

A wide, brown river flows through a lush green landscape. The river is surrounded by dense green trees and vegetation on both banks. The sky is blue with scattered white clouds. The text is overlaid on the upper portion of the image.

Soil Carbon and Nitrogen Contents across Contrasting Riparian and Upland Sites in the Shingwedzi Drainage

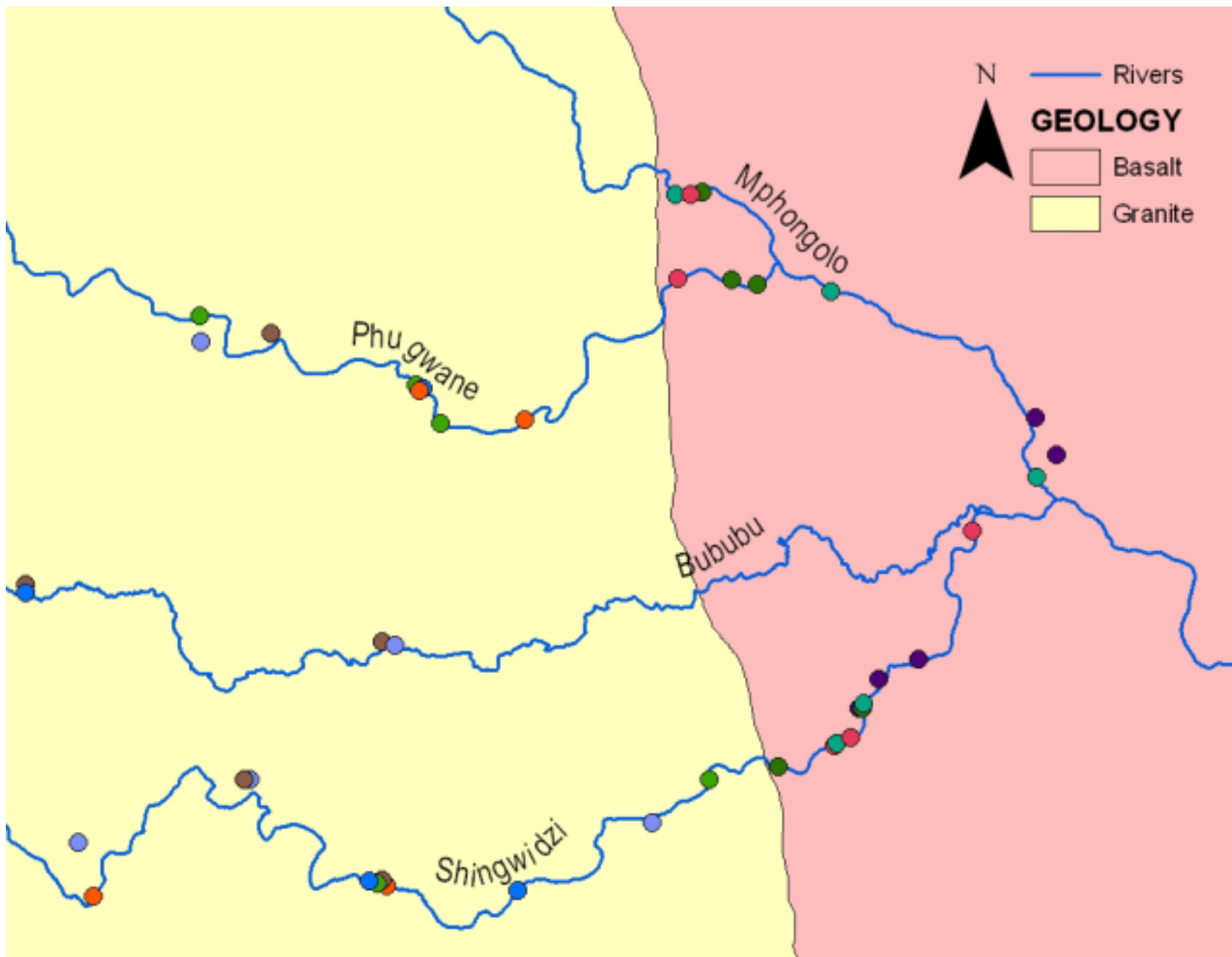
Elizabeth M. Cook, Mary L. Cadenasso, Steward T.A. Pickett

Questions

- Riparian and Upland Soils:
Bulk Density, Nitrogen, Carbon
- Canopy Structure in Riparian Soils:
Bulk Density, Nitrogen, Carbon

