Introducing the PFLCC Conservation Planning Atlas
PFLCC Science Plan:

- Ecological Planning
- Conservation Design
- Conservation Delivery
- Research and Monitoring
- Data Sharing and Coordination

Conservation Planning Atlas (CPA) – A tool to share data, a platform to visualize data, and a resource to aid in collaboration (of conservation design and delivery).
The Atlas

- Runs through DataBasin platform
- Designed by: Conservation Biology Institute
- Designed for showcasing spatial datasets, projects, and efforts
- Will be the home for PFLCC Conservation Design and other deliverables
Main Menu Options:
- Data Galleries
- Mapping Tools

Data Galleries:
- Critical Lands & Waters Identification Project
- Alternative Futures & Scenarios
- Base Maps & Data
- Priority Resources & Conservation Targets
- Supporting Models & Data
- Landscape Changes and Threats

Simple Map Viewer:
- Coming Soon...

PFLCC CPA News:
Dec 10 - Please welcome the PFLCC's new CPA!
The Peninsular Florida LCC is pleased to showcase its new Conservation Planning Atlas (CPA). Portions of this atlas (e.g., The Simple Map Viewer) are still in development but we are happy to announce that the CPA itself is now operational.

Advanced Mapper:
Featured Datasets

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see more

Advanced Mapper

Featured Datasets

- Florida 2000 Development Projections
- Florida Sea Level Rise Projections in Meters
- Florida Critical Lands and Waters Identification Project Database
- Florida Natural Areas Inventory (FNAL) Managed Conservation Lands
- Florida Cooperative Land Cover Map
- Combined Potential Species Habitats in Florida

LCC Links

Neighboring LCC Conservation Planning Atlases

Gulf Coastal Plains and Ozarks LCC
The Gulf Coastal Plains and Ozarks LCC includes the Missouri and Arkansas highlands of the Ozark, Boston and Ouachita mountain ranges, and Gulf Coastal Plains, which extend from eastern Texas to the Florida panhandle.

South Atlantic LCC
The South Atlantic LCC includes the Middle Atlantic Coastal Plain, Southern Coastal Plain, Southeastern Plains, the Piedmont, and the Blue Ridge.

Caribbean LCC
The Caribbean LCC includes Puerto Rico and the US Virgin Islands.
Welcome to Climate Adaptation Scenario Planning - Pilot Program.

Welcome!

The goal of this online group, located within the Peninsular Florida LCC's (PFLCC) Conservation Planning Atlas (CPA), is to give managers the resources and tools they need to make choices or decisions for management activities that are better oriented to potential future conditions. This online working group provides a means to share data, create maps and scenarios, and otherwise conduct scenario planning efforts. In short, group members can upload data, create maps, and share those maps and data with each other.
Advanced Mapper

For more detailed view of data, simple analyses and data download
About the PFLCC Conservation Planning Atlas

The Peninsular Florida LCC Conservation Planning Atlas is a data discovery, visualization, and analytical platform for stakeholders throughout the Peninsular Florida area. With the PFLCC CPA you can search for spatial datasets, visualize supported projects, and learn more about landscape scale conservation science and design in the region.

More Information... Take a Tour

Data Galleries

- Critical Lands & Waters Identification Project
- Alternative Futures & Scenarios
- Base Maps & Data
- Priority Resources & Conservation Targets - Coming Soon...
- Supporting Models & Data
- Landscape Changes and Threats

Simple Map Viewer

Coming Soon...

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Advanced Mapper
The Simple Viewer

- Designed for PFLCC and partners to better collaborate/ prioritized
- Data summarized by watersheds (HUC12s)
- Two functions:
  - Landscape scale data comparisons and filtering across HUC12s
  - HUC12 detailed data viewing
Initial view:
PFLCC DRAFT Priority Resources

Percentage of each HUC
The Simple Viewer - Filters

- Info
  - Welcome
  - Basic steps for use

- Priorities
  - PFLCC Priority Resources (draft)
  - CLIP
    - Overall
    - Biodiversity
    - Landscape
    - Surface Water

- Species
  - By Species (SHCA species)
  - By guild

- Land Use
  - Working lands
  - Silviculture
  - Urban

- Threats
  - Sea Leve Rise
  - Urbanization
Critical Land and Water Identification Project (CLIP)

- Combined Model
  - Biodiversity
    - Strategic Habitat Conservation Areas
    - Under-Protected Natural Communities
    - Biodiversity Hotspots
    - Rare Species Habitat Conservation Priorities
  - Landscape
    - Florida Ecological Greenways Network
    - Landscape Integrity
  - Surface Water
    - Significant Surface Waters
    - Natural Floodplain
    - Wetlands
Filters - Priorities

