



# Sassafras Signs and Symptoms



June 18, 2015

**Chip Bates**

Forest Health Coordinator

Georgia Forestry  
Commission

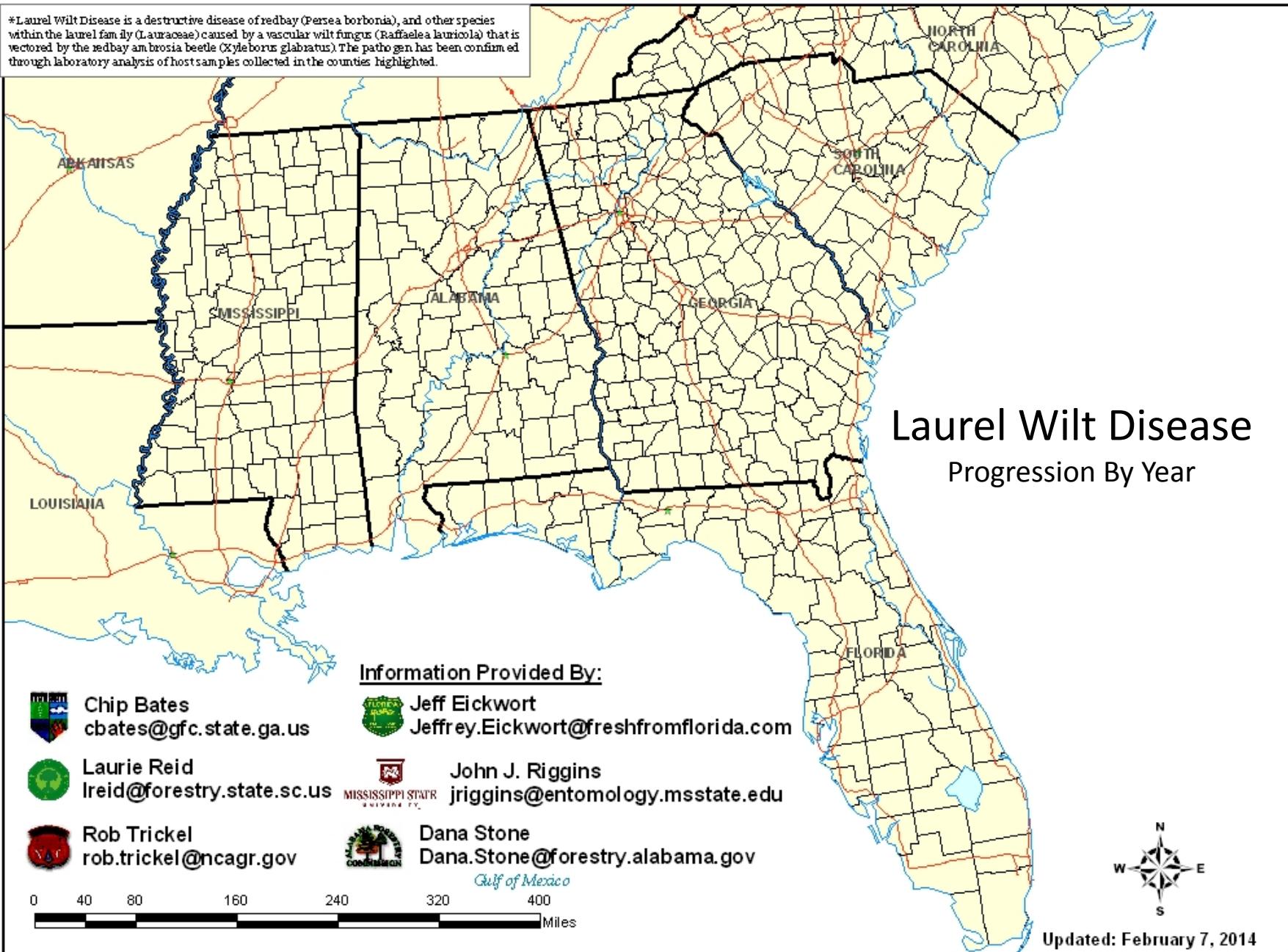
18899 Highway 301 N.  
Statesboro, GA 30461

