Florida 2070

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Project partners and panelists:

1000 Friends of Florida

Founded in 1986, 1000 Friends of Florida is a 501(c)(3) not-for-profit organization that focuses on saving special places and building better communities in one of the fastest growing states in the nation. Visit www.1000friendsofflorida.org for more information on 1000 Friends.

Panelists

Vivian Young, AICP, Communications Director
Ryan Smart, President
Project partners and panelists:

The Florida Department of Agriculture and Consumer Services supports and promotes Florida agriculture, protects the environment, safeguards consumers, and ensures the safety and wholesomeness of food. Our programs and activities are so varied and extensive, they touch the life of just about every Floridian. For more information please visit www.freshfromflorida.com.

Panelists

Cori Hermle, Environmental Consultant, Office of Agricultural Water Policy, Florida Department of Agriculture and Consumer Services
Project partners and panelists:

Established in 1984, Geoplan is a multidisciplinary GIS laboratory located in the University of Florida’s School of Landscape Architecture and Planning, College of Design, Construction and Planning. It was developed in response to the need for a teaching and research environment for Geographic Information Systems, or GIS. Under its auspices spatial analysis is conducted in support of a broad range of academic disciplines. Additional information is available at www.geoplan.ufl.edu.

Panelists

Margaret H. Carr, Professor, Department of Landscape Architecture, University of Florida

Paul D. Zwick, Ph.D., Professor, Department of Urban and Regional Planning, University of Florida
There is no other Florida.

Sandy beaches, crystalline springs, piney flatwoods, coastal dunes, mangrove swamps, salt marshes, the Everglades and more – Florida is home to some of the nation’s most iconic landscapes.
Florida’s lands and waters provide us with abundant recreational opportunities.

They are a cornerstone of this state’s economy, attracting more than 100 million tourists each year.
These natural areas shelter and sustain the vast array of flora and fauna that call Florida home.

They also protect and cleanse our drinking water.
Florida’s rich soils and warm climate make this state a leader in agricultural production.

Florida is a major producer of fruits, vegetables, and livestock.

Agriculture is the second largest contributor to Florida’s economy after tourism.
But we are losing Florida’s natural and agricultural lands.

More than 1000 people move to Florida every day.

And in 2014, Florida’s population surpassed that of New York, making it the third largest state in the nation.
Using moderate projections, by 2070, Florida is expected to have 33.7 million residents, about 15 million more than it had in 2010.

This growth has significant impacts on Florida’s lands, waters, roads, and quality of life.
Currently Florida is accommodating population increases roughly the equivalent of a new City of Tampa every year.

This raises fundamental questions:
Where will future residents work and live?

Or here?
What impact will this have on Florida’s natural areas?
How can we keep agricultural lands in production?
What can be done to safeguard Florida’s waters and the lands that protect them?
How can we promote vibrant, walkable communities with livable neighborhoods to enhance our quality of life?
To find answers, 1000 Friends of Florida, the University of Florida’s GeoPlan Center, and the Florida Department of Agriculture and Consumer Services have prepared *Florida 2070*. 
THE 2070 PROJECT
Based on an Update and Expansion of Florida 2060 Estimates

- Population projections have changed – the projected 2070 population growth has decreased from previous 2060 estimates….but nearly 15 million additional residents are still anticipated.
- Florida 2060 compared the 2005 land use pattern with a 2060 Trend scenario.
- Florida 2070 compares the 2010 land use pattern with both 2070 Trend and 2070 Alternative scenarios.
- Data inputs and modeling methodology were updated for Florida 2070, including adding productive agricultural soils as a criterion in the suitability analysis.
- The soils data were provided by the Florida Department of Agriculture and Consumer Services from the Balmoral Group’s study, Florida Statewide Agricultural Irrigation Demand (2015).
Florida 2070

This map series depicts Florida:

• In 2010
• In 2070 [Trend] if we keep developing the same way
• In 2070 [Alternative] with more compact communities, protected natural areas, and agricultural lands in production
At the time of the U.S. Census in 2010, Florida had:

- 18.8 million residents
- 6.4 million acres of developed lands
- 9.95 million acres of protected lands (excluding agriculture)
- 920,000 acres of protected agricultural lands
- 7.5 million acres of agricultural lands (excluding timber)
- 9.5 million acres of other undeveloped lands
TREND 2070
What happens if current patterns of development remain the same in 2070?
Assumptions for Trend 2070

