



Uses & Applications of an Ecological Site Description

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OVER VIEW

- Applications of an ESD
- What can an ESD do for YOU?
- Examples of the USE of ESDs in Florida

Application of an ESD

Fire Management

Woodland Management

Hydrology

Grazing Management

Recreation

Restoration

Invasive Species

Wildlife

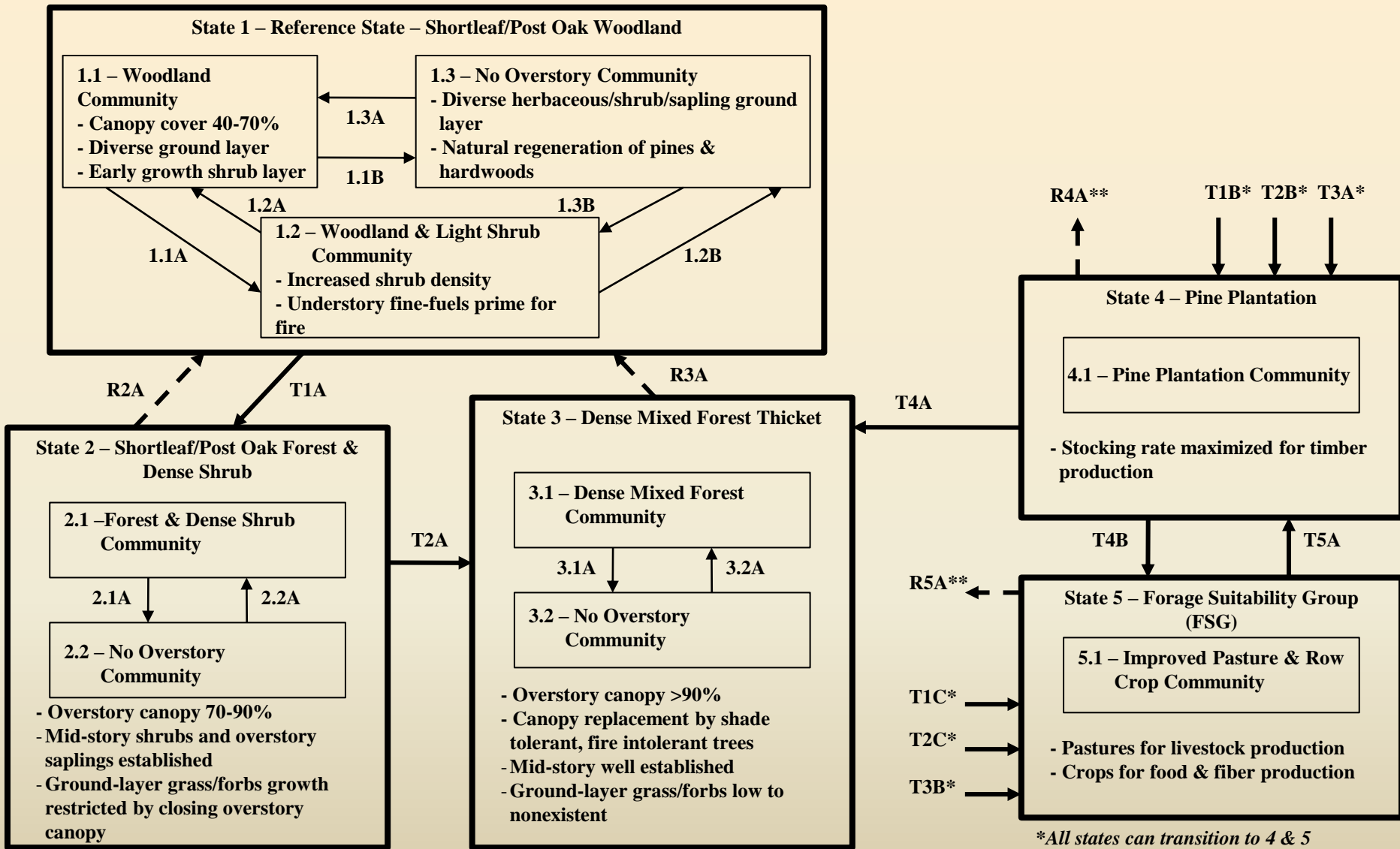
What can an ESD do for YOU?

- Help set realistic management objectives by identifying the range of potential states for a given ecological site.
- Serve as the basis for rangeland inventory, assessment and monitoring
- Suggest potential management strategies with effectiveness of different practices on specific ecological sites and states.

MOST IMPORTANTLY !!!

- It provides a visual tool (Road Map) to communicate ecosystem dynamics to the landowner, permittees, agency employees and across agencies





