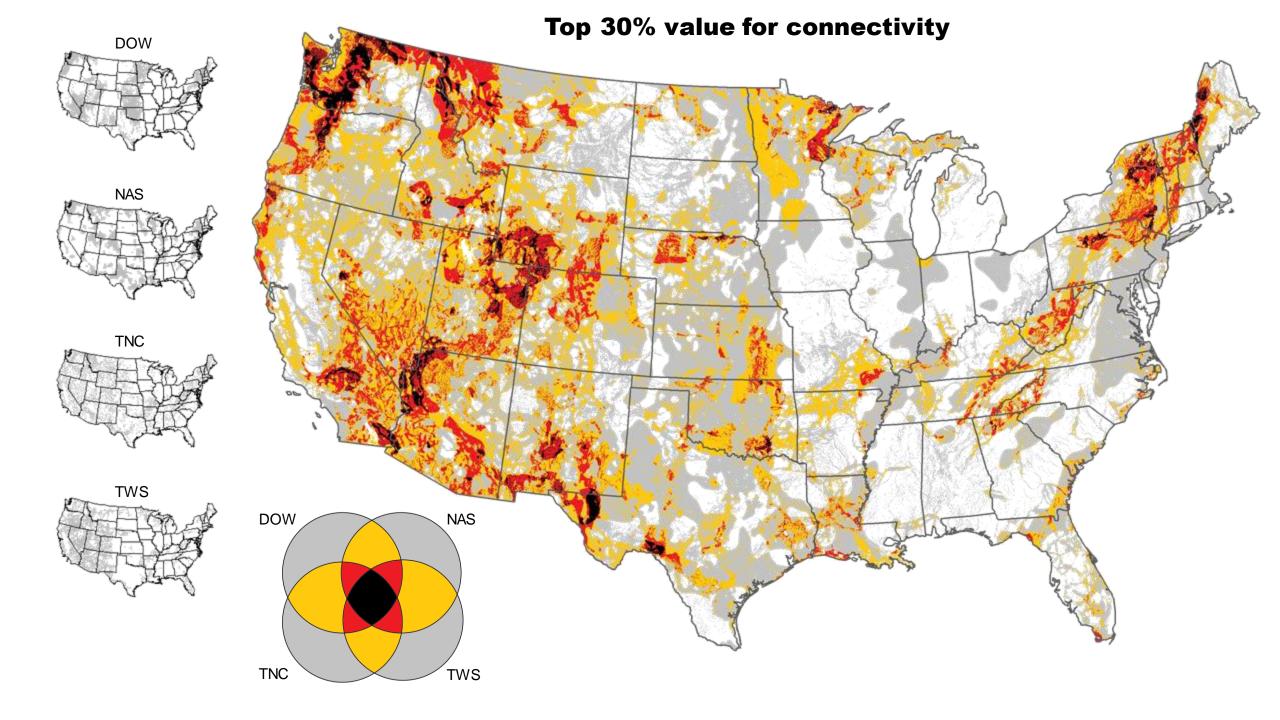


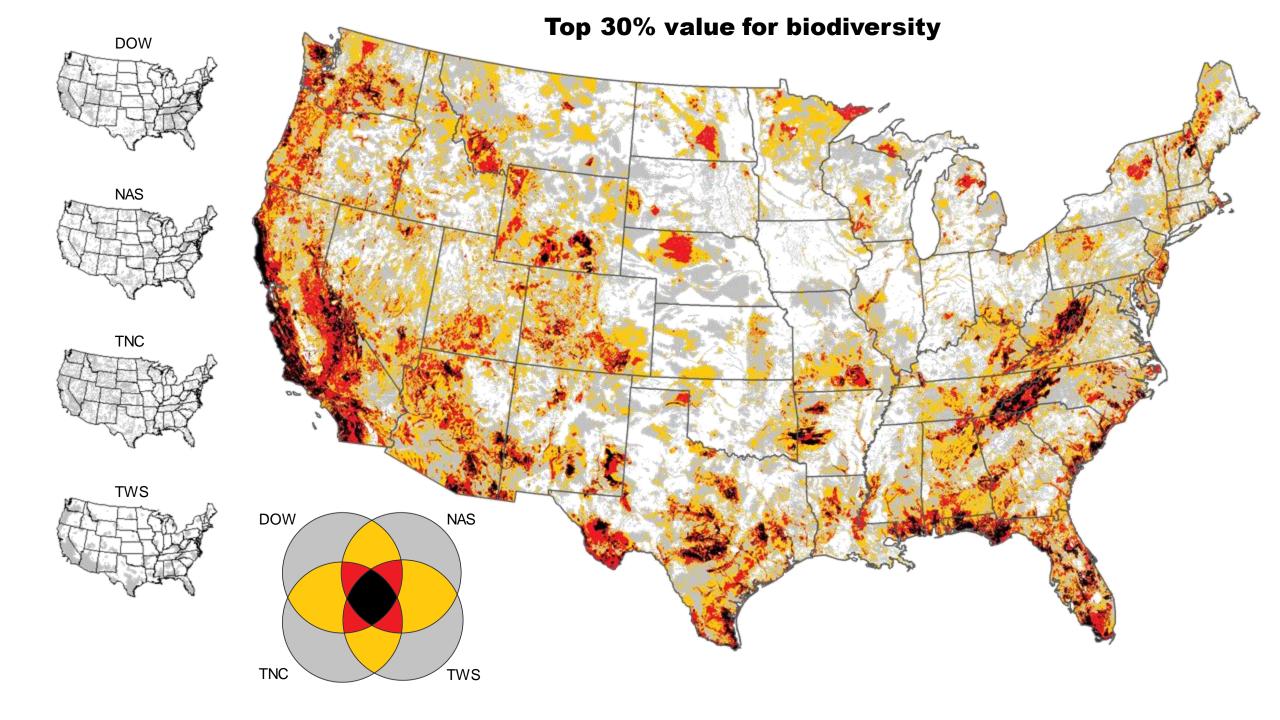
Many maps of conservation importance

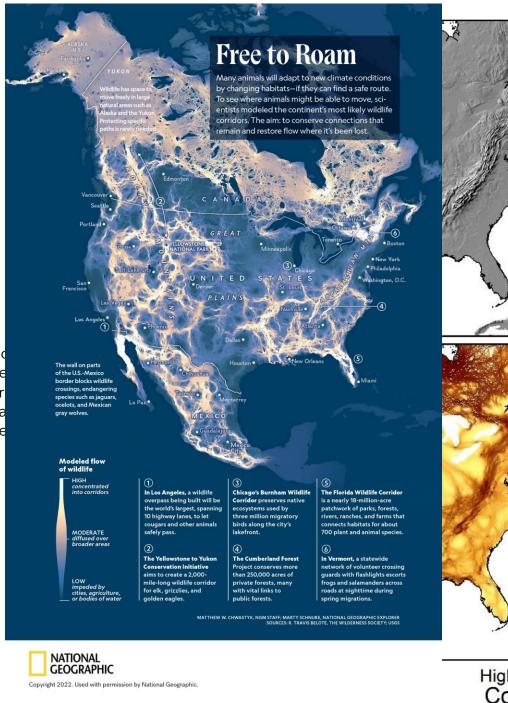


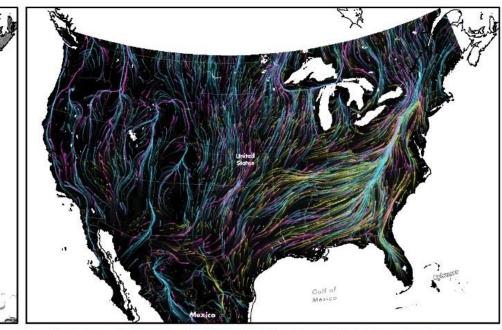






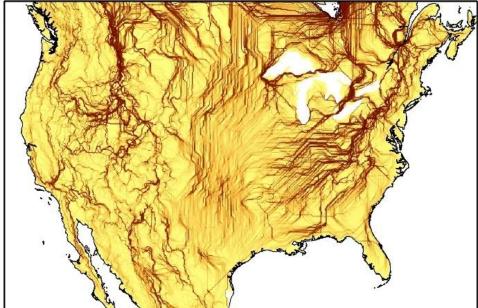






Migrations in motions, based on Lawler et al. 2013

Climate analog movements, Carroll et al. 2018



High Connectivity importance

DOI: 10.1111/csp2.588

PERSPECTIVE



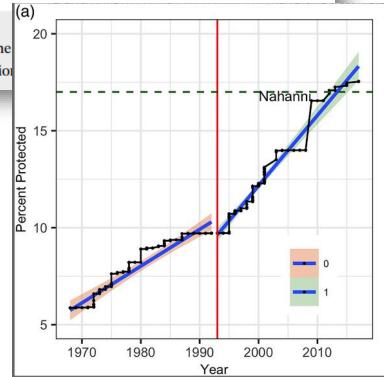
Can a large-landscape conservation vision contribute to achieving biodiversity targets?

