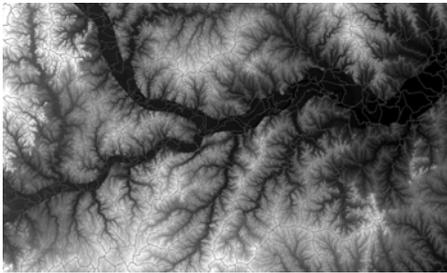




**Managing Green Infrastructure for Smart Growth: On the Map in Kansas City**



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**Managing Green Infrastructure for Smart Growth: On the Map in Kansas City**

- Flooding & water quality
- Air quality
- Growth & development patterns
- Institutional capacity
- Problem definition

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**Managing Green Infrastructure for Smart Growth: On the Map in Kansas City**

- Green Infrastructure
  - Creating Quality Places
  - MetroGreen
  - Watershed Management
  - Clean Air Action Plan



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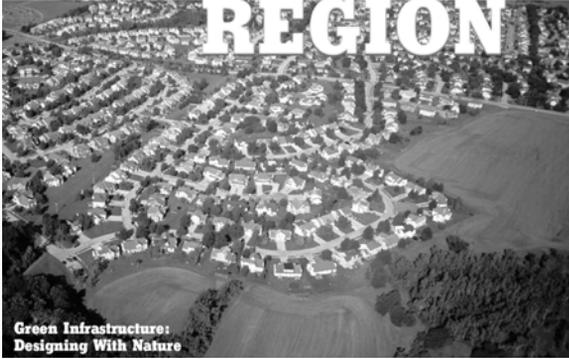
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# KANSAS CITY REGION



Green Infrastructure:  
Designing With Nature

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## Creating Quality Places



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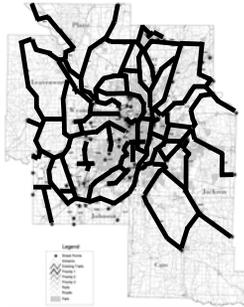
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## MetroGreen Trails Plan

- System is divided into four priorities for future trail development:
  - existing (75 miles)
  - priority 1 (100 miles)
  - priority 2 (280 miles)
  - priority 3 (568 miles)
- Service radius of system: 1/2 mile and 2 mile - 90% of Metro population served by fully developed system



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## Regional Watershed Roundtables



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## Stormwater Planning Defining...



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## Reframing the



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## Clean Air Action Plan

- Utility controls
- Diesel emissions
- Education
- Sustainability
  - Urban heat island, TOD, green infrastructure, urban and community forestry, integrated watershed/land use/transportation planning, etc.

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## Regional Planning and Urban Design



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## The Pace of Development in Metro KC

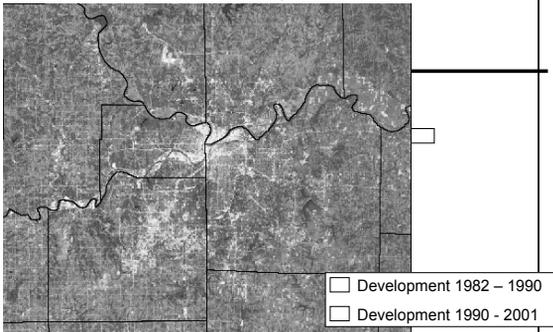


Image: KBS/KARS

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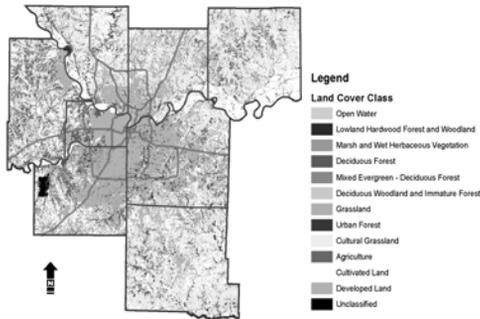
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## Regional Land Cover



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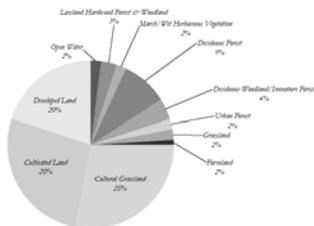
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## Distribution of Regional Land Cover