**All states can transition to 4 & 5
 **States 4 & 5 can restore to 1*



1

R2A

T1A

R3A



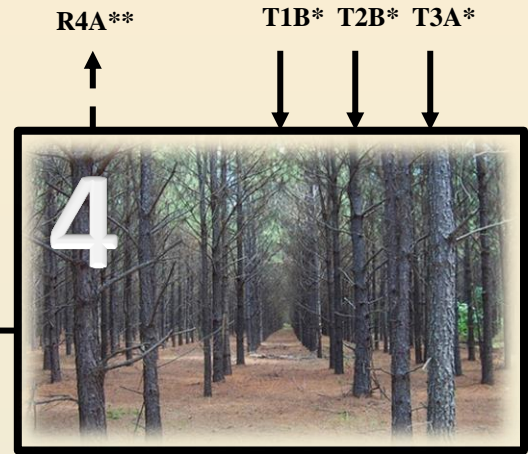
2

T2A



3

T4A



4

R4A**

T1B* T2B* T3A*

T4B

T5A



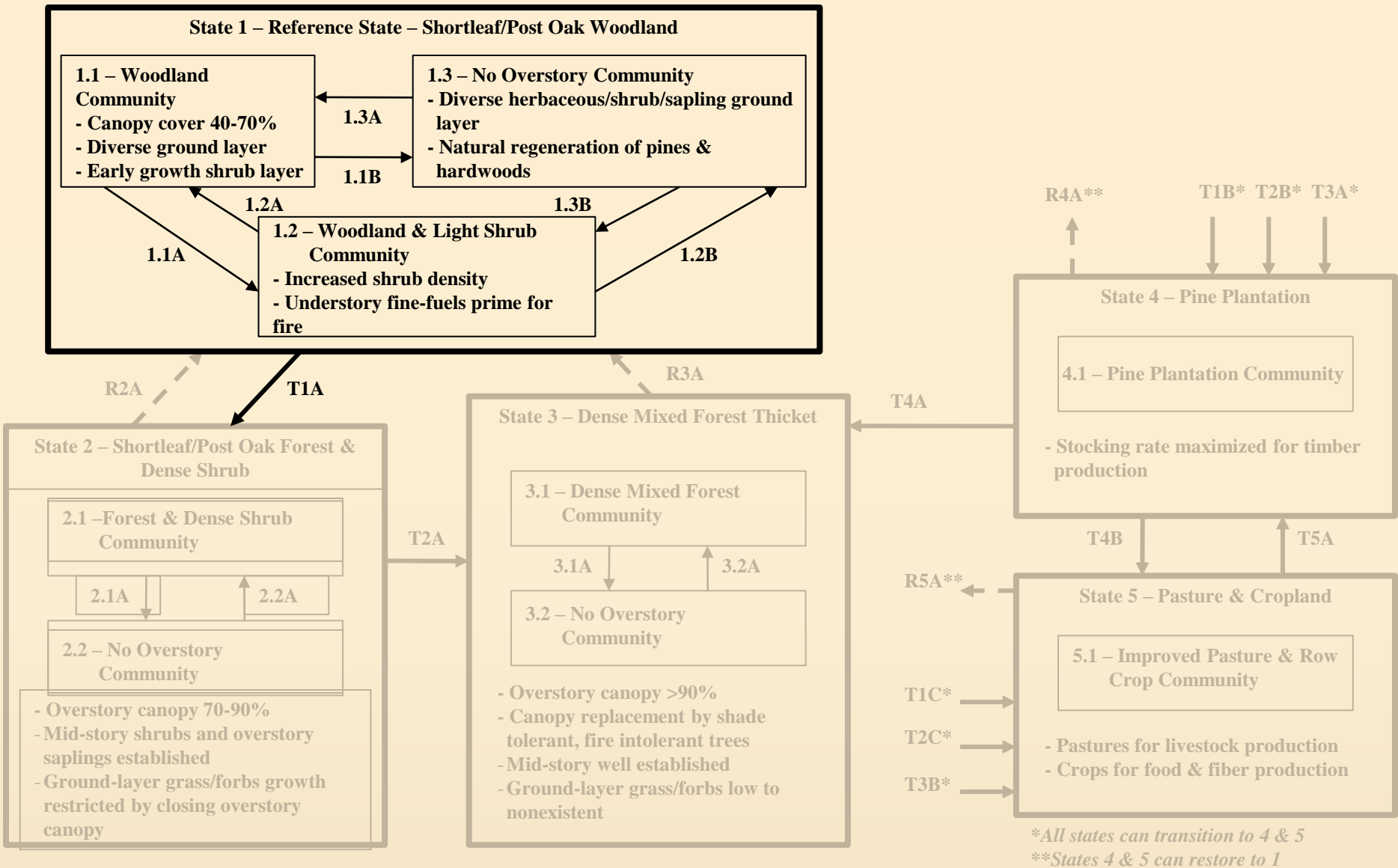
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R5A**