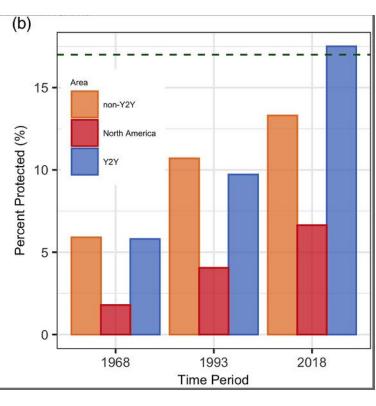
Mark Hebblewhite¹ | Jodi A. Hilty² | Sara Williams¹ | Harvey Locke³ | Charles Chester⁴ | David Johns⁵ | Gregory Kehm⁶ | Wendy L. Francis⁷

¹Wildlife Biology Program, Department of Ecosystem and Conservation Sciences, W.A. Franke College of Forestry and Conservation, University of Montana, Missoula, Montana, USA

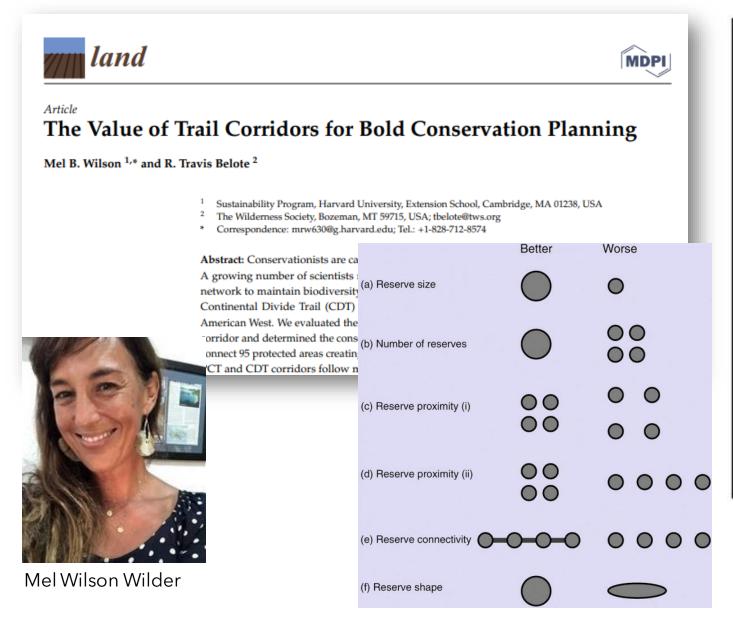
Abstract

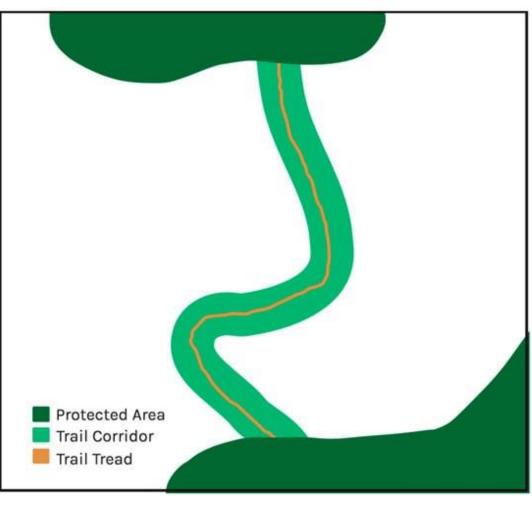
Founded in 1993, the Yellowstone earliest large-landscape conservation