PFLCC DRAFT Priority Resources

Priority resources are the set of biological, ecological, and cultural features and ecological processes collaboratively identified as most important, and are the focus of the PFLCC’s planning. Priority resources will provide a simple way to measure the overall condition of the Peninsular Florida’s complex systems. There are currently 12 DRAFT Priority Resources, 9 based on land cover types from the Cooperative Land Cover map (v. 3.1): High Pine and Scrub, Pine Flatwoods and Dry Prairie, Freshwater Forested Wetlands, Hardwood Forested Uplands, Coastal Uplands, Freshwater non-forested Wetlands, Estuarine, Marine, Freshwater Aquatic; and 3 non-CLC based resource types: Landscape Connectivity, Cultural and Socioeconomic, and Working Lands.
Filters - Priorities
Filters - Selection

PFLCC DRAFT Priority Resources
- % of watershed covered by combined priority resources
  - Most (>92% of watershed)
  - More (85 - 91%)
  - Intermediate (75 - 84%)
  - Less (59 - 74%)
  - Least (<59% of watershed)

Overall CLIP (clear filter)
- % of watershed covered by Priority 1 and 2
  - Most (>92% of watershed)
  - More (70 - 91%)
  - Intermediate (45 - 69%)
  - Less (23 - 44%)
  - Least (<23% of watershed)

CLIP Biodiversity
- % of watershed covered by combined priority resources
  - Most (>73% of watershed)
  - More (46 - 72%)
  - Intermediate (24 - 45%)
  - Less (11 - 23%)
  - Least (<11% of watershed)

CLIP Landscape
Filters - Selection

Peninsular Florida LCC - Simple Map Viewer

Each factor below represents a different conservation related measure. Each factor is broken into 5 classes. Each class has an associated range of values that represent the area of a factor within the watershed (HUC 12). The bars represent the number of watersheds that fall into each class. The initial setting divides the number of watersheds approximately equally across the 5 classes for each factor.

- **PFLCC DRAFT Priority Resources**
  - % of watershed covered by combined priority resources
  - Most (>92% of watershed)
  - More (85 - 91%)
  - Intermediate (75 - 84%)
  - Less (59 - 74%)
  - Least (<59% of watershed)

- **Overall CLIP**
  - % of watershed covered by Priority 1 and 2
  - Most (>92% of watershed)
  - More (70 - 91%)
  - Intermediate (45 - 69%)
  - Less (23 - 44%)
  - Least (<23% of watershed)

- **CLIP Biodiversity**
  - % of watershed covered by Priority 1 and 2
  - Most (>73% of watershed)
  - More (46 - 72%)
  - Intermediate (24 - 45%)
  - Less (11 - 23%)
  - Least (<11% of watershed)

- **CLIP Landscape**
Filters - Species
Filters - Species

Peninsular Florida LCC - Simple Map Viewer

Select one or more species below to select watersheds that have at least the amount of potential habitat you specify (up to the maximum amount of potential habitat area found for that species).

- Birds: choose a species
- Mammals: choose a species
- Amphibians & Reptiles: choose a species

Swallow-Tailed Kite [remove]
- At least 0 ha
  - max: 127,009 ha

Striped Newt [remove]
- At least 0 ha
  - max: 6,491 ha

PFLCC DRAFT Priority Resources
% of watershed covered by combined priority resources:
- Most (92% or more)
- More (80% - 91%)
- Intermediate (75% - 84%)
- Less (50% - 74%)
- Least (<19%)

637 of 1,361 watersheds visible
Filters - Species

Peninsular Florida LCC - Simple Map Viewer

Select one or more species below to select watersheds that have at least the amount of potential habitat you specify (up to the maximum amount of potential habitat area found for that species).

- Birds: choose a species
- Mammals: choose a species
- Amphibians & Reptiles: choose a species

- Swallow-Tailed Kite: [remove] at least 0 ha
  max: 127,000 ha
- Striped Newt: [remove] at least 20 ha
  max: 8,491 ha
Filters – Land Use

[Map of Florida showing land use categories with filters for Natural Upland, Wetland, Freshwater Aquatic, Marine, Rural - High Intensity, Rural - Low Intensity, and Tree Plantations.]