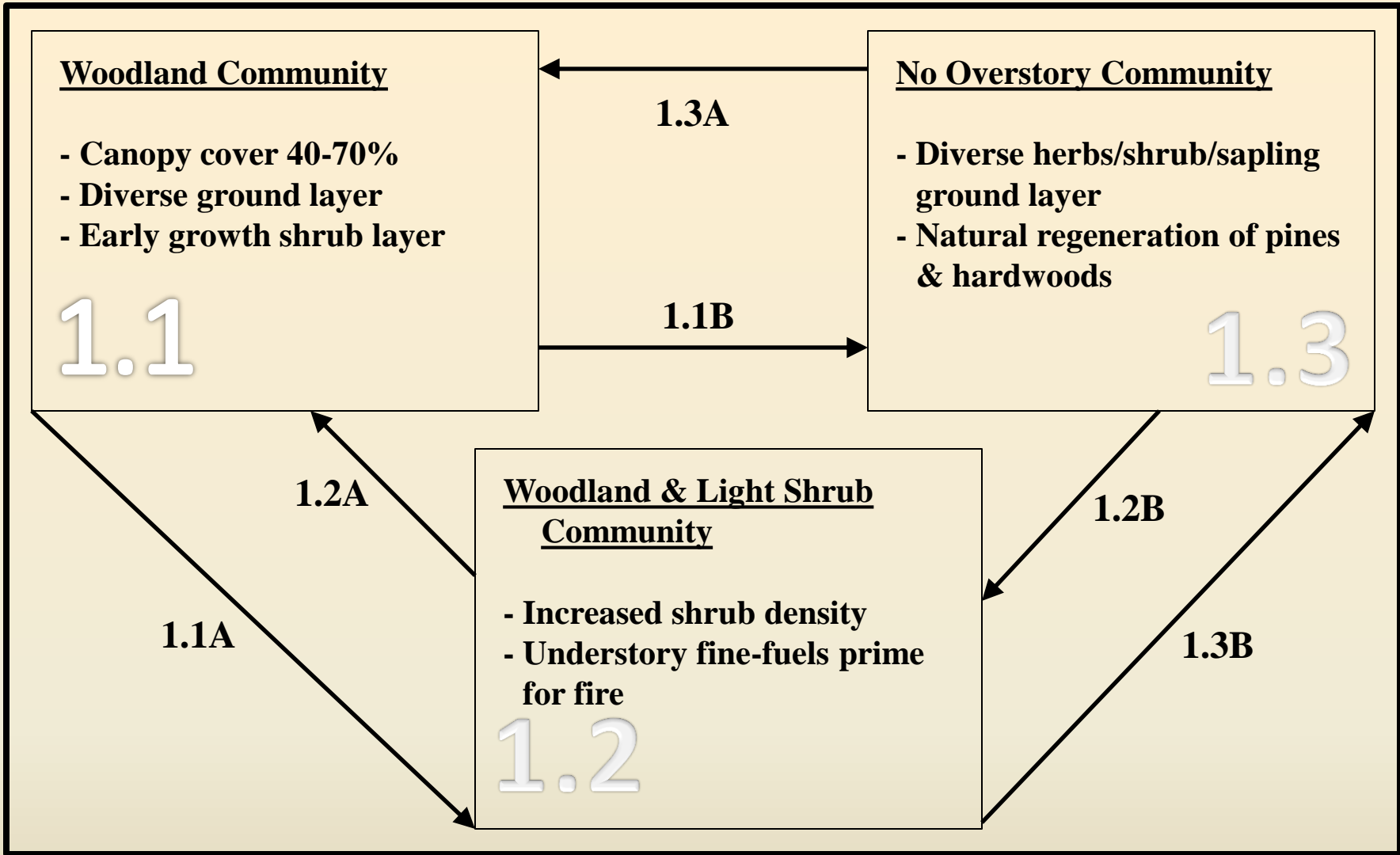
T1C*

T2C*

T3B*

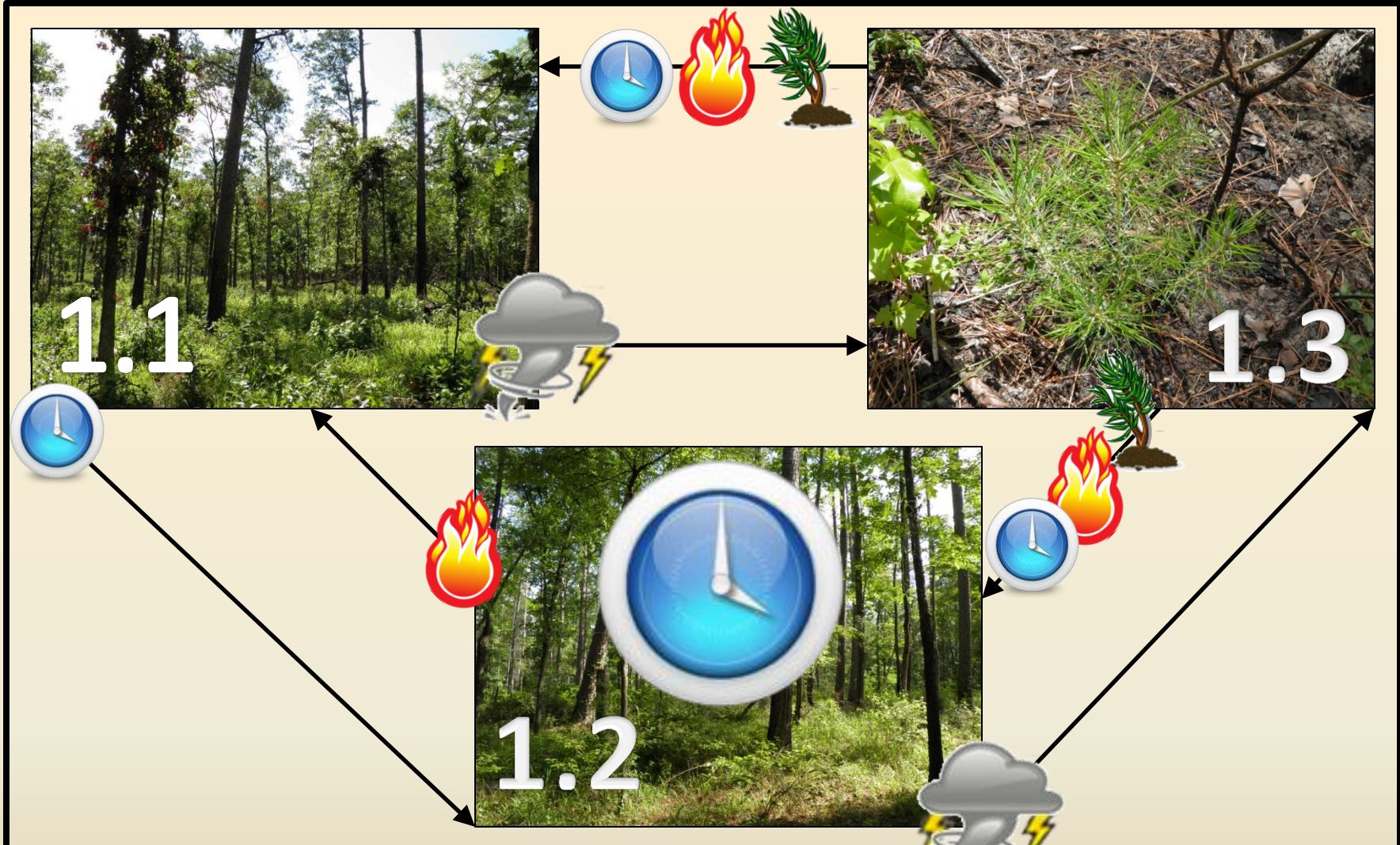


**All states can transition to 4 & 5
 **States 4 & 5 can restore to 1*



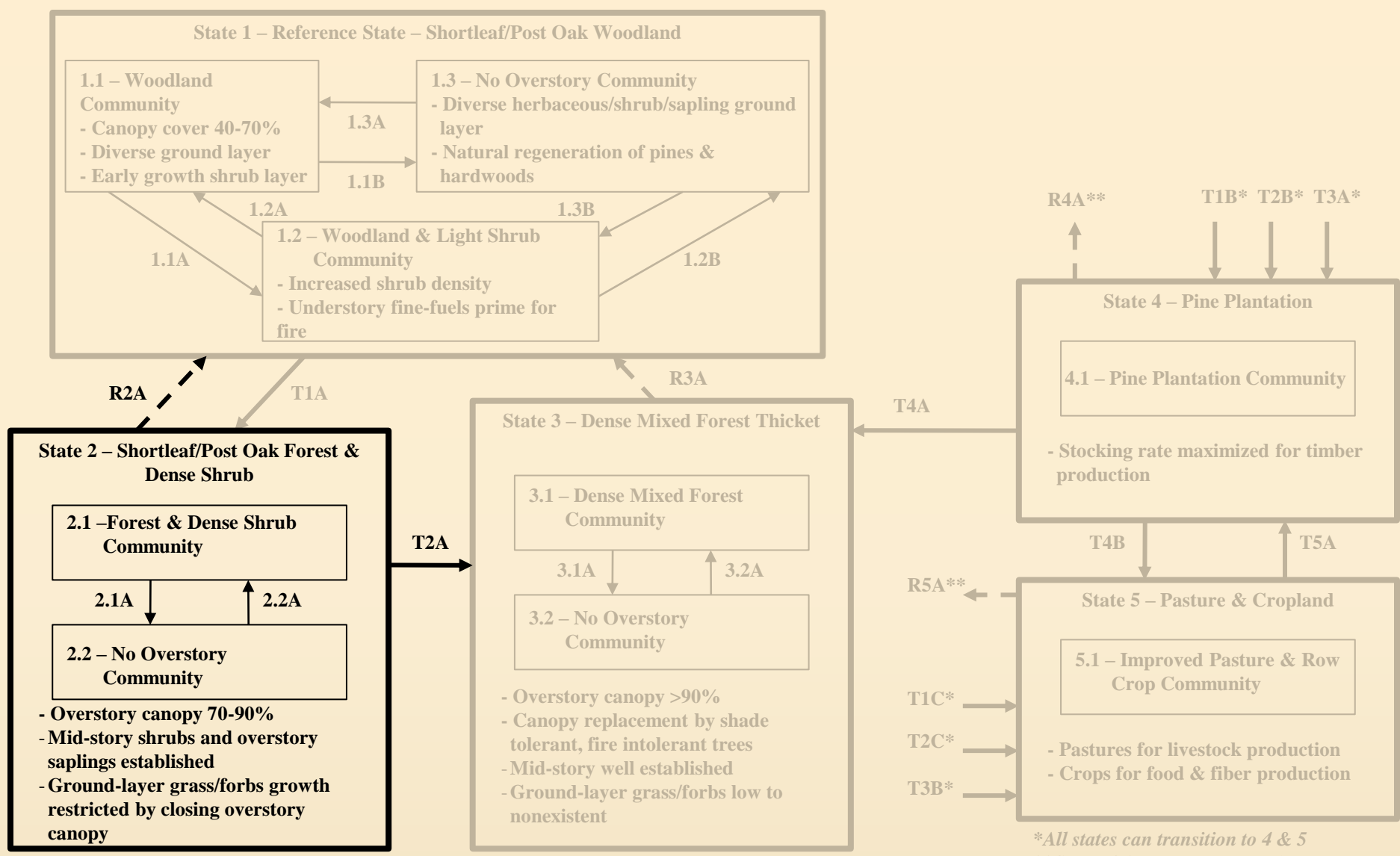
2

1-Shortleaf/Post Oak Woodland



2

**1-Shortleaf/Post
Oak Woodland**



**All states can transition to 4 & 5*
***States 4 & 5 can restore to 1*

2-Shortleaf/Post Oak Forest & Dense Shrub

1

R2A

2.1 Forest & Dense Shrub Community

- Overstory canopy 70-90%
- Mid-story shrubs and overstory saplings established
- Ground-layer grass/forbs growth restricted by closing overstory canopy