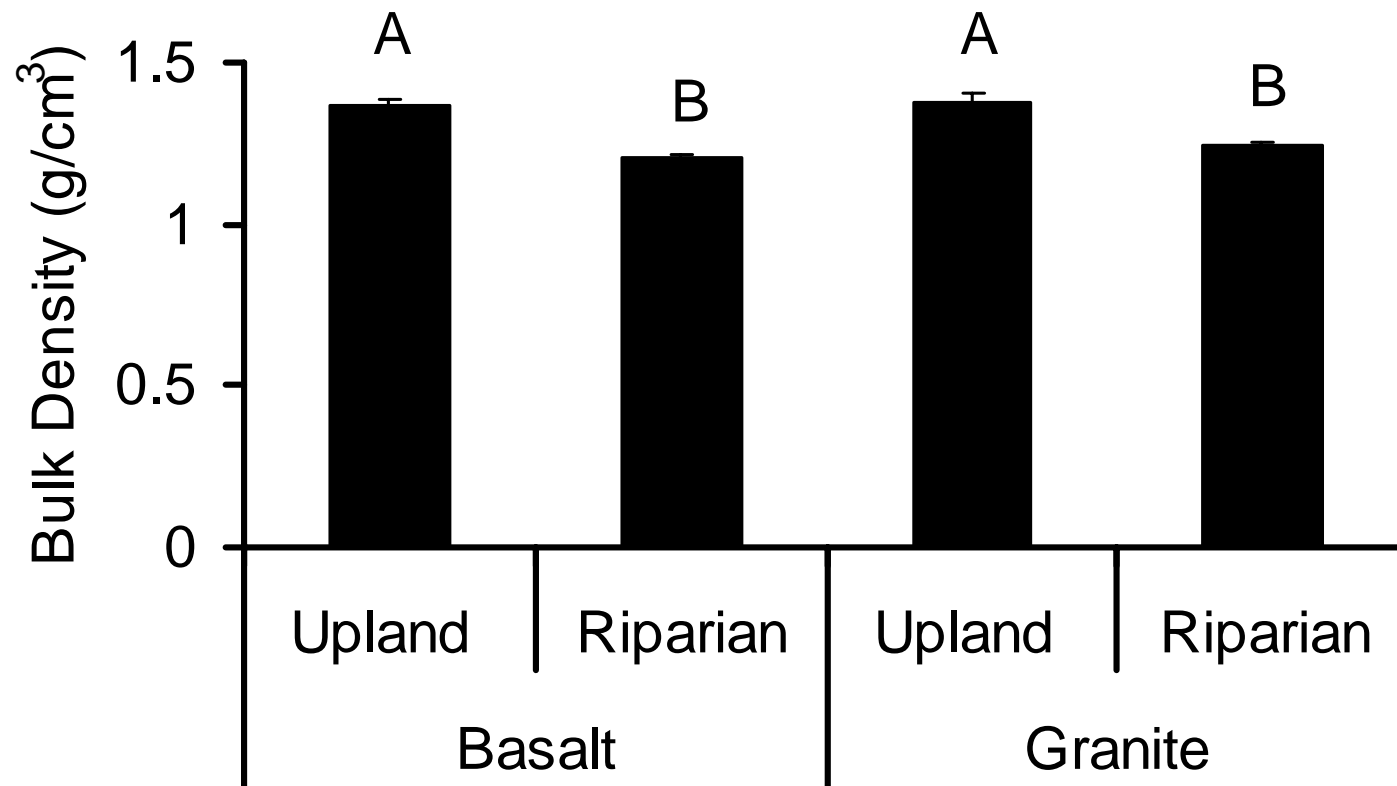
Working Model

Nutrient Content:	RICH	POOR
Parent Material:	Basalt	Granite
Location on Drainage Network:	Riparian	Upland

