Designing Climate-Smart Conservation

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Green Infrastructure for Climate-Smart Cities

Connect

Absorb

Cool

Protect
Climate-Smart Questions

Siting?
Design?
Community Roles?
Cross-Sector?
Public Policy?
Climate-Smart Cities Model for Integration

Climate-Smart City Partnership

Applied Research

GIS Decision Support

Demonstration
Opportunity: Help Cities Identify and Integrate Levers for Green Infrastructure
Creating Resilient Landscapes

Troy Lake Creek Project

Clearwater Project

St. Joe Potential
Resilient Landscapes Model for Integration

Resilient Landscape Partnership

Demonstration

GIS Decision Support

Applied Research
Decision Support Must Go Deep on Science
Clearwater Conservation Can Impact Resilience
Protection from Development Is Not Enough

**Trout Unlimited Climate Change Strategy**

1. Protect diversity of remaining native populations.
2. Restore natural range of life history strategies.
3. Protect springs, headwaters and other sources of cold water.
4. Restore riparian habitats to provide shade.
5. Restore large woody debris and boulders in stream channels.
6. Remove in-stream barriers to fish movement.
7. Restore in-stream flows that have been reduced.
8. Minimize existing sources of stress, such as pollution, overgrazing, and roads.
9. Limit introductions of non-native fishes and control existing populations.
10. Monitor and evaluate habitats.
Using TU Science to Guide Clearwater Restoration

**Restoration Priorities for Resilience**
1. Emphasize West Fork and Deer Creek sub-watersheds
2. Restore healthy forest cover to reduce risk of winter flooding
3. Road decommissioning to restore connectivity and reduce sediment loading