

PPA 2007

**Green
Infrastructure:**

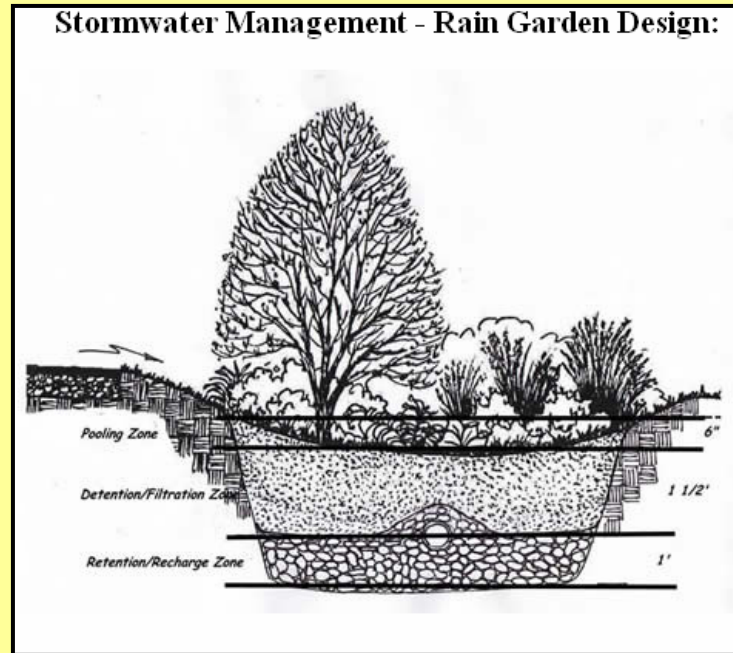
***Conserving Natural
Systems***



Lancaster County Green Infrastructure Plan

Green Infrastructure Planning:

Integrating natural processes into the built landscape to mitigate environmental impacts



Suburban Rain Garden

Green Infrastructure

Gray vs. Green Infrastructure



Two Objectives:

1. Define the term Green Infrastructure.



2. Introduce the Lancaster County Green Infrastructure Plan?



Lancaster County Green Infrastructure Plan

What is Green Infrastructure?



Farmland



Wetlands

"An interconnected network of natural areas, green spaces, greenways in rural and urban areas that sustains ecological functions and values and provides a broad array of benefits for the people of Lancaster County and the surrounding region."

- Draft Lancaster County Green Infrastructure Plan



Forest Land

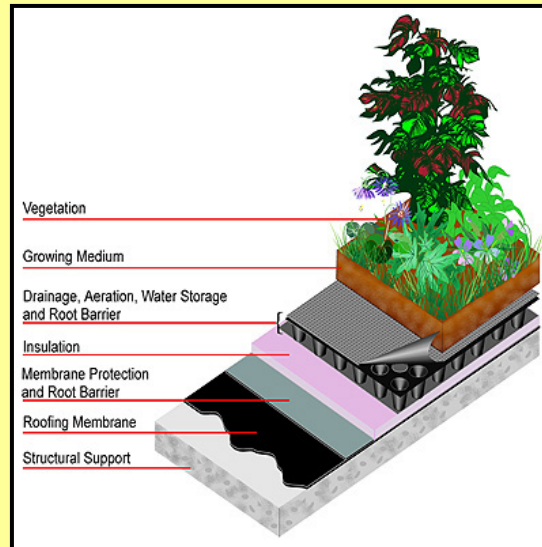
Green Infrastructure Examples: Urban Areas