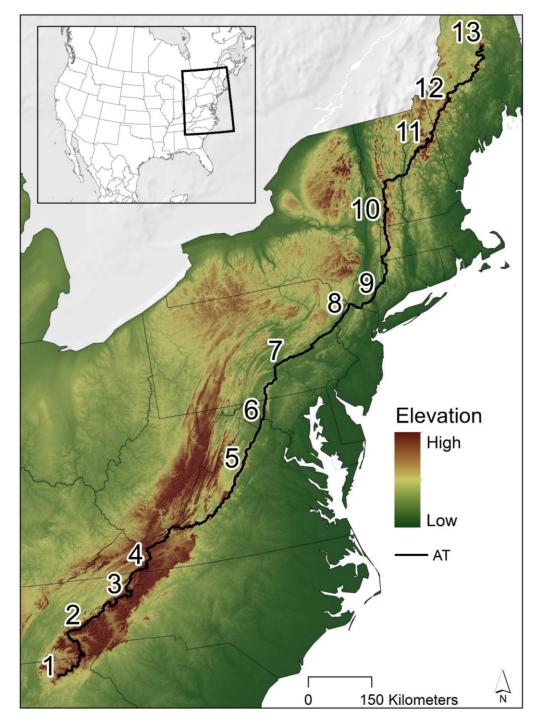


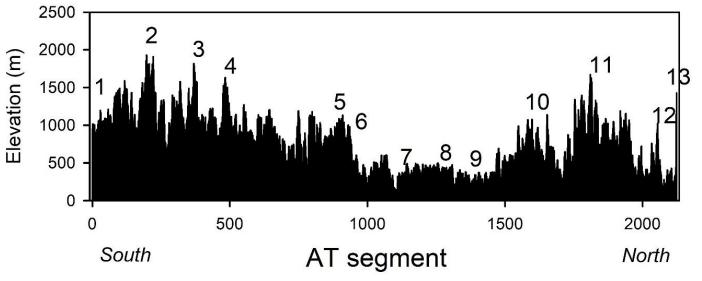


buffered trails as corridors?









- 1 = Springer Mountain
- 2 = Great Smoky Mountains NP
- 3 = Roan Mountain
- 4 = Mt. Rogers
- 5 = Shenandoah NP
- 6 = Harpers Ferry
- 7 = Susquehanna River
- 8 = Delaware Gap
- 9 = Hudson River
- 10 = Green Mountains
- 11 = White Mountains
- 12 = Maine's 100 mile wilderness
- 13 = Mt. Katahdin



in protection beyond the corridor of the Appalachian Trail

Peter S. McKinley¹ | R. Travis Belote² | Gregory H. Aplet³

- ¹The Wilderness Society, Hallowell, Maine ²The Wilderness Society, Bozeman,
- Montana
- ³The Wilderness Society, Denver, Colorado

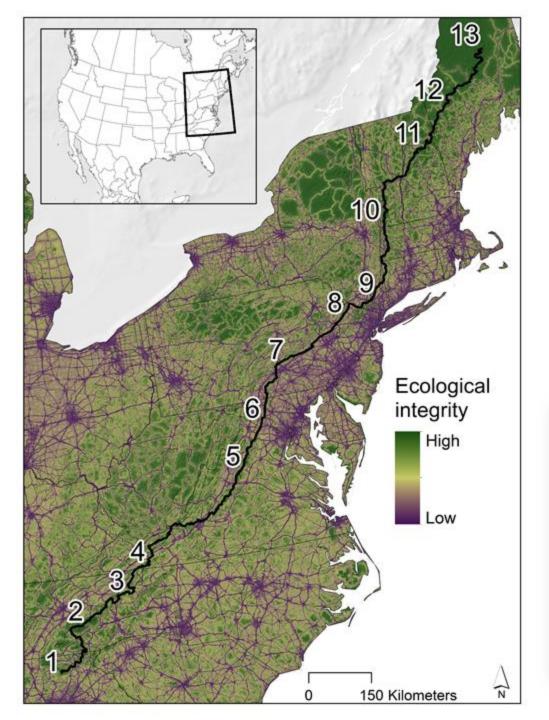
orrespondence

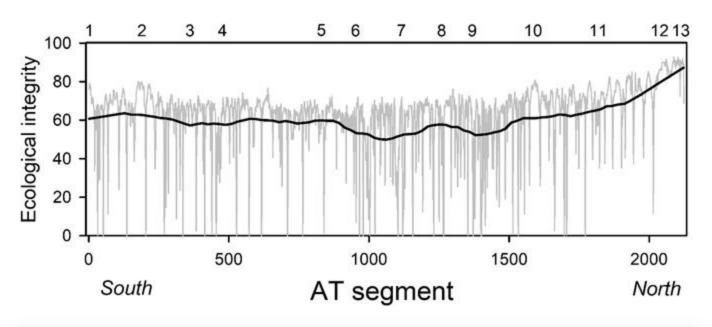
Peter S. McKinley, The Wilderness Society, 9 Union Street, Hallowell, ME 04347. Email: peter_mckinley@tws.org