• Population growth between 2010 and 2070 is based on Florida Bureau of Economic and Business Research (BEBR) medium range projection (approximately 15 million new residents)

• Gross development density of developed lands in each county remains the same as in 2010

• No new conservation lands are added

• A set of weighted criteria are used to determine lands most suitable for new development, based on:
  – Proximity to existing urban areas
  – Absence of wetlands
  – Absence of good agricultural soils
  – Road density
  – Proximity to coastline
  – Existence of approved Developments of Regional Impacts and Sector Plans
  – Proximity to major roads
  – Proximity to major urban areas
  – Proximity to open water
What happens if new development follows current trends and continues to sprawl at low densities?

By 2070, roughly 5 million acres (including 3 million acres of Florida’s agricultural and natural lands) could convert to urban use to accommodate approximately 15 million new residents.
If current development patterns continue, the Florida 2070 trend scenario will have:

- 33.7 million residents
- 11.6 million acres of developed lands
- 9.95 million acres of protected lands (excluding agriculture)
- 920,000 acres of protected agricultural lands
- 6.4 million acres of agricultural lands (excluding timberlands)
- 6.5 million acres of other undeveloped lands (including timberlands)
Let’s Take a Closer Look

Florida 2010

Trend 2070
## 2010 Baseline and 2070 Trend Scenario Acreage Comparisons

<table>
<thead>
<tr>
<th>Category</th>
<th>Baseline</th>
<th>% of Land</th>
<th>Trend</th>
<th>% of Land</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developed</td>
<td>6,412,000</td>
<td>18.56%</td>
<td>11,647,716</td>
<td>33.72%</td>
</tr>
<tr>
<td>Protected (excluding agriculture)</td>
<td>9,950,000</td>
<td>28.80%</td>
<td>9,950,000</td>
<td>28.80%</td>
</tr>
<tr>
<td>Protected Agriculture</td>
<td>920,000</td>
<td>2.66%</td>
<td>920,000</td>
<td>2.66%</td>
</tr>
<tr>
<td>Protected Subtotal</td>
<td>10,870,000</td>
<td>31.47%</td>
<td>10,870,000</td>
<td>31.47%</td>
</tr>
<tr>
<td>Agriculture (croplands, livestock, aquaculture)</td>
<td>7,518,267</td>
<td>21.76%</td>
<td>5,520,237</td>
<td>15.98%</td>
</tr>
<tr>
<td>Agriculture Subtotal</td>
<td>8,438,267</td>
<td>24.43%</td>
<td>6,440,237</td>
<td>18.64%</td>
</tr>
<tr>
<td>Other (mining, timber, etc.)</td>
<td>9,742,733</td>
<td>28.20%</td>
<td>6,505,047</td>
<td>18.83%</td>
</tr>
<tr>
<td><strong>Total State Land Acres</strong></td>
<td><strong>34,543,000</strong></td>
<td><strong>100.00%</strong></td>
<td><strong>34,543,000</strong></td>
<td><strong>100.00%</strong></td>
</tr>
</tbody>
</table>
ALTERNATIVE 2070
Using conservation strategies
Alternative 2070

What happens in 2070 if new development is more compact, important conservation lands are protected, and good agricultural lands aren’t developed?
Assumptions for Alternative 2070

Same as Trend 2070:
• Population growth between 2010 and 2070 based on BEBR medium range projection (approximately 15 million new residents)
• A set of weighted criteria are used to determine lands most suitable for new development, using the same criteria as Trend 2070.

Different from Trend 2070:
• A portion of each county’s projected population growth was accommodated within existing urban areas, with urbanized counties projected to have greater urban redevelopment than rural counties.
• The gross development density used to predict each county’s new development was increased 20% over the gross development density used in the Trend.
• Existing Florida Forever Acquisition projects and lands identified as Priorities 1 & 2 in the Florida Ecological Greenways Network were added to conservation lands.
In 2070, if the Alternative scenario is followed instead of the Trend, Florida will:

- Save 1.8 million acres of land from development
- Save an additional 5.8 million acres of conservation lands
- Keep 1.3 million more acres of agricultural lands in production
Let’s compare statewide acreage