- **Natural Upland**: at least 0 ha, max: 19,721 ha
- **Wetland**: at least 4000 ha, max: 219,643 ha
- **Freshwater Aquatic**: 0 ha, max: 136,924 ha
- **Marine**: 0 ha, max: 92,715 ha
- **Rural - High Intensity**: 0 ha, max: 93,432 ha
- **Rural - Low Intensity**: 0 ha, max: 8,449 ha
- **Tree Plantations**: 0 ha, max: 8,449 ha

PFLCC DRAFT Priority Resources: % of watershed covered by combined priority resources.
Filters – Threats

Projected Sea Level Rise
- 1 meter (2970 - 2990)
- 2 meters (2100 - 2120)
- 3 meters (2130 - 2150)

Urban Development / Population Growth
- Existing
- 2020
- 2040
- 2060

- % of watershed with urban / suburban development:
  - Most (>50% of watershed)
  - More (25 - 49%)
  - Intermediate (10 - 24%)
  - Less (1 - 9%)
  - Least (<1% of watershed)
Filters – Threats

Projected Sea Level Rise
- Clear filter
- 1 meter (2070 - 2090)
- 2 meters (2100 - 2120)
- 3 meters (2130 - 2150)

% of watershed inundated
- Most (>50% of watershed)
- More (25 - 49%)
- Intermediate (10 - 24%)
- Less (1 - 9%)
- Least (<1% of watershed)

Urban Development / Population Growth
- Clear filter
- Existing
- 2020
- 2040
- 2060

% of watershed with urban / suburban development
- Most (>50% of watershed)
- More (25 - 49%)
- Intermediate (10 - 24%)
- Less (1 - 9%)
- Least (<1% of watershed)
Filters to Details
Filters to Details
Details - Overall
Details - CLIP

Overall CLIP Biodiversity

This model is a combination of the four CLIP core data layers in the Biodiversity Resource Category: Strategic Habitat Conservation Areas (SHCA), Vertebrate Potential Habitat Richness (VertRich), Rare Species Habitat Conservation Priorities (FNAIHHA), and Priority Natural Communities (Natcom). See pg. 14 of the CLIP Technical Report for the rules used to assign the core data layers into the Biodiversity resource priority model.

Rare Species
- Strategic Habitat Conservation Areas
- Priority Natural Communities
- Overall Vertebrate Species Richness

Read more about CLIP 3.0 and access data.
Details - CLIP

- Rare Species
  - Strategic Habitat Conservation Areas

- Priority 2 species
  - Florida Black Bear: 8,493 ha
  - Short-Tailed Hawk: 4,993 ha
  - Striped Newt: 2,149 ha
  - Florida Scrub-Jay: 1 ha

- Priority 3 species
  - Florida Mouse: 2,926 ha
  - Swallow-Tailed Kite: 2,048 ha
  - Scott’s Seaside Sparrow: 1,492 ha

- Priority 4 species
  - Cooper’s Hawk: 2,685 ha

* See listing of FWC’s SHCA species in Appendix A of CLIP Technical Report.
Details – Land Use
Details – Threats

- **Projected Sea Level Rise**
  - Projected - 1 meter (2070 - 2090): 31%
  - Projected - 2 meters (2100 - 2120): 55%
  - Projected - 3 meters (2130 - 2150): 60%
  - Not affected by up to 3 meters: 40%

Read more about sea level rise projections and access data here.

- **Urban Development / Population Growth**
  - Existing: 19%
  - Projected - 2020: 22%
  - Projected - 2040: 25%
  - Projected - 2060: 27%
  - Not developed by 2060: 73%

Read more about urban development projections and access data here.
Details – Partners

Peninsular Florida LCC - Simple Map Viewer

Overall Ownership

- Federal: 17%
- State: 51%
- Local: 32%
- Other Lands: 6%

Mud Creek-Higginbotham Creek Frontal
HUC 12: 031003070205 (15,992 hectares)

Partner Conservation Efforts

- Chassahowitzka National Wildlife Refuge: 2,744 ha
- Chassahowitzka Wildlife Management Area: 7,391 ha
- Annettina Hammock: 524 ha
- Weekiwahee Preserve: 149 ha
- Janet Butterfield Brooks Preserve: 64 ha

Local: Fickett Hammock Preserve: 63 ha

Read more about land ownership and access data here.

PFLCC DRAFT Priority Resources

- Most (>82% of watershed)
- More (81-91%)
- Intermediate (75-84%)
- Less (59-74%)
- Least (<59% of watershed)

50 of 1,351 watersheds visible.
Details – Partners
Future Work

• Simple Viewer
  • Report feature
  • Multi-Watershed (HUC 12) selection

• Conservation Planning Atlas Tools
  • Project Tracker
  • Climate Action Toolbox
Links and Contacts

• PFLCC:
  • Web page - http://peninsularfloridalcc.org/
  • CPA - https://pflcc.databasin.org/