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Exploring the impact of green space health on runoff reduction using NDVI

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Highlights

- This article employed the NDVI in representing green space health.
- Suburbanization is highly related to the amount of surface runoff generation.
- The health of green space was negatively associated with mean daily runoff.
- Green infrastructure planning should consider greenery indices, including NDVI, in identifying strategic green core areas, hubs, and corridors.

Abstract

This study examines the impact of green space health on local flooding based on the analysis of eighty-two watersheds in four Texas metropolitan statistical areas: Dallas, Houston, San

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