Green Streets



Green Infrastructure Examples: Urban Areas

Green Roofs



Urban Parks, Gardens and Trails

**Green Infrastructure
Examples: Urban Areas**



Green Infrastructure Examples: Rural Areas

Riparian Buffers



Before



After

Lancaster County Green Infrastructure Plan

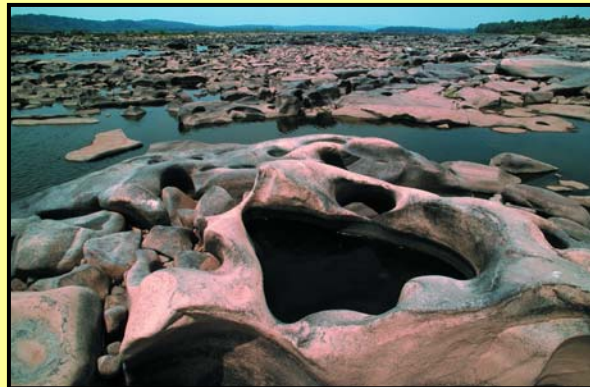
Green Infrastructure Examples: Rural Areas



High Quality Waterways



Forest Land



Unique Geological Formations



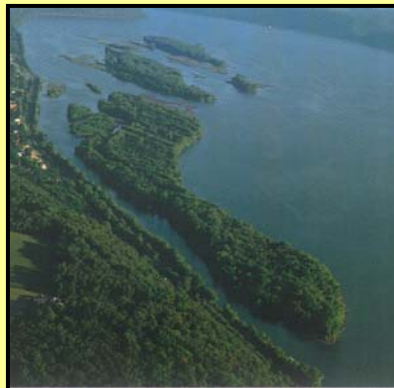
Native Plants and Animals

Green Infrastructure Examples: Rural Areas

Natural Heritage Areas



Muhlenberg Bog Turtle



Conejohela Flats



Serpentine Aster

Threats to Green Infrastructure Resources

Poor Agricultural Practices



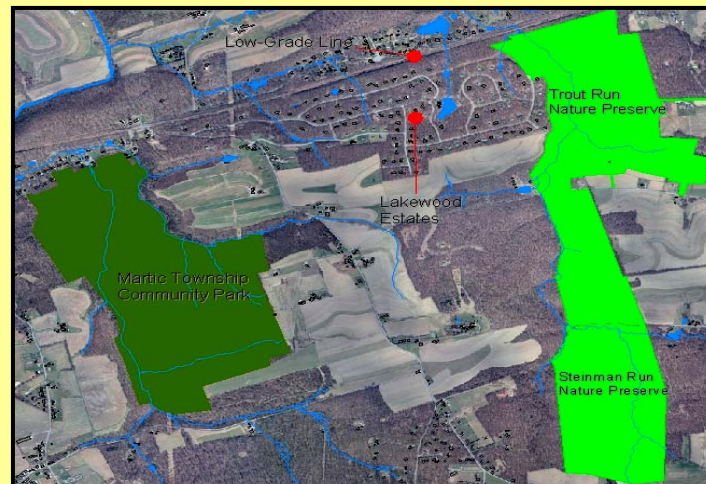
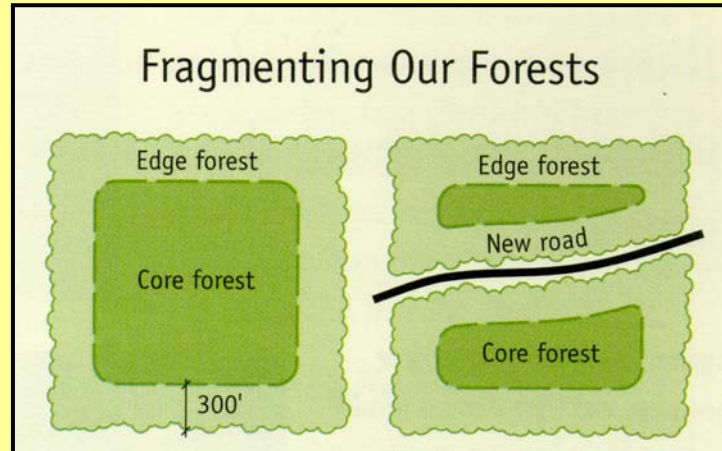
Threats to Green Infrastructure Resources

Large Lot Rural Land Development



Threats to Green Infrastructure Resources

Fragmented Habitats















Why a Green Infrastructure Plan?