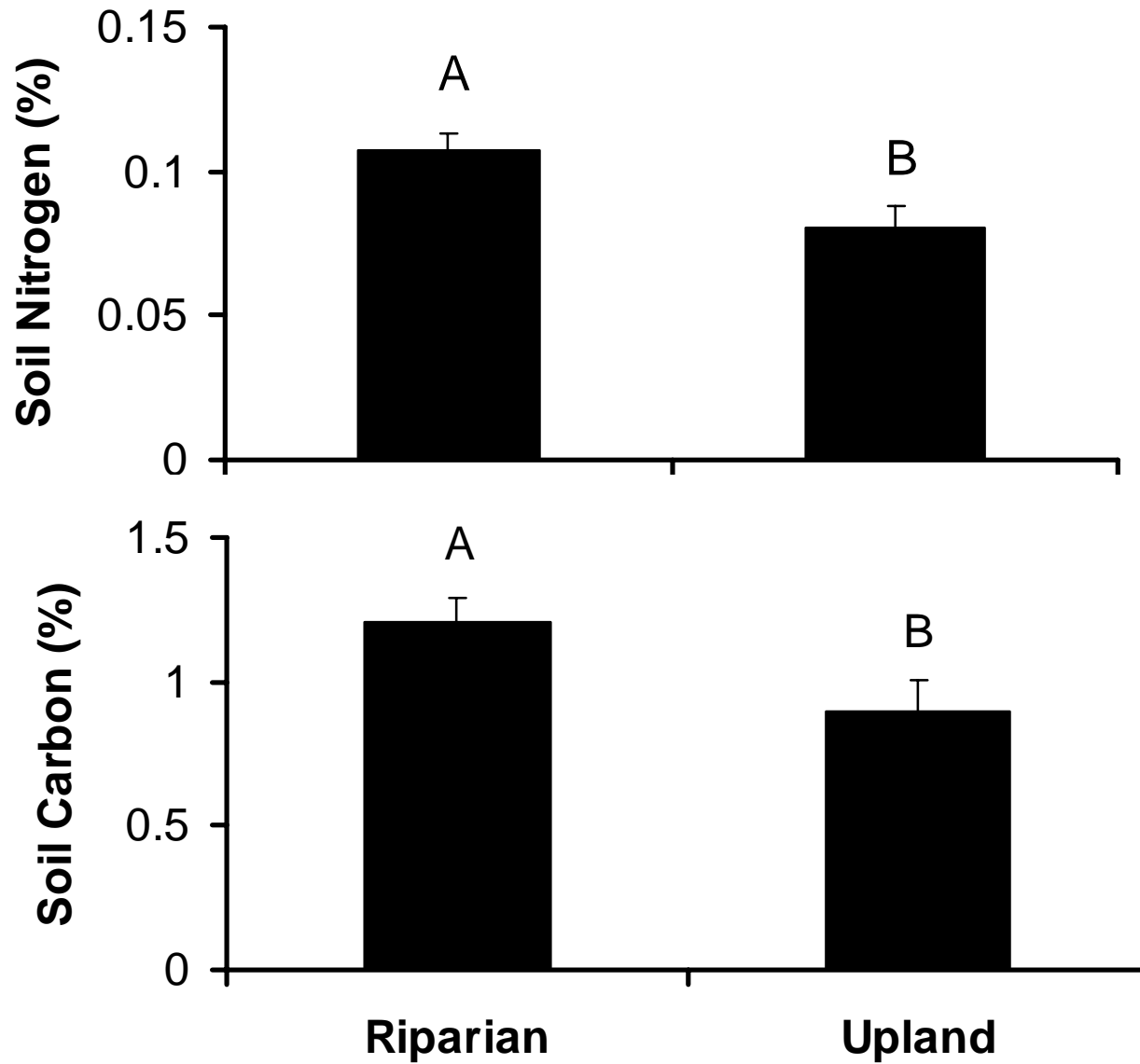




Riparian vs. Upland Soils

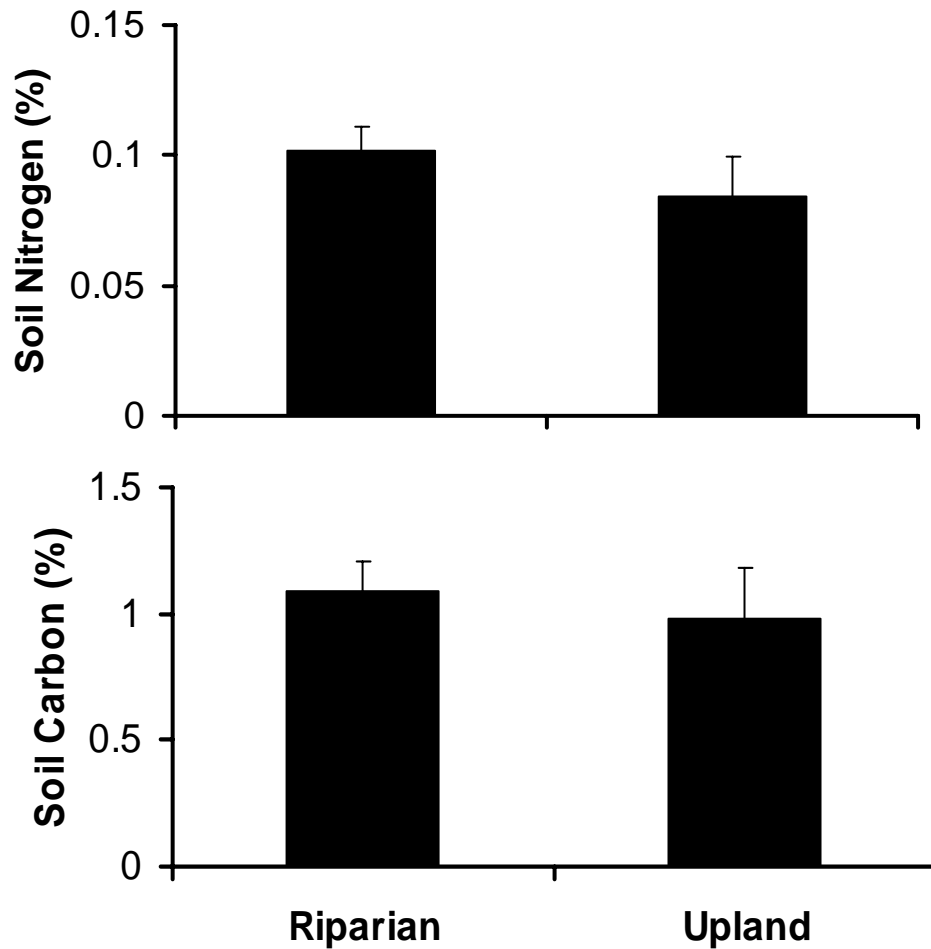


Riparian vs. Upland Soils

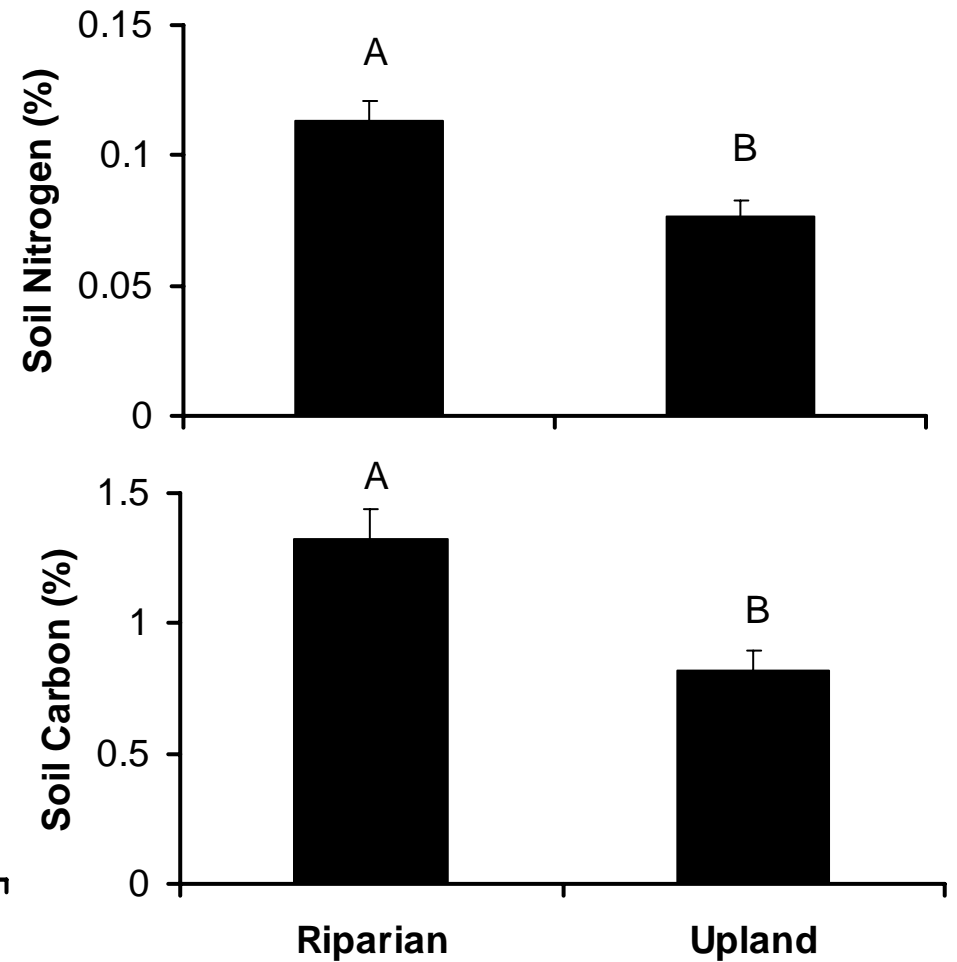


Riparian vs. Upland Soils

Basalt



Granite





Canopy Structure

- Riparian Classes
 - Continuous
 - Discontinuous
 - Sparse

GMC - PHUG - ID 120



Field Site Point (X,Y): 319278.6061, 7448177.0604 Road (X,Y): 319231.63, 7448216.44