Abstract

The Appalachian Trail (AT) traverses the Appalachian Mountains across 11 degrees of latitude from Springer Mountain in Georgia to Maine's Mt. Katahdin. The 3,524 km (2,190-mile) long trail is buffered within a conserved corridor that is at least ~ 305 m wide and covers approximately 101,000 hectacres (250,000 acres) overseen by the National Park Service (NPS), making it one of the largest NPS units in the East. Although a continuous marked trail has been established since 1937, protection of the corridor was not complete until the last couple of decades.

Additional concernation decianations exist adiacent to much of the trail corridor





Conservation Biology

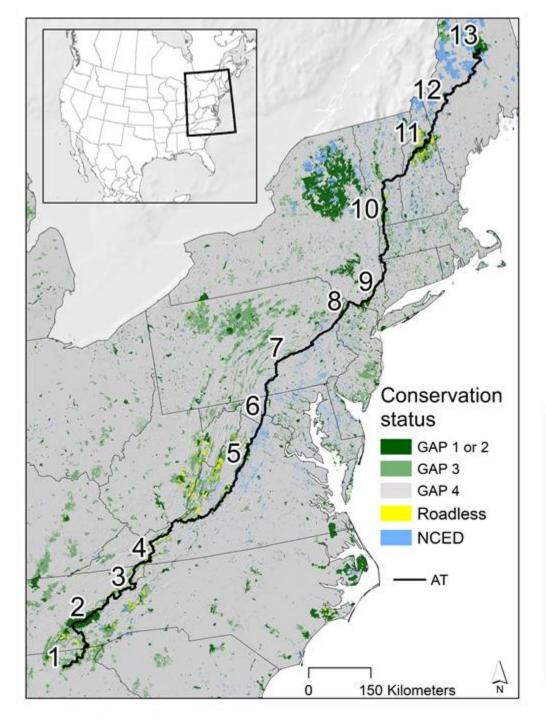


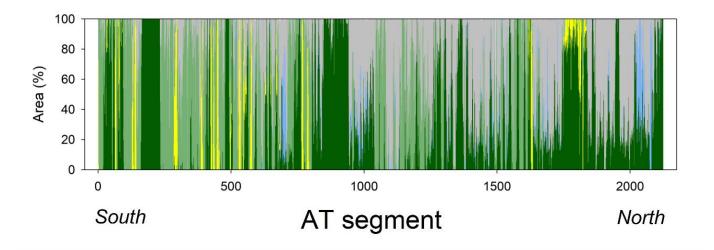
Diversity

A rule of thumb for widths of conservation corridors

Paul Beier

Northern Arizona University, Flagstaff, AZ 86011, U.S.A.