2.2A

T2A

3

2.1A

No Overstory Community

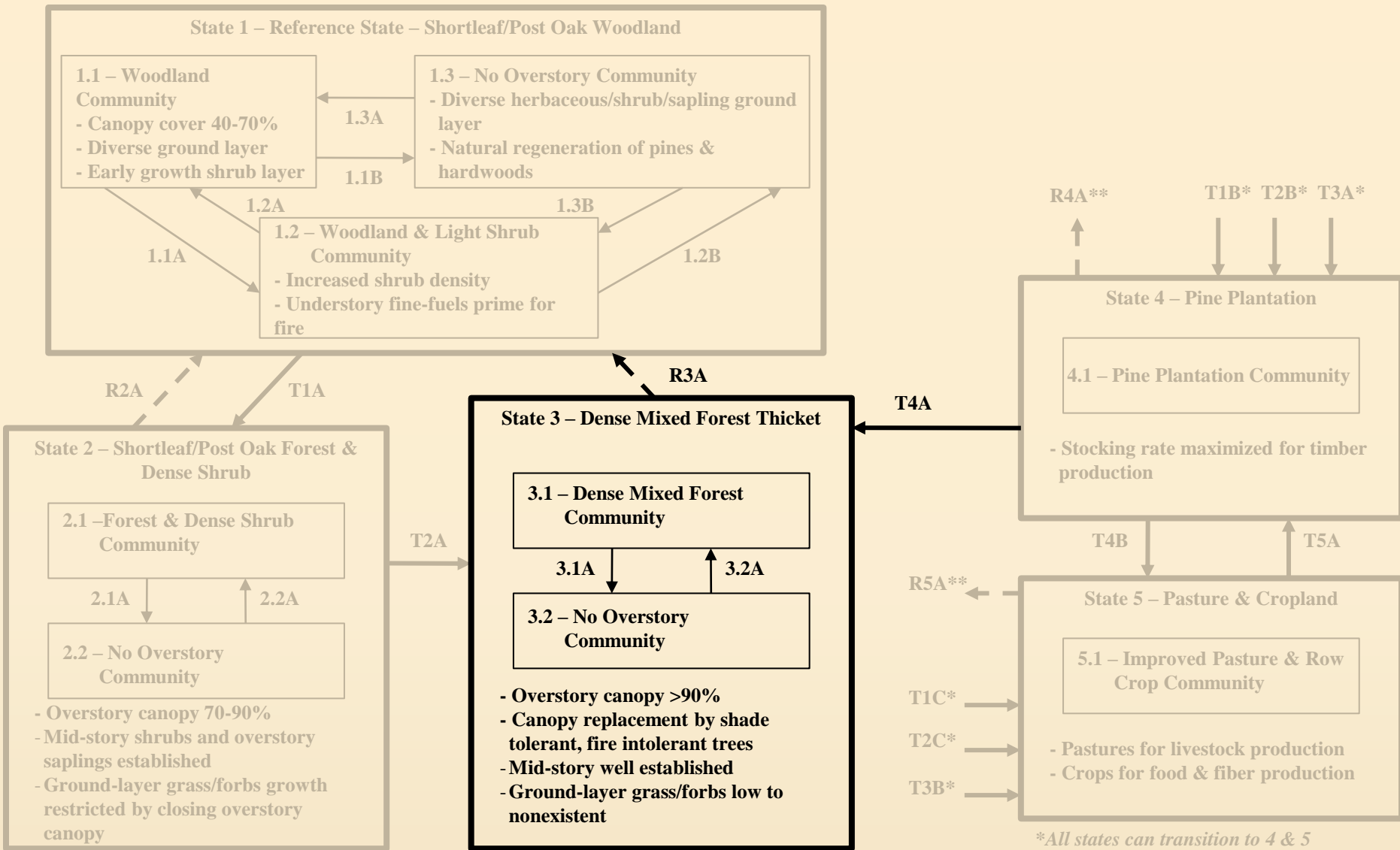
2.2

2-Shortleaf/Post Oak Forest & Dense Shrub

1



3



**All states can transition to 4 & 5*

***States 4 & 5 can restore to 1*

1

R3A

3-Dense Mixed Forest Thicket

3.1 Dense Mixed Forest Community

- Overstory canopy >90%
- Canopy replacement by shade tolerant, fire intolerant trees
- Mid-story well established
- Ground-layer grass/forbs low to nonexistent