GMC - PHUG - ID 120



GMC 1



Canopy Structure



Continuous

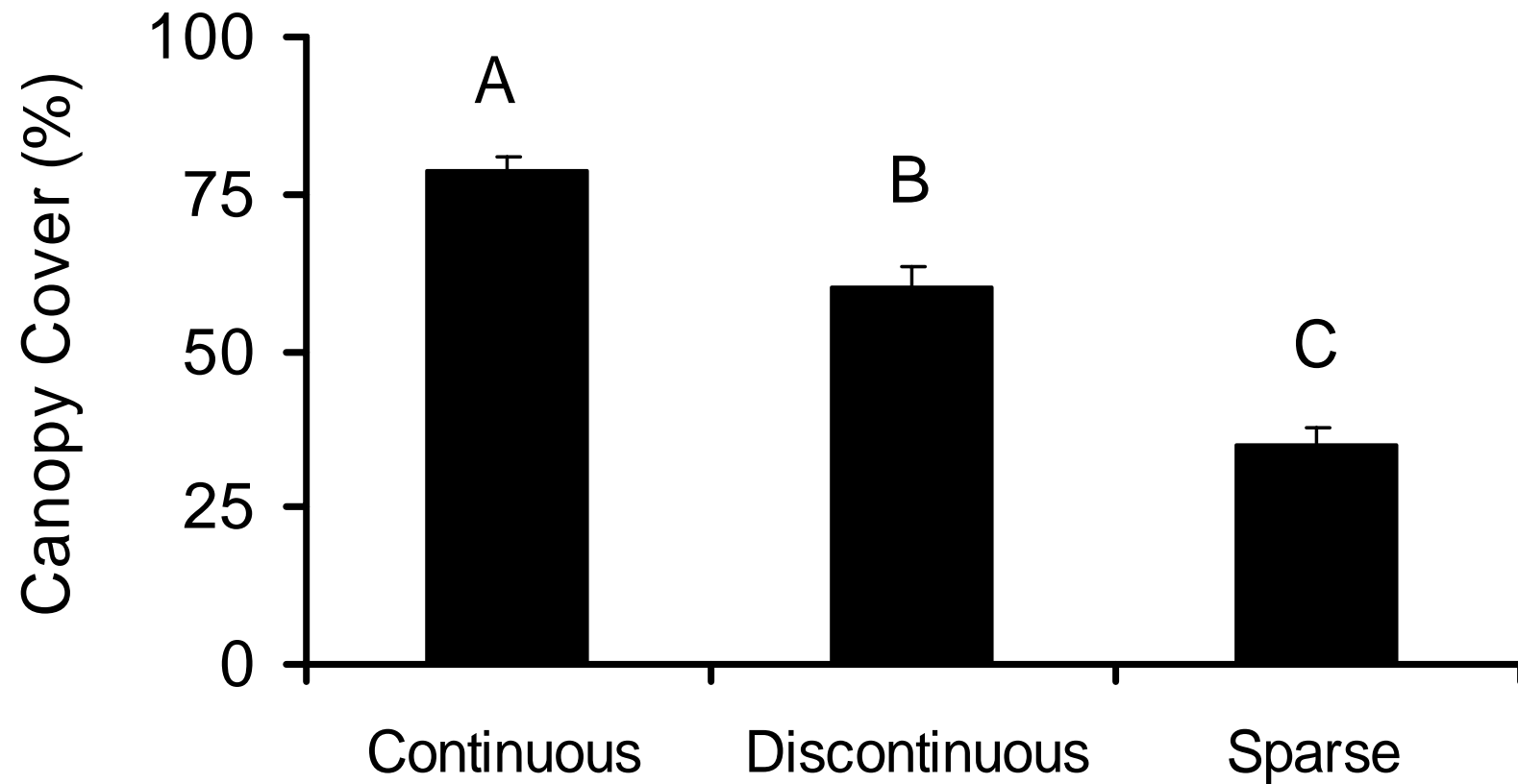


Discontinuous



Sparse