GATREES.org

C) 912-536-7544  
O) 912-681-0490  
[cbates@gfc.state.ga.us](mailto:cbates@gfc.state.ga.us)

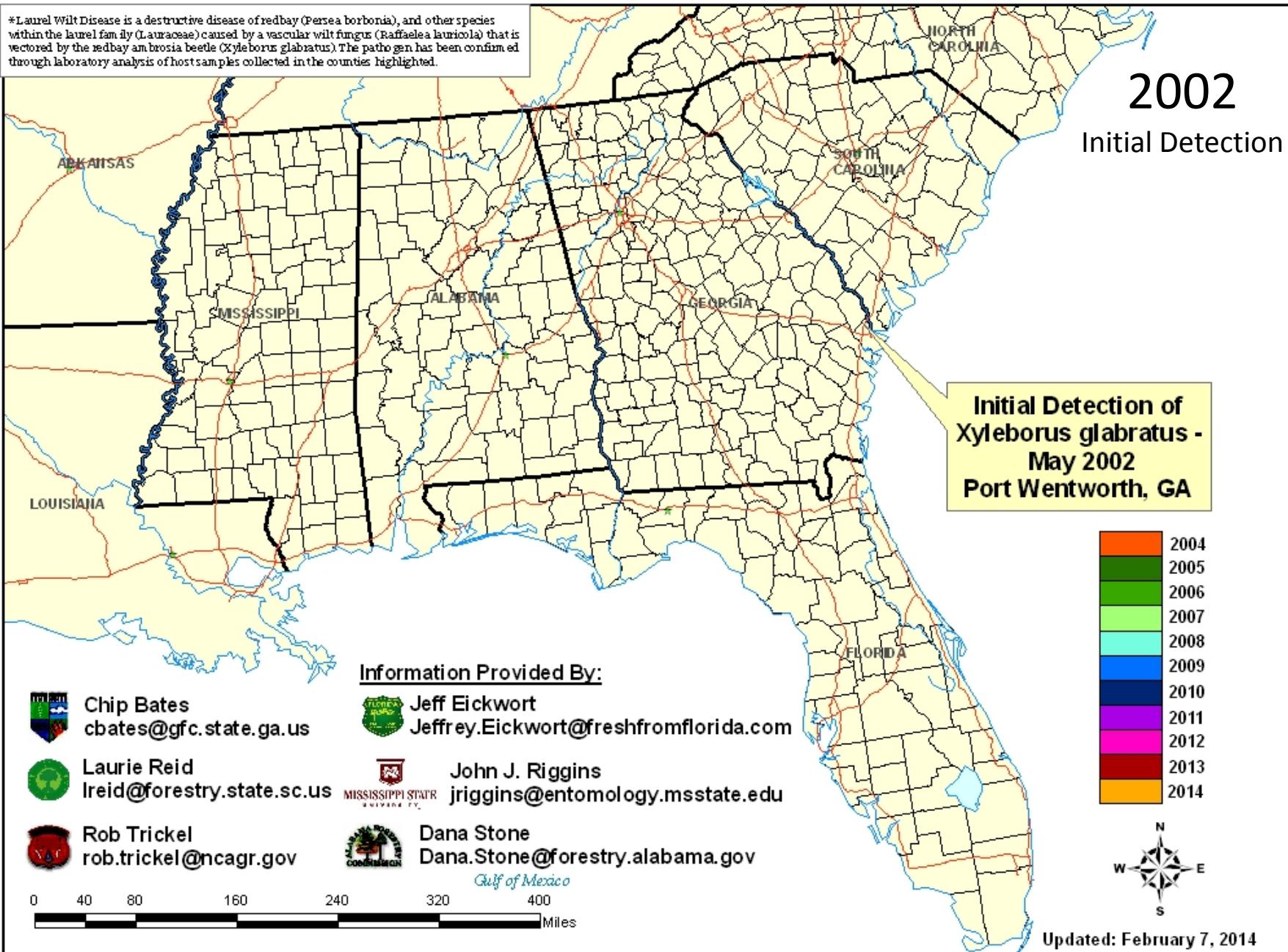
## Distribution of Counties with Laurel Wilt Disease\* by year of Initial Detection