3.2A

T4A

4

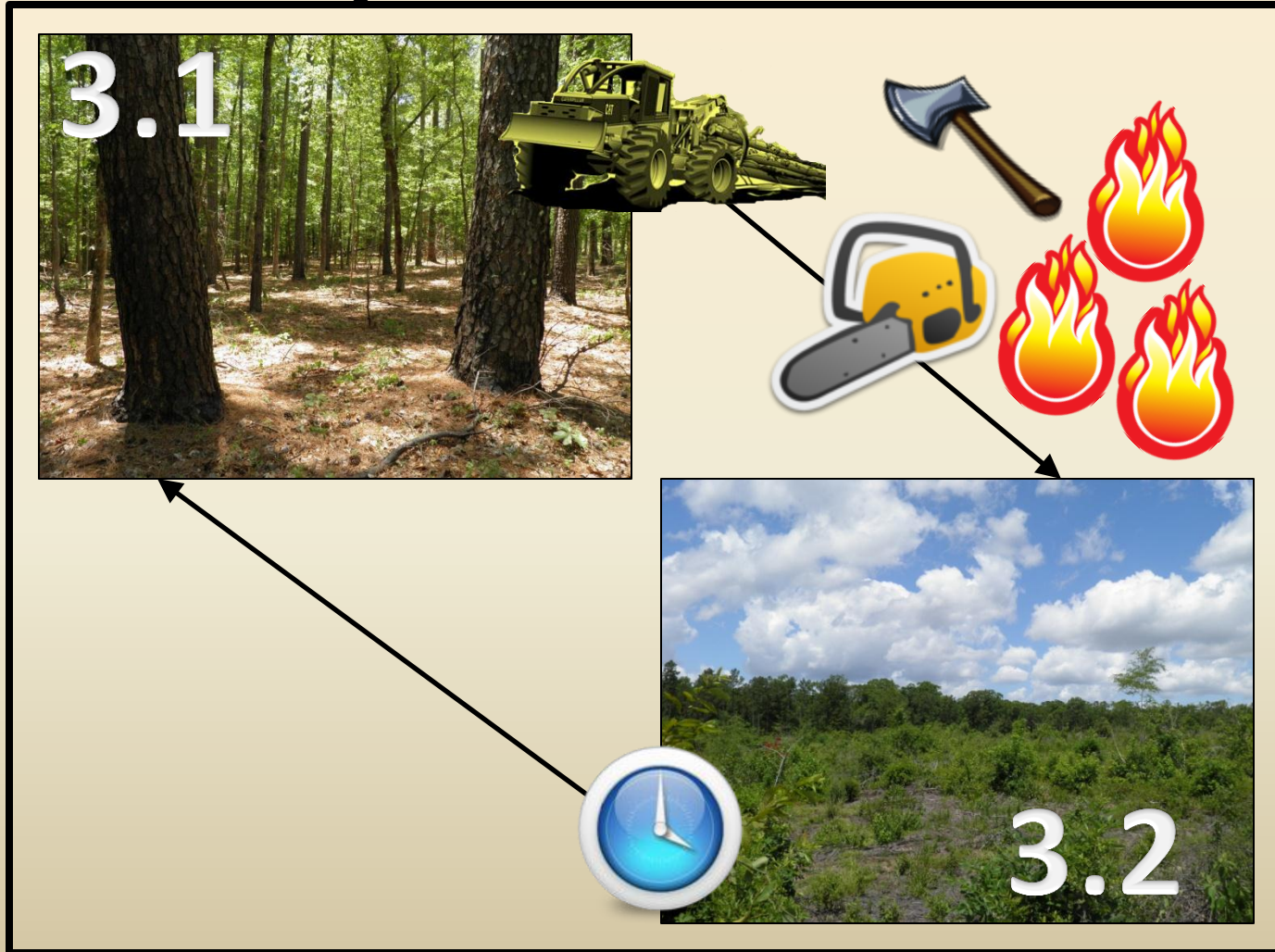
No Overstory Community

3.1A

3.2

1

3-Dense Mixed Forest Thicket

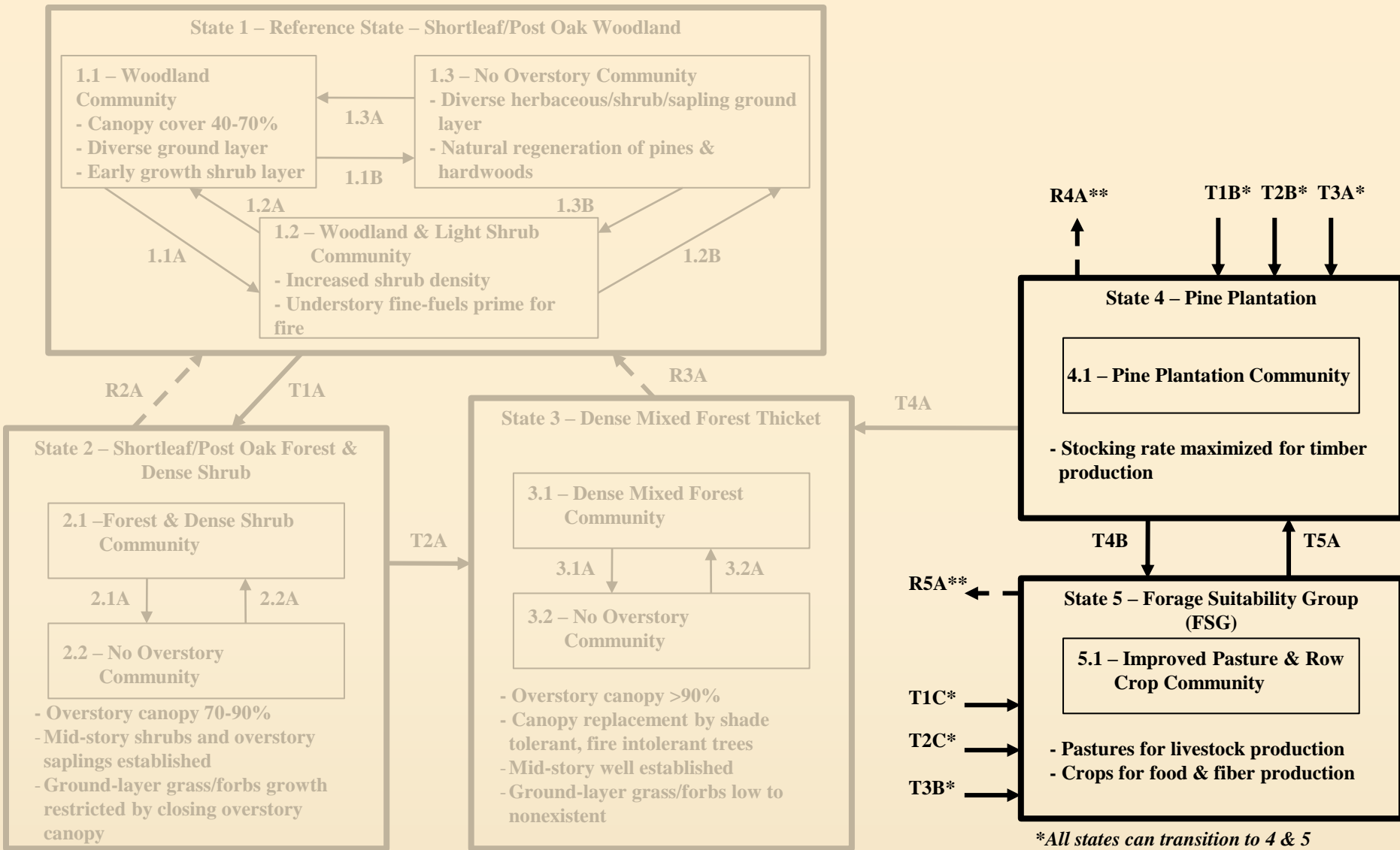


3.1



3.2





**All states can transition to 4 & 5
 **States 4 & 5 can restore to 1*

All

T1B - T2B - T3A

4-Plantation

Pine Plantation Community

- Stocking rate maximized for timber production

4.1

R4A

1

T5A

5- (FSG)

Forage Suitability Group (FSG)

- Pastures for livestock production
- Crops for food & fiber production

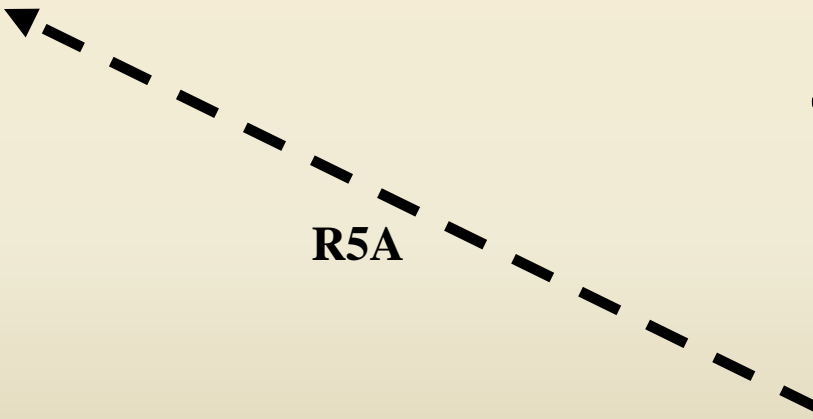
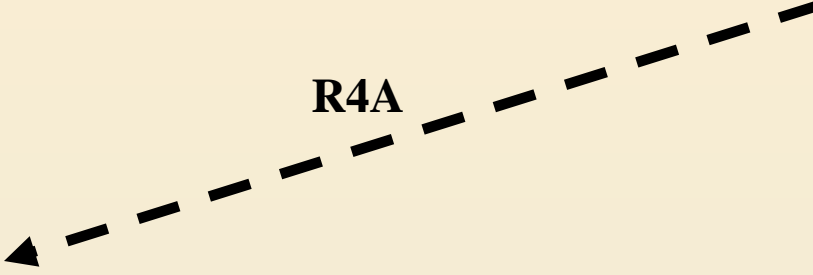
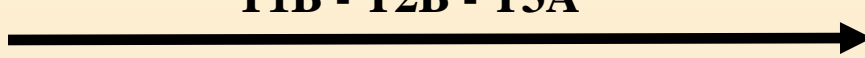
5.1