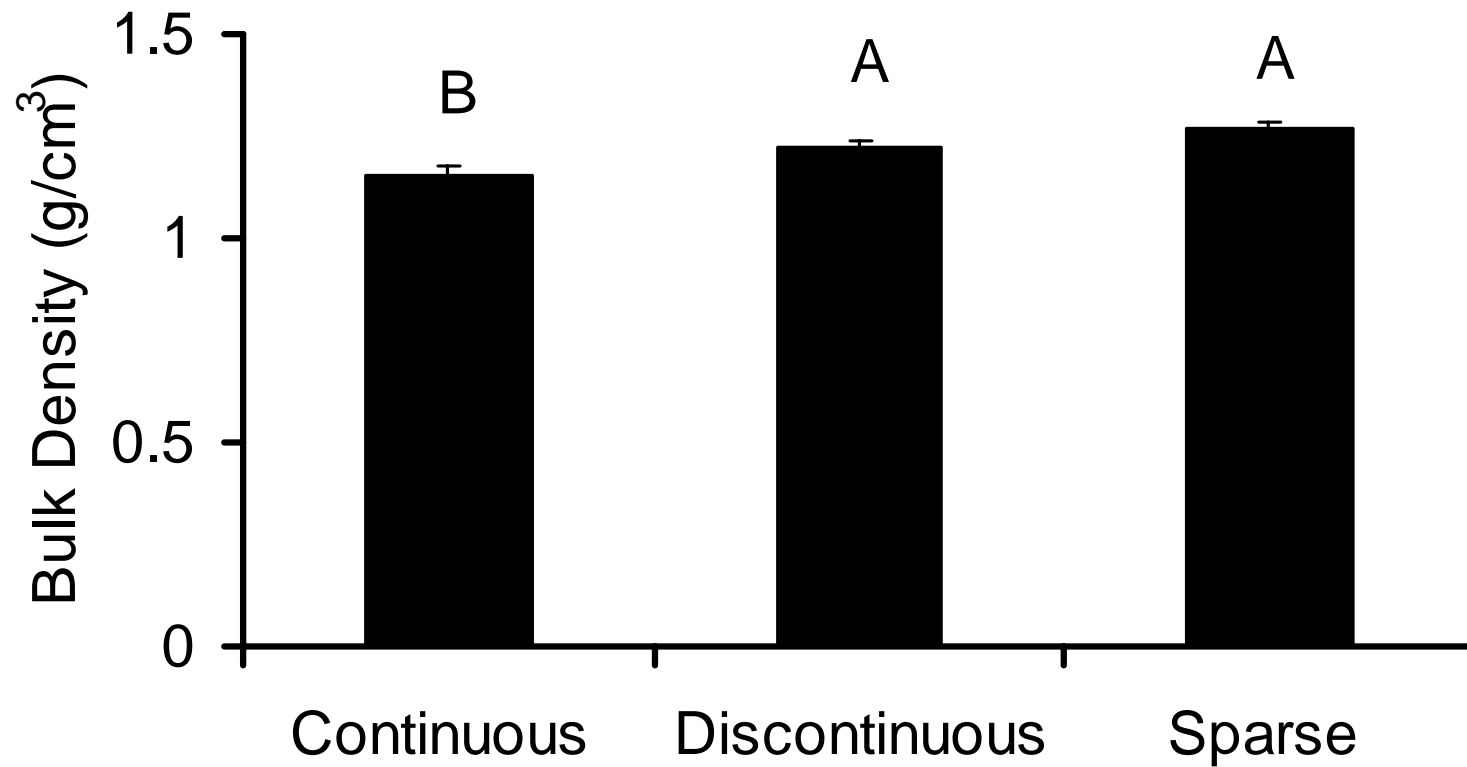
Canopy Structure



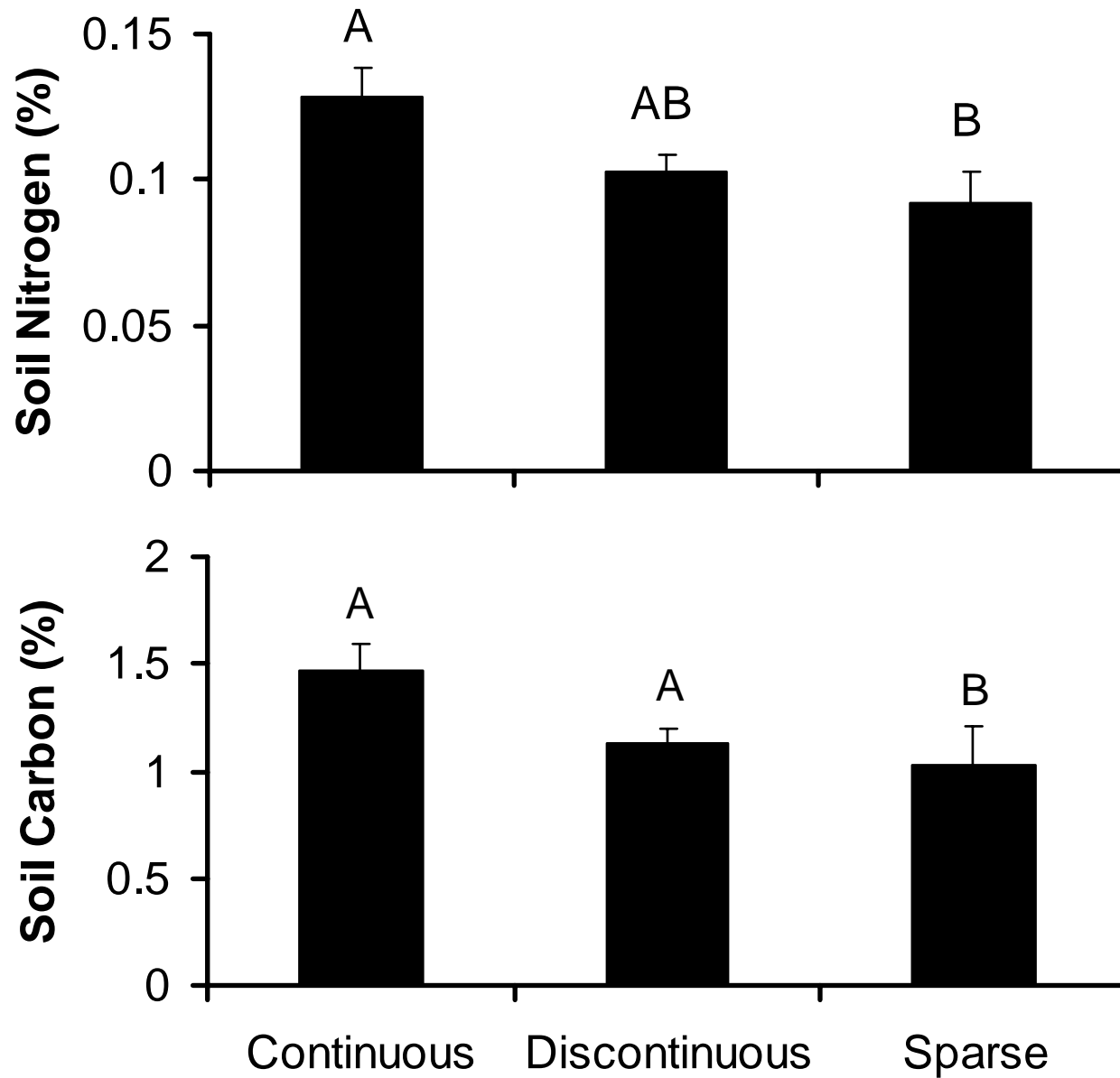
Working Model

Nutrient Content:	RICH	POOR
Parent Material:	Basalt	Granite
Location on Drainage Network:	Riparian Zones	Upland
Canopy Structure:	Continuous Sites	Sparse Sites