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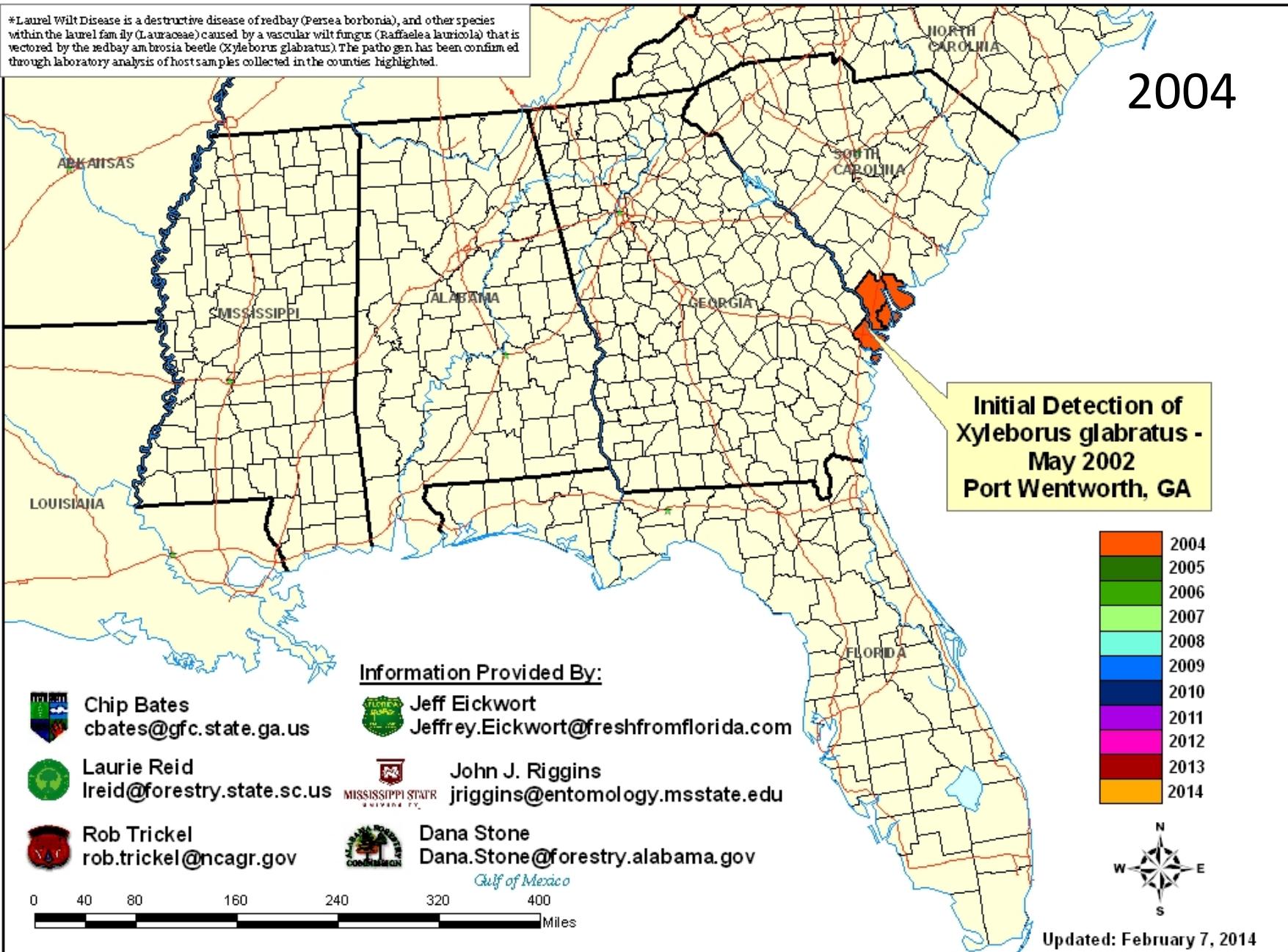
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# Sassafras mortality