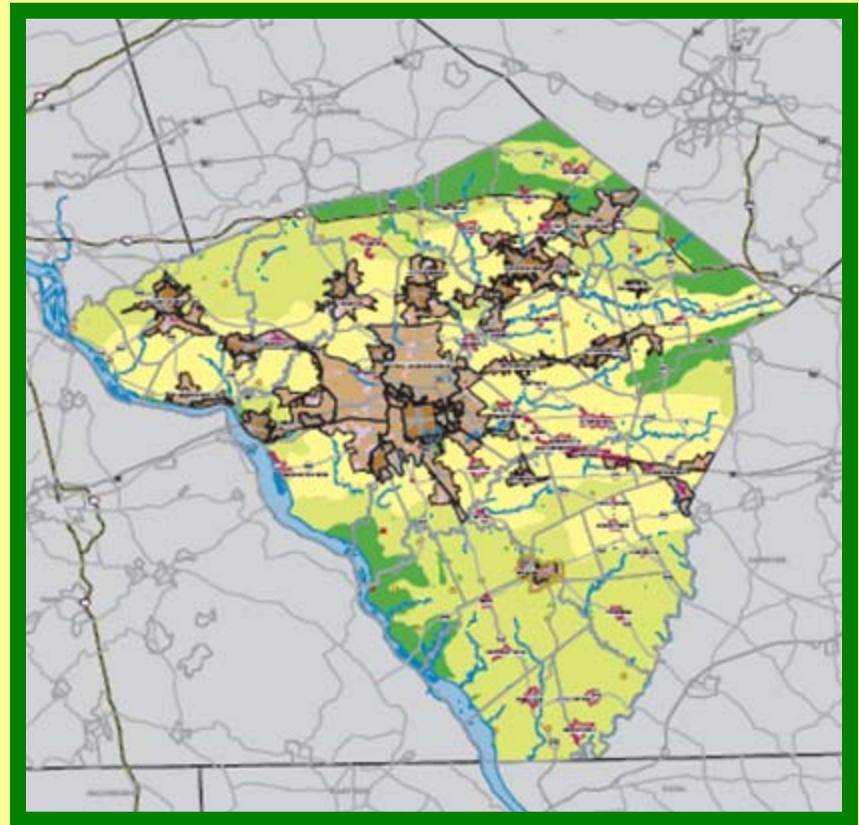
Balance

*Growth Management Element of
the Lancaster County
Comprehensive Plan*

GROWTH MANAGEMENT FRAMEWORK

Legend

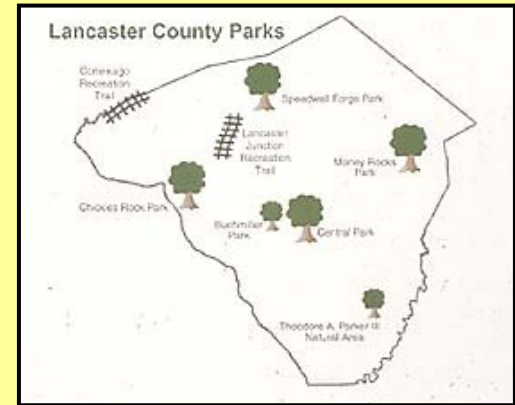
- | | |
|--|--|
|  Draft UGA |  Core Reinvestment Areas |
|  Urban Growth Area (UGA) |  General Reinvestment Areas |
|  Village Growth Area (VGA) |  Concentrated Building Areas |
|  Municipal Boundaries |  General Building Areas |
|  Villages (Non-VGA) |  Designated Agricultural Areas |
|  Crossroads Communities |  Designated Natural Areas |
| |  Designated Agricultural with Natural Areas |



Lancaster County Green Infrastructure Plan

Why a Green Infrastructure Plan?

