Landscape Conservation Cooperatives (LCCs)

The Right Conservation in the Right Places
The Peninsular Florida LCC Development Team

Anne Birch - TNC
Bill Miller - FWS - Refuges
Steve Traxler – FWS - ES
Dawn Jennings – FWS - ES
Todd Hopkins - FWS - ES
Thomas Eason - FLFWC
Overview

• Why?
• What?
• Who?
• Where?
• How?
• When?

• So What?
Change:

The transformational conservation issue of our time

Our future is no longer our past restored
Working with others, to conserve, protect and enhance, fish, wildlife, plants and their habitats for the continuing benefit of the American people.
DOI Secretarial Order No. 3289
Sept. 2009

“Establish Landscape Conservation Cooperatives that enable members of the conservation community to plan, design and deliver conservation in ways that integrate local, State, Tribal, regional, national and international efforts and resources....”
Strategic Habitat Conservation

Outcome-based Adaptive Management

- Biological planning
- Conservation design
- Conservation delivery
- Monitoring & Assessment
- Assumption-driven research
Landscape Conservation Cooperatives

- LCCs: applied conservation-science partnerships, focused on a geographic area, informing strategic conservation, at landscape scales.

- LCCs will help partners establish common goals and priorities to be more efficient and effective in targeting the right science in the right places.
Landscape Conservation Cooperatives

- LCCs will engage in biological planning, conservation design, inventory and monitoring program design, and other types of conservation-based scientific research, planning and coordination.

- Products developed by LCCs will inform the actions of partners and other interested parties in their delivery of on-the-ground conservation.
FY2011 Proposed Increased Funding for LCCs & Climate Science Centers

- FWS - $8.5 M
- USGS - $10.4 M
- NPS - $10 M
- BLM - $2.5 M
- BOR - $3.5 M
- BIA - $200 K
LCC Governance

Steering Committee:
Executive and management level representatives from partner organizations, who provide direction and set priorities.

- Charter
- Development and Operations Plans
- Communication Plans
- Science Needs and Priorities
LCC Core Capacities

- Population, climate and landscape modeling
- Resource planning and conservation design
- Statistical design and analysis
- Development of monitoring and evaluation protocols
- Spatial data acquisition and analysis
- Web-hosting, database design and management
- Communications
LCCs are true cooperatives, formed and directed by land, water, wildlife, and cultural resource managers and interested public and private organizations.

The Development Team Wants You!
to be part
of the Florida LCC
The Mission of The Nature Conservancy
to preserve the plants, animals and
natural communities that represent
the diversity of life on Earth by
protecting the lands and waters
they need to survive.
TNC’s Conservation Approach

Conservation by Design

Collaborative, science-based approach working with partners to achieve greatest conservation results
Integrated Landscape
land, water, systems
Critical Lands & Waters Identification Project (CLIP)

- Derived from and updates existing data sources
- Prioritizes biodiversity, landscapes, water
- Multi-agency technical advisory group
Cooperative Conservation Blueprint

CLIP is the first step
- Expert science product
- A unified GIS application
- Decision support tool

Blueprint
- Builds on CLIP
- Cross links with social and economic priorities
- Creates a consensus GIS overlay
Consensus Priority 1 & 2

This map represents the P1 and P2 priority levels of the aggregated CLIP priorities with existing conservation lands included on top of the CLIP priorities. The current version of the CLIP priorities are based on rules-based selections from each of the 9 core data layers within the Biodiversity, Surface Water, and Landscape Resource Categories and overlap between the Biodiversity, Surface Water, and Landscape Resource Categories.

CLIP P1 and P2 Priorities with Existing Conservation Lands

- Existing conservation lands
- P1
- P2
- P1 in submerged lands/state waters
- P2 in submerged lands/state waters
1 & 2 Priorities Overlay Agriculture and Silviculture
1 & 2 Priorities Overlay 2060 Growth Projection

CLIP High Priorities and Projected Growth from the Florida 2060 Model

- CLIP Priority 1 and 2 in 2020 Projected Growth
- CLIP Priority 1 and 2 in 2040 Projected Growth
- CLIP Priority 1 and 2 in 2060 Projected Growth
- Other 2020 Projected Growth
- Other 2040 Projected Growth
- Other 2060 Projected Growth
- Other CLIP Priority 1 and 2
- Existing development
1 & 2 Priorities FDOT Projects

CLIP High Priorities and Transportation Projects
- CLIP Priority 1 and 2 in Transportation Projects
- Other Transportation Projects
- Other CLIP Priority 1 and 2
1 & 2
Priorities
1 meter
Sea Level Rise

CLIP High Priorities and Projected Sea Level Rise (1m)
- CLIP Priority 1 and 2 Projected Submerged
- CLIP Priority 1 and 2 Submerged
- Other CLIP Priority 1 and 2