Conservation Biology

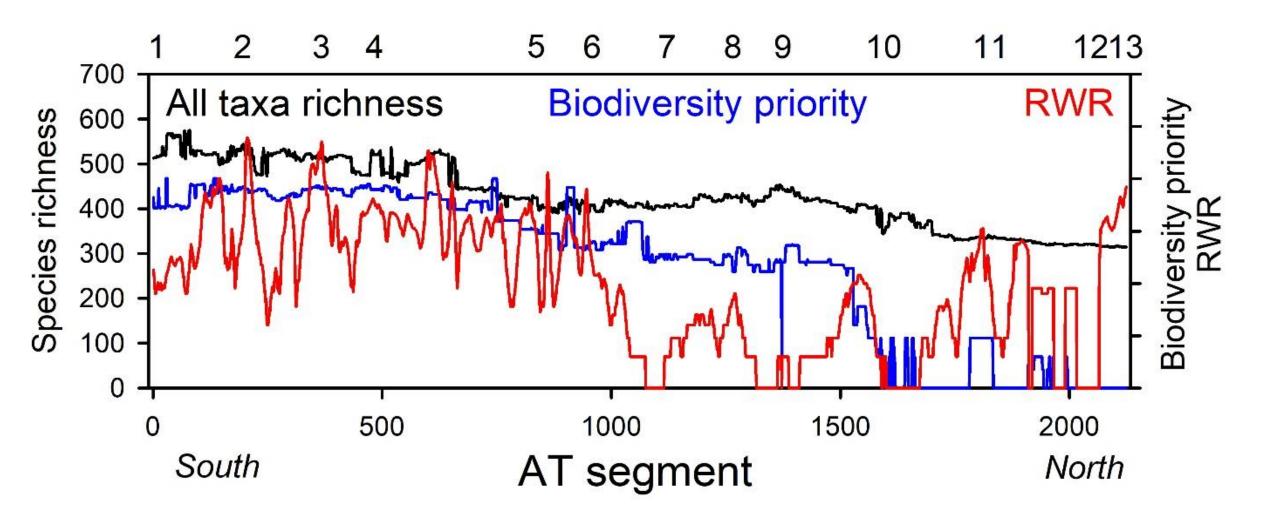


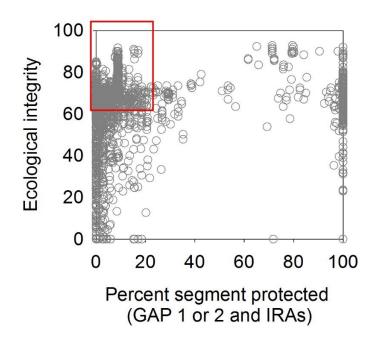
Diversity

A rule of thumb for widths of conservation corridors

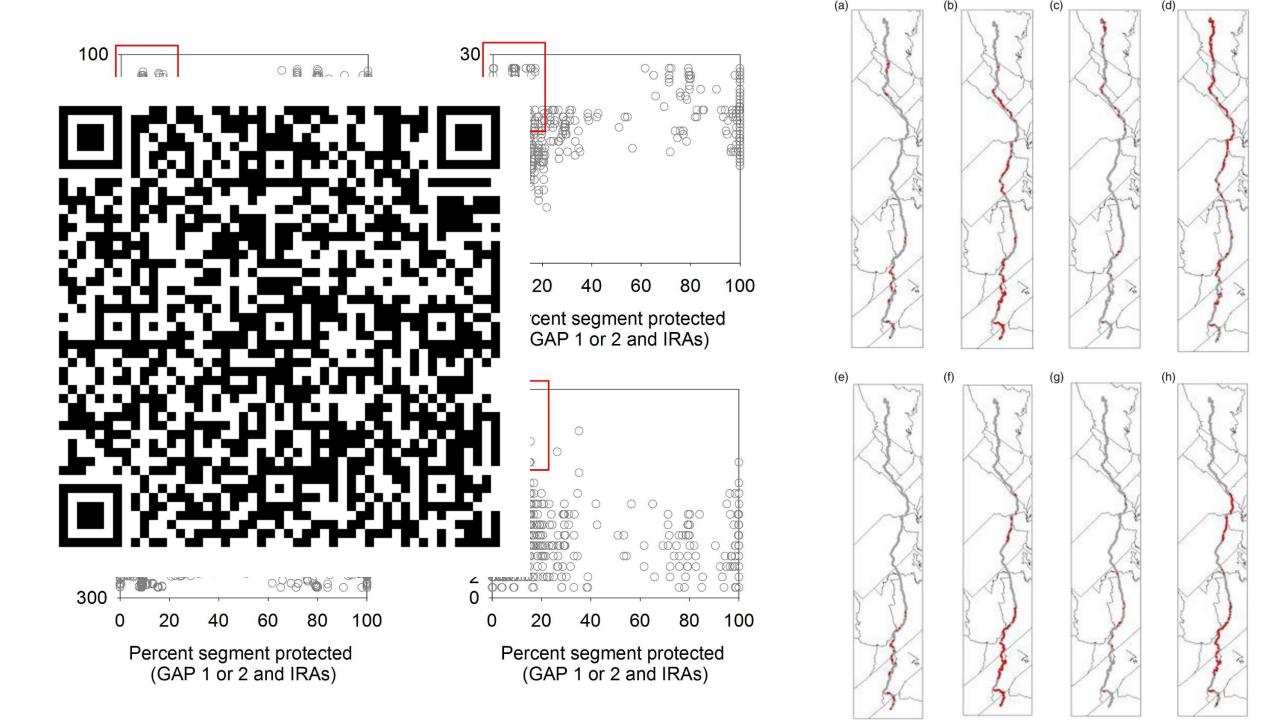
Paul Beier

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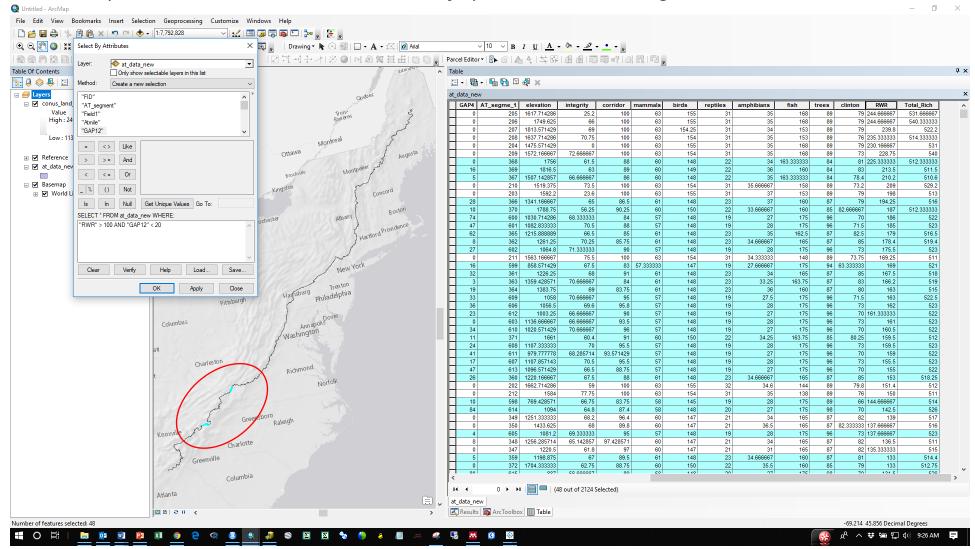






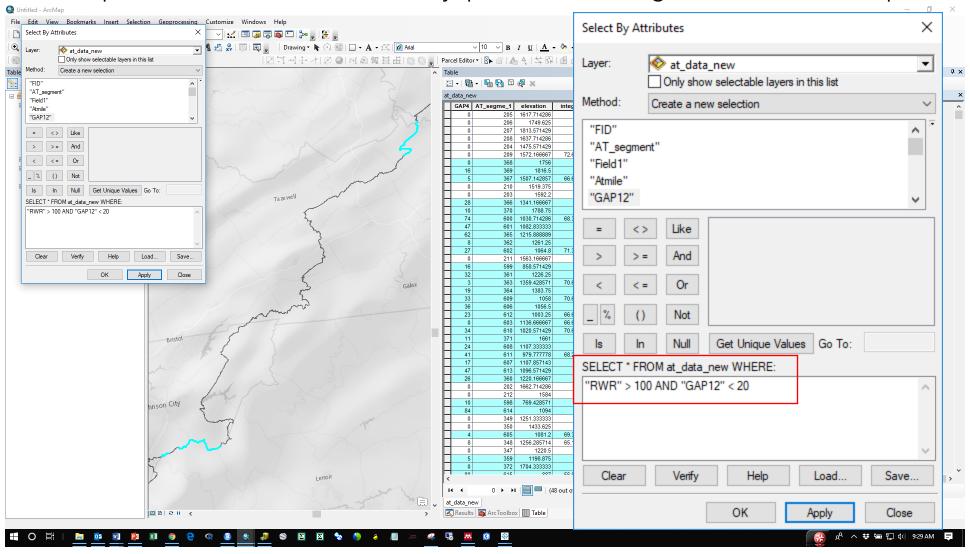


Select By Attribute Multiple criteria to select (i.e., identify) places that are high value but not well



Select By Attribute

Multiple criteria to select (i.e., identify) places that are high value but not well protected



https://public.tableau.com/profile/travis.belote#!/vizhome/DEMOAppalachianTrailValuesandConservationProtectionV1/profilesandmaps?publish=yes

"Most natural linkage"