- Update to the 1992 Lancaster County Regional Open Space Plan



- Update of the 1990 Lancaster County Natural Areas Inventory



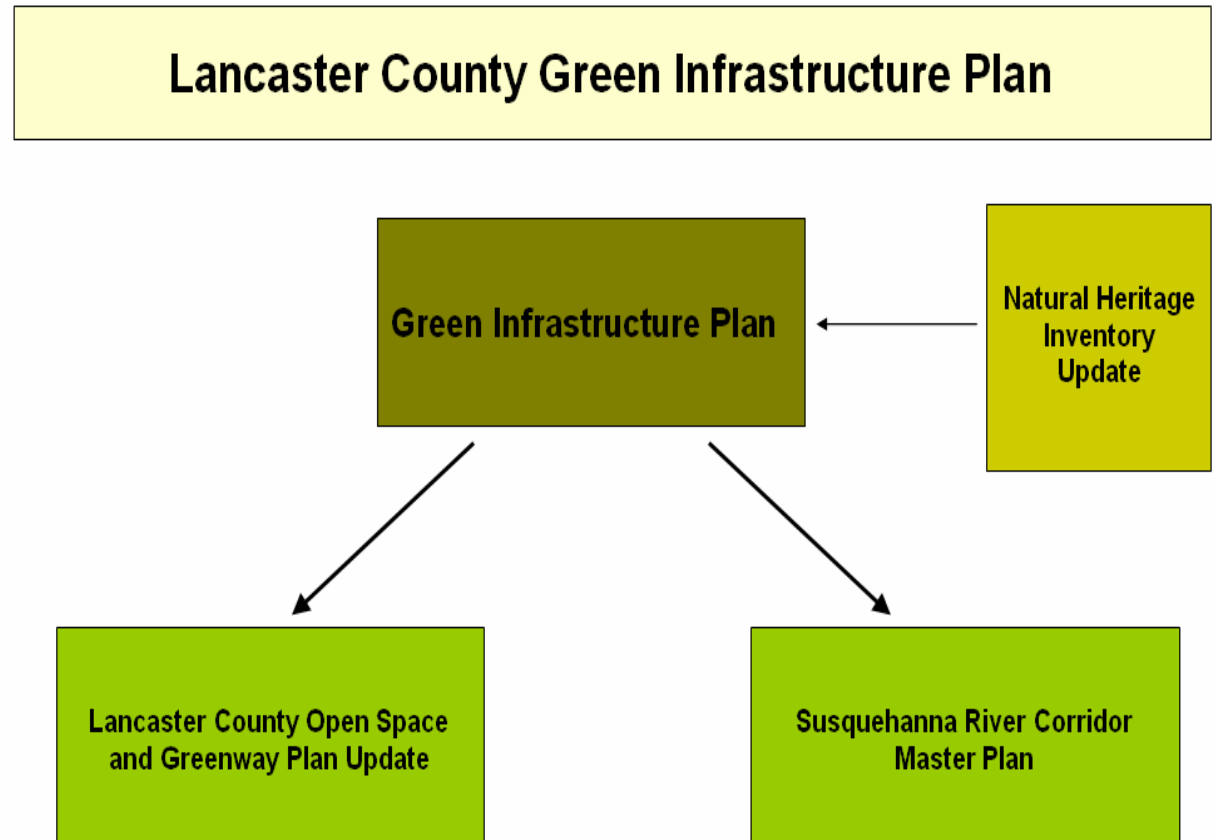
Serpentine Barrens

Why a Green Infrastructure Plan?