R5A

T1C - T2C - T3B

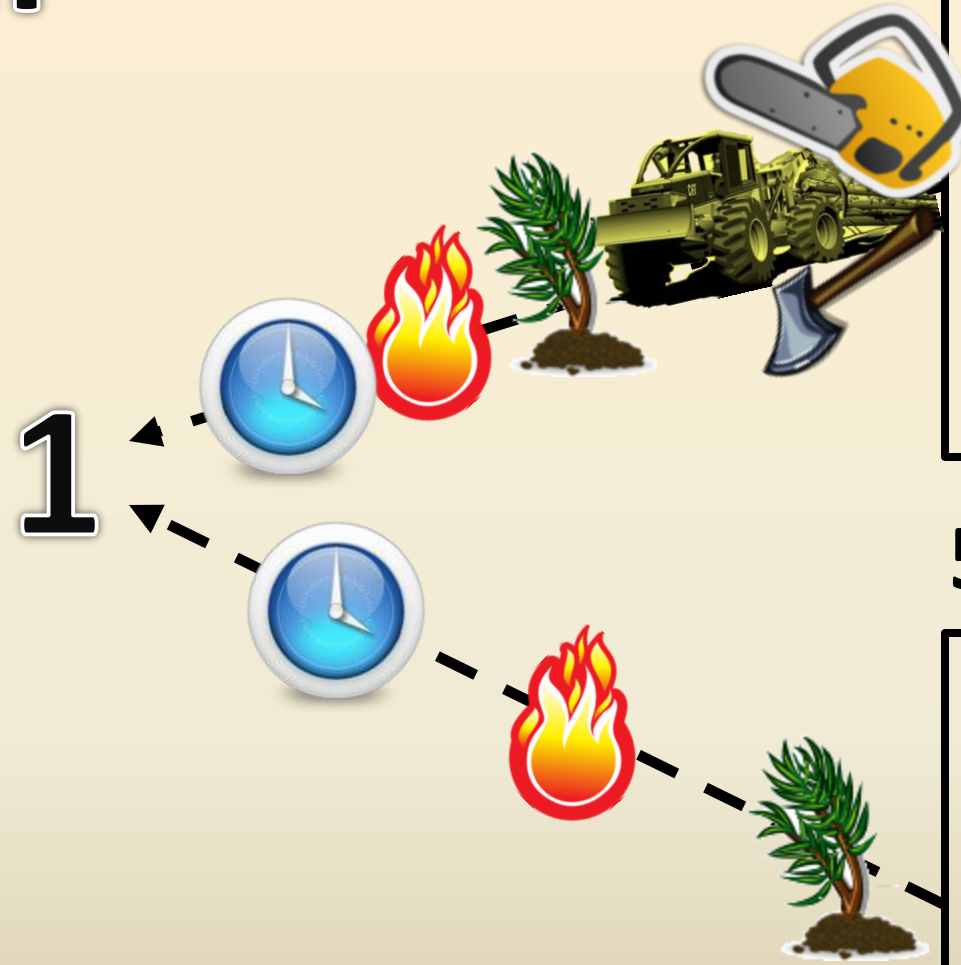
All

T4B



All

4-Plantation



5-(FSG)