### Managing Green Infrastructure for Smart Growth: On the Map in Kansas City



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### Water Resources



- Lakes
- Rivers
- Streams

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### Water Resources



- Lakes
- Rivers
- Streams
- Wetlands

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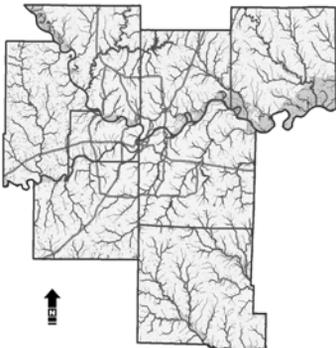
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### Water Resources



- Lakes
- Rivers
- Streams
- Wetlands
- 100-Year Flood Plain

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### Water Resources



- Lakes
- Rivers
- Streams
- Wetlands
- 100-Year Flood Plain
- Lowland Vegetation

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### Water Resources Compilation



- Lakes
- Rivers
- Streams
- Wetlands
- 100-Year Flood Plain
- Lowland Vegetation

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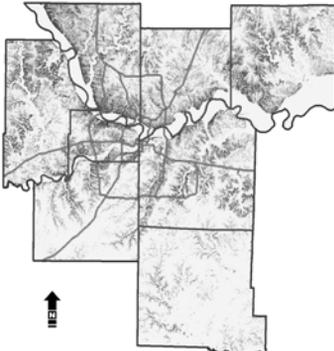
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### Steep Slopes



- Steep Slopes

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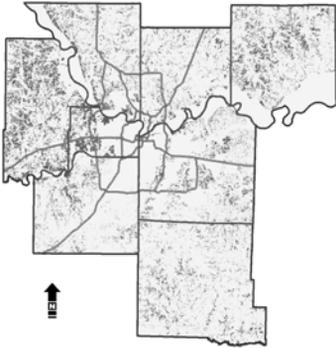
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### Inland Resources



Forests and Woodlands

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### Inland Resources



Forests and Woodlands

Grasslands

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### Inland Resources Compilation



Forests and Woodlands

Grasslands

Steep Slopes

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Water and Upland Resources



Water Resources  
Upland Resources

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**APPLICATIONS**

- Develop Supportive Regional Policy  
by County and Municipality
- Integrate Plans with Recreation, Economic  
Development, Stormwater Management,  
Regional Quality of Life Initiatives

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Parks and Trails

**PARKS &  
GREENWAYS**



Parks  
Planned & Existing  
MetroGreen Trails

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Conservation Planning Starting Point



**PARKS & GREENWAYS**

- Water Resources
- Upland Resources
- Parks
- Planned & Existing MetroGreen Trails

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Stream Buffers



**STREAM BUFFERS**

- Water Resources
- Upland Resources
- Parks

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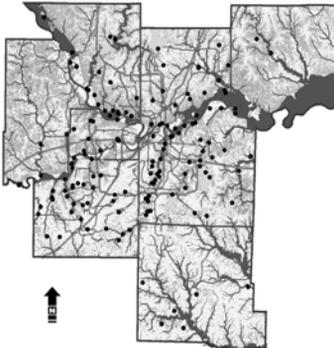
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MetroGreen Implementation



**HABITAT RESTORATION**

- Water Resources
- Upland Resources
- Parks
- Planned & Existing MetroGreen Trails
- Important Natural Resource Sites

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## Watershed Planning



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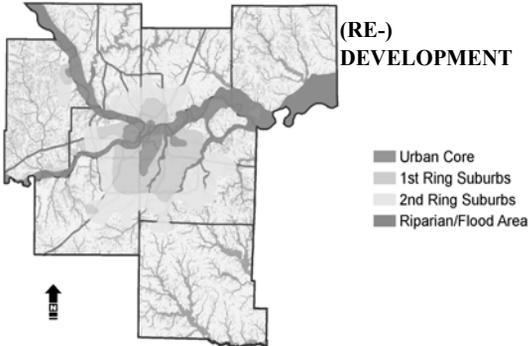
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## Variable Regional Needs



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## Emergent policy foci

- Substantive focus areas
  - Development regulations (400 sq. miles in 25 yrs)
  - Watershed infrastructure (metro need > \$2B)
  - Multi-purpose management of parks, greenways (1,100+ lineal miles)
  - Stream setbacks (150,000 acres in metro)
  - Highway rights of way (40,000 acres in metro)

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