Riparian Soils

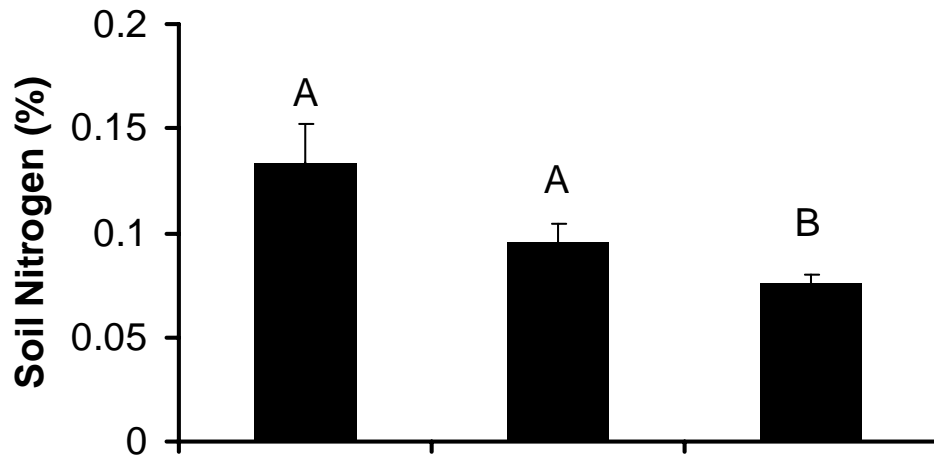


Riparian Soils

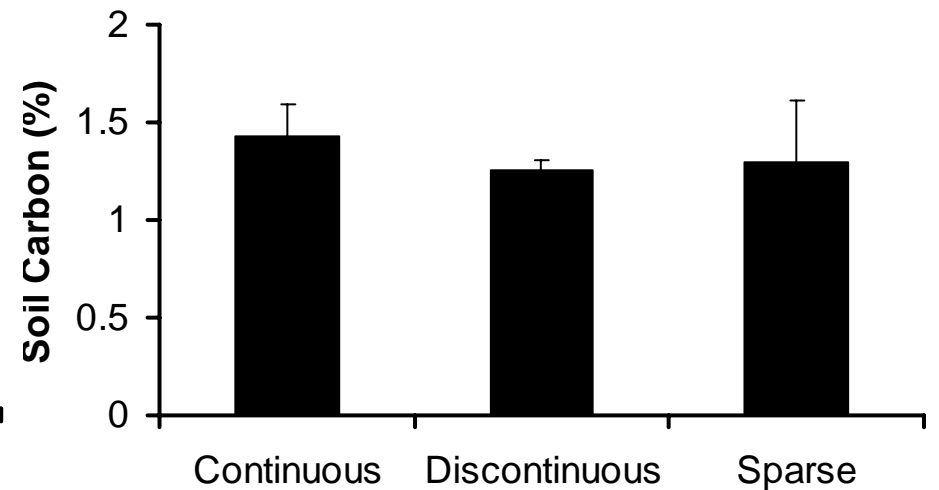
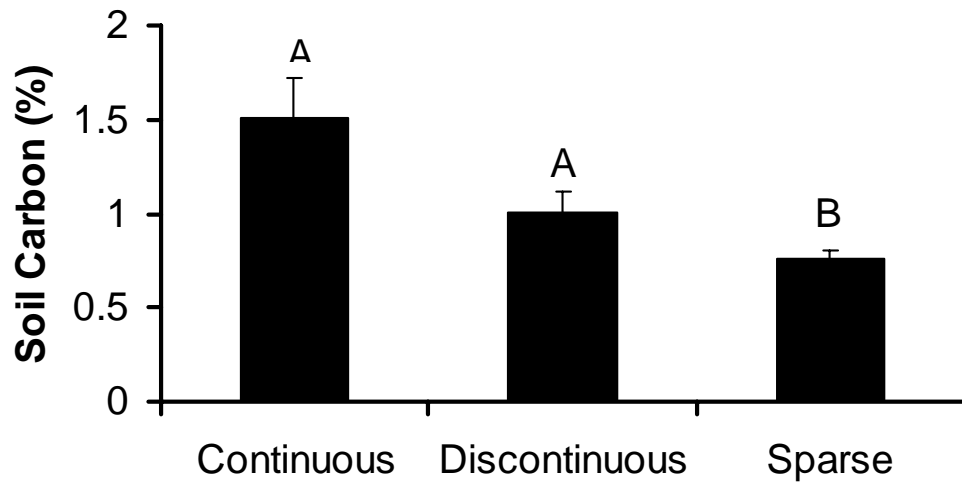
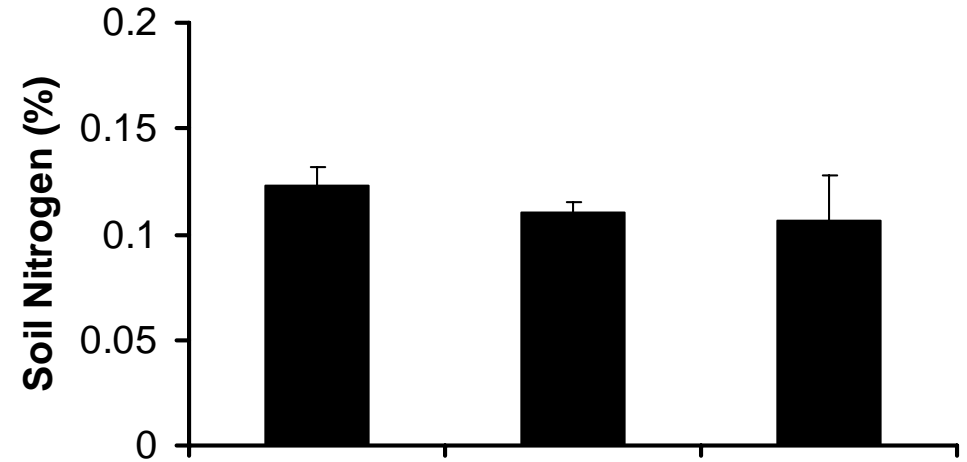


Riparian Soils

Basalt Riparian



Granite Riparian



Summary

- Riparian soils > Upland soils
- Continuous canopy > sparse canopy
 - Discontinuous canopy intermediate