All



Juan Ponce de Leon Discovers Florida in 1513





USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATION

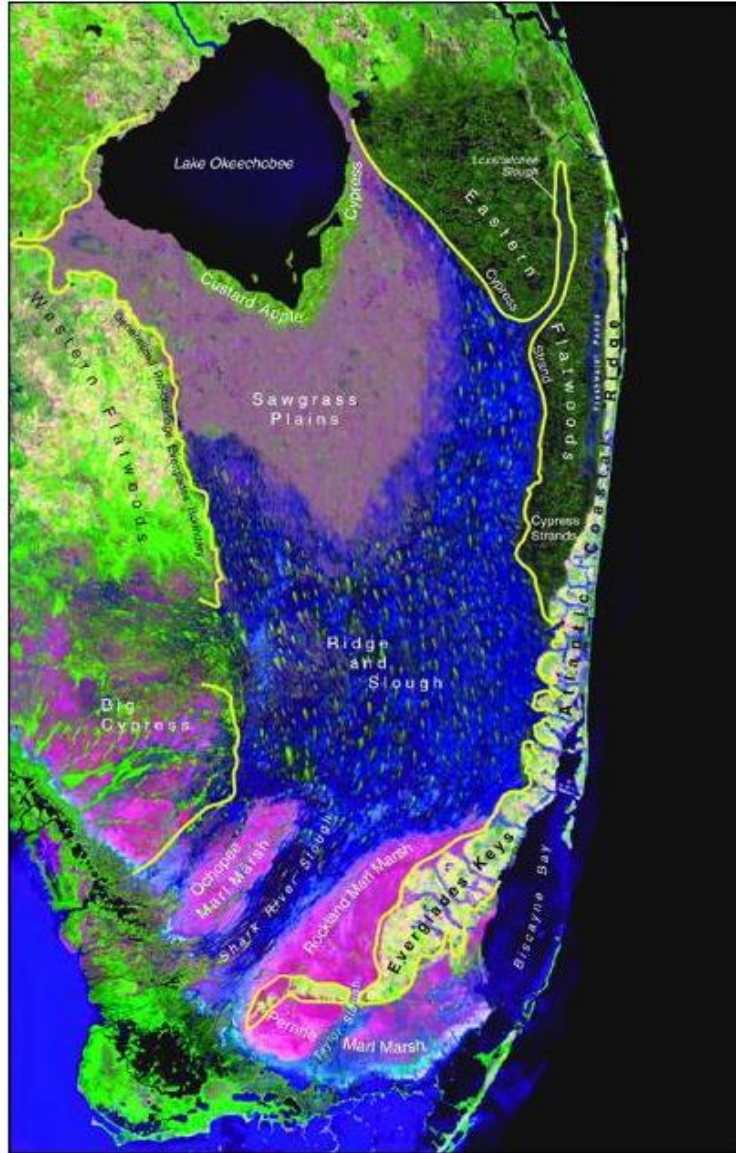
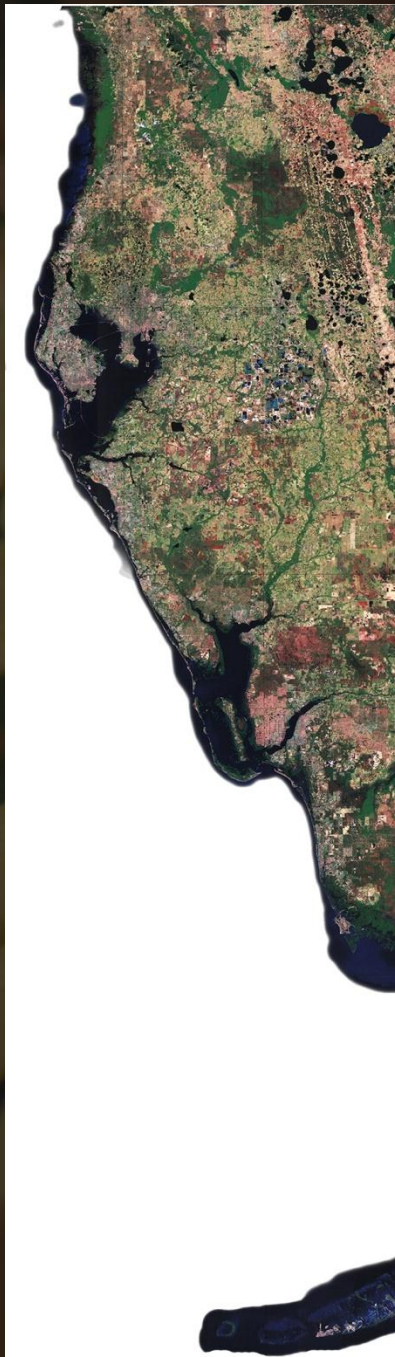
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Our Passion.**



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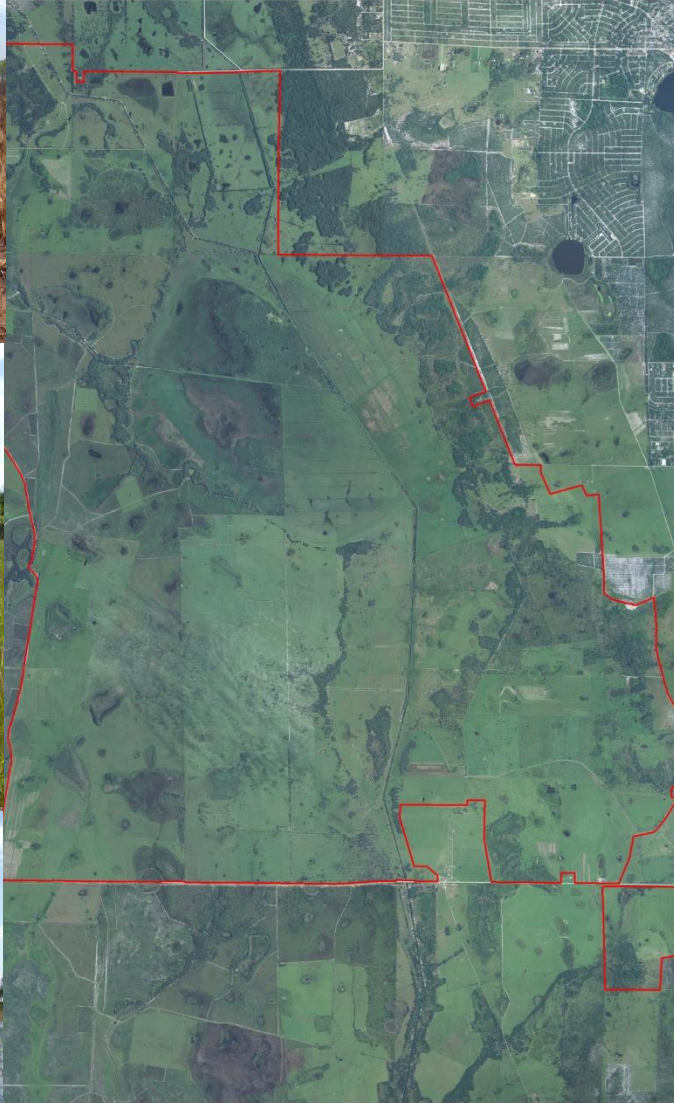




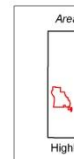
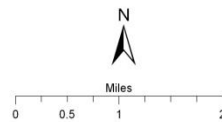
Everglades landscape, pre-drainage system, circa 1850.



Wetlands Reserve Program Fisheating Creek Project Highlands County



Wetlands Reserve Program Boundary



OCT 20 2011 13:00



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