Chesapeake Bay



Lancaster County Green Infrastructure Plan



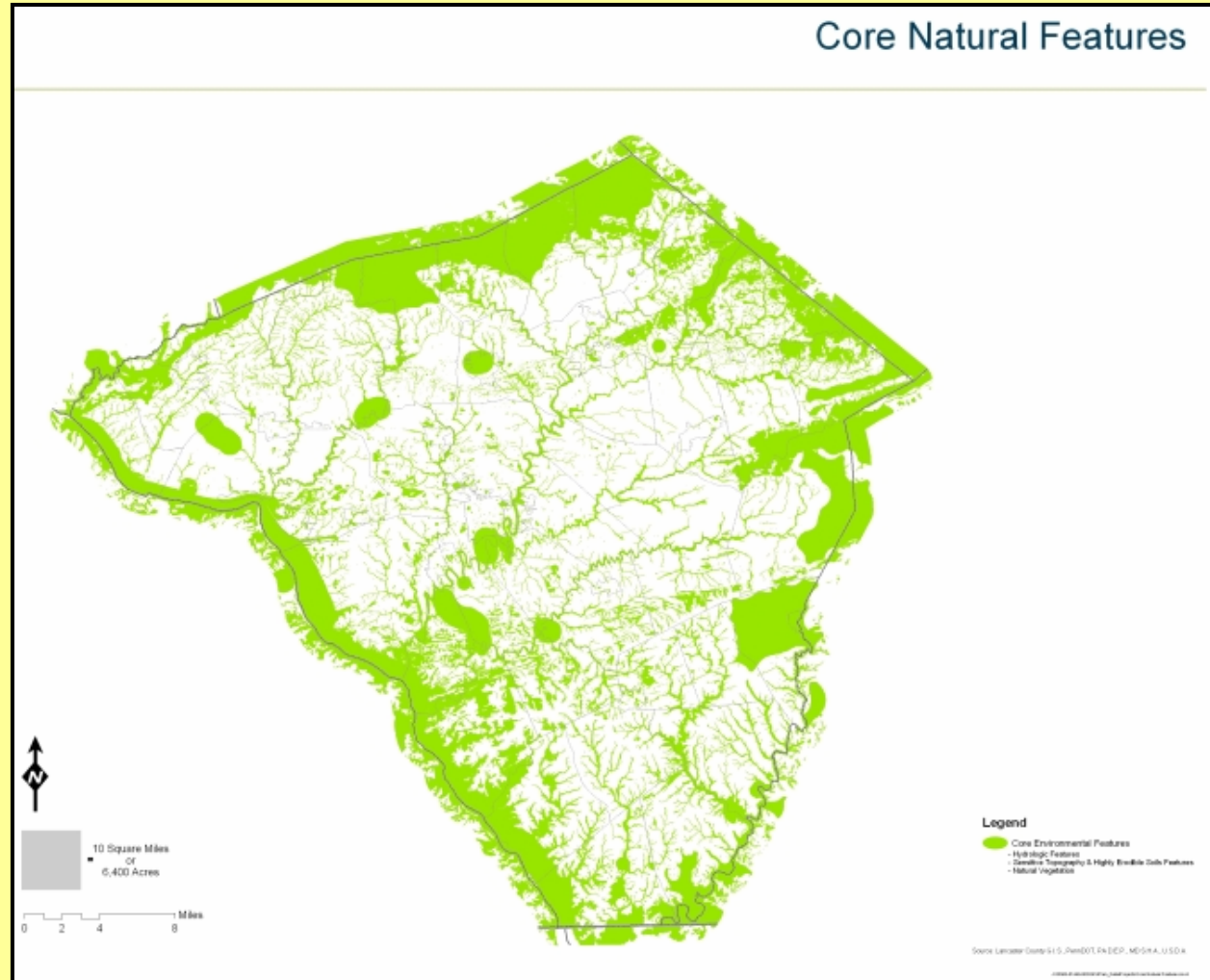
Lancaster County Green Infrastructure Plan

Green Infrastructure Plan Goals

- 1. Preserve Lancaster County's exceptional natural resources.**
- 2. Conserve natural resource systems and services throughout Lancaster County's urban, suburban, and rural areas.**
- 3. Restore ecological connections and natural resource systems throughout Lancaster County's urban, suburban, and rural areas.**
- 4. Enhance the quality-of-life of residents through the provision of a diversity of easily accessible outdoor recreation opportunities and experiences.**