<table>
<thead>
<tr>
<th>Category</th>
<th>Baseline</th>
<th>% of Land</th>
<th>Trend</th>
<th>% of Land</th>
<th>Alternative</th>
<th>% of Land</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developed</td>
<td>6,412,000</td>
<td>18.56%</td>
<td>11,647,716</td>
<td>33.72%</td>
<td>9,777,000</td>
<td>28.30%</td>
</tr>
<tr>
<td>Protected (excluding agriculture)</td>
<td>9,950,000</td>
<td>28.80%</td>
<td>9,950,000</td>
<td>28.80%</td>
<td>15,716,000</td>
<td>45.50%</td>
</tr>
<tr>
<td>Protected Agriculture</td>
<td>920,000</td>
<td>2.66%</td>
<td>920,000</td>
<td>2.66%</td>
<td>2,931,664</td>
<td>8.49%</td>
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<tr>
<td>Protected Subtotal</td>
<td>10,870,000</td>
<td>31.47%</td>
<td>10,870,000</td>
<td>31.47%</td>
<td>18,647,664</td>
<td>53.98%</td>
</tr>
<tr>
<td>Agriculture (croplands, livestock, aquaculture)</td>
<td>7,518,267</td>
<td>21.76%</td>
<td>5,520,237</td>
<td>15.98%</td>
<td>4,827,759</td>
<td>13.98%</td>
</tr>
<tr>
<td>Agriculture Subtotal</td>
<td>8,438,267</td>
<td>24.43%</td>
<td>6,440,237</td>
<td>18.64%</td>
<td>7,759,423</td>
<td>22.46%</td>
</tr>
<tr>
<td>Other (mining, timber, etc.)</td>
<td>9,742,733</td>
<td>28.20%</td>
<td>6,505,047</td>
<td>18.83%</td>
<td>1,290,577</td>
<td>3.74%</td>
</tr>
<tr>
<td>Total State Land Acres</td>
<td>34,543,000</td>
<td>100.00%</td>
<td>34,543,000</td>
<td>100.00%</td>
<td>34,543,000</td>
<td>100.00%</td>
</tr>
</tbody>
</table>
A Closer Look

Trend 2070

Alternative 2070
Can we do better?

**YES!**

Alternative 2070 shows:
- 15 million more people
- 5.8 million more acres of protected lands than the Trend
- 1.3 million more acres of agriculture than the Trend

If we want less sprawl it will be necessary to:
- Promote even greater rates of redevelopment in urban areas
- Promote even more compact patterns for new development
WHAT’S HAPPENING IN MY PART OF THE STATE?
The Florida Panhandle

Baseline 2010

Alternative 2070

Trend 2070

MAP LEGEND

- Developed
- Protected not in Agriculture
- Protected in Agriculture
- Agriculture (croplands, livestock, aquaculture)
- Other (mining, timber, etc.)
HOW DO WE ACHIEVE A MORE SUSTAINABLE FUTURE?
Save Special Places

Florida’s natural lands provide opportunities for recreation, shelter wildlife, cleanse our drinking water, and are the foundation of this state’s economic prosperity.
Protect Vital Conservation, Agricultural and Other Working Lands Like Those on Florida Forever and Florida Greenways Lists

Existing Conservation and Working Lands

With Florida Forever and Florida Greenways priorities 1 and 2 lands

- Protected
- Other
Support Funding for Greenways and Corridors that Protect Wildlife Habitat and Provide Recreational Opportunities
Establish incentives and increase funding to help landowners conserve important agricultural lands and other working landscapes.
Work to significantly lessen the impact of new development on Florida’s lands and waters.
Build Better Communities

Vibrant, walkable, livable communities enhance our quality of life and our health and protect natural areas from development.

Because these development patterns are more compact, costs associated with installing and maintaining infrastructure such as roads and sewers are lower. This saves taxpayer dollars.

How do we build better communities in Florida?
Support infill and redevelopment in a manner that is sensitive to existing communities.
When new areas are developed, give priority to those near existing communities and infrastructure.
Promote a mixture of homes, shops, schools and offices within close proximity.
Include a range of housing choices to ensure affordability

Affordable housing at Oak Ridge Estates in Tarpon Springs
Approximately 11.6 units per acre
Design for multiple transportation options, including walking, biking and public transportation.
Protect significant historic & natural resources
How Do You Envision Florida’s Future?

2010 Land Use

Trend land use in 2070

Alternative land use in 2070

- Developed
- Protected
- Other
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