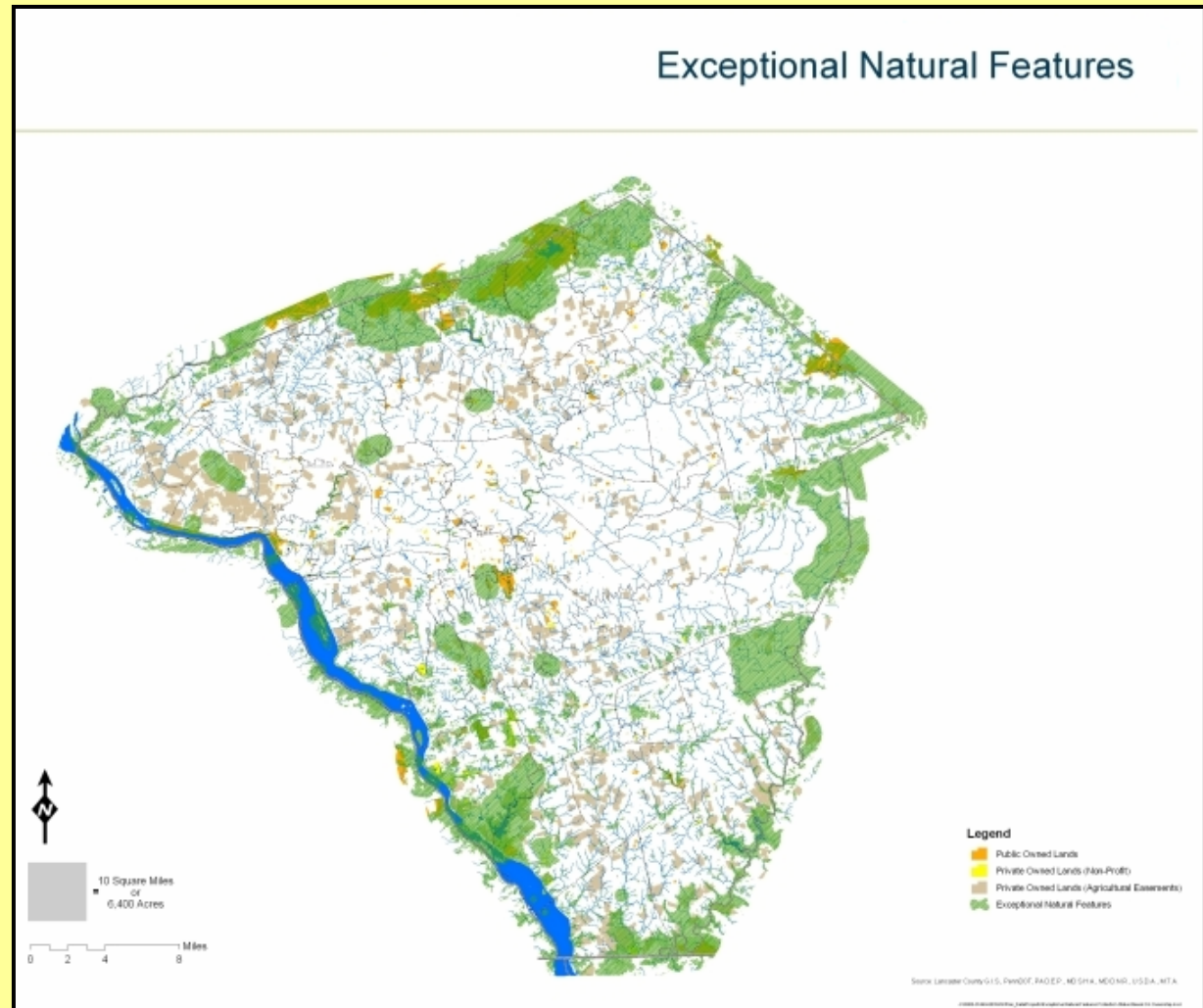
Lancaster County Green Infrastructure Plan

Lancaster County Green Infrastructure Plan



Lancaster County Green Infrastructure Plan

Lancaster County Green Infrastructure Plan



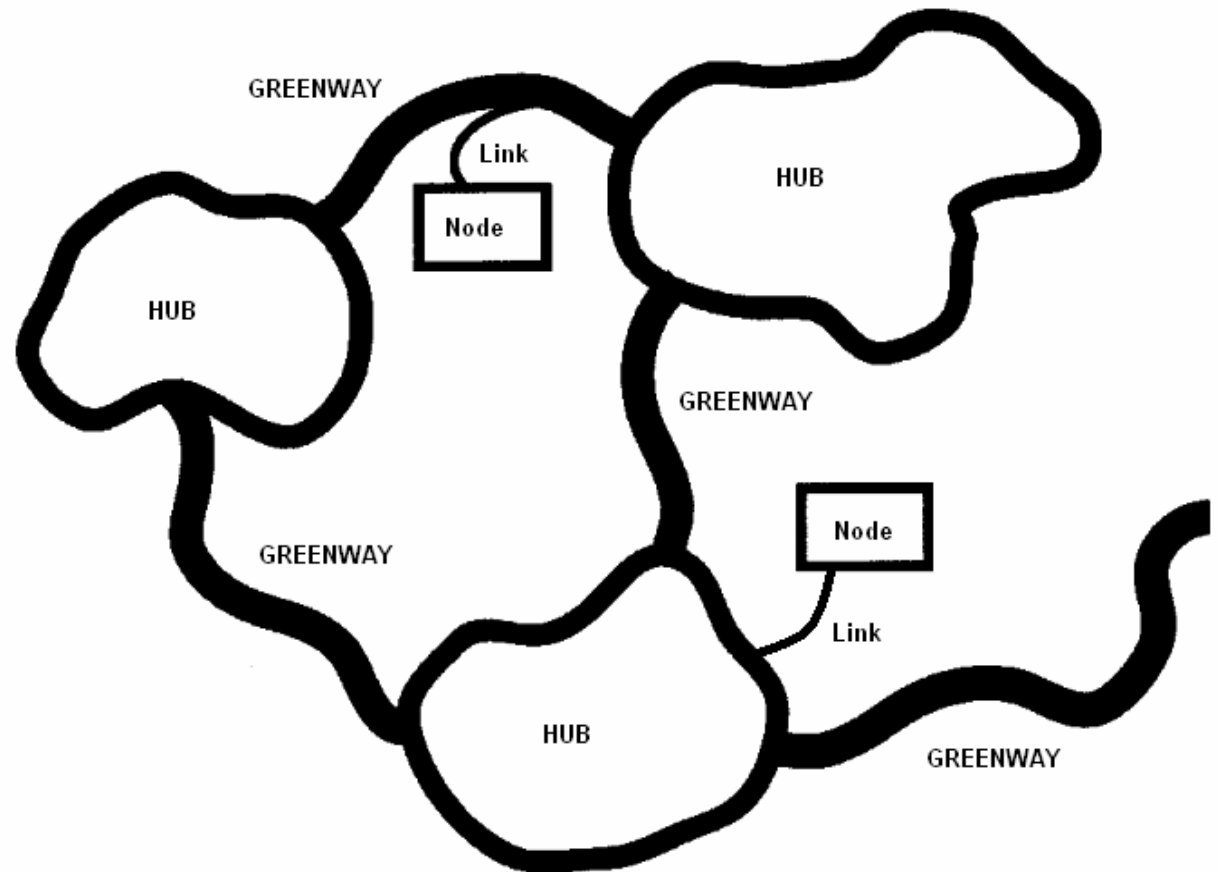
Lancaster County Green Infrastructure Plan

Lancaster County Green Infrastructure System Components

- **HUBS**
- **GREENWAYS**
- **NODES**
- **LINKS**

Lancaster County Green Infrastructure Plan

Lancaster County Green Infrastructure System



Green Infrastructure Implementation

**Must be integrated into all areas
of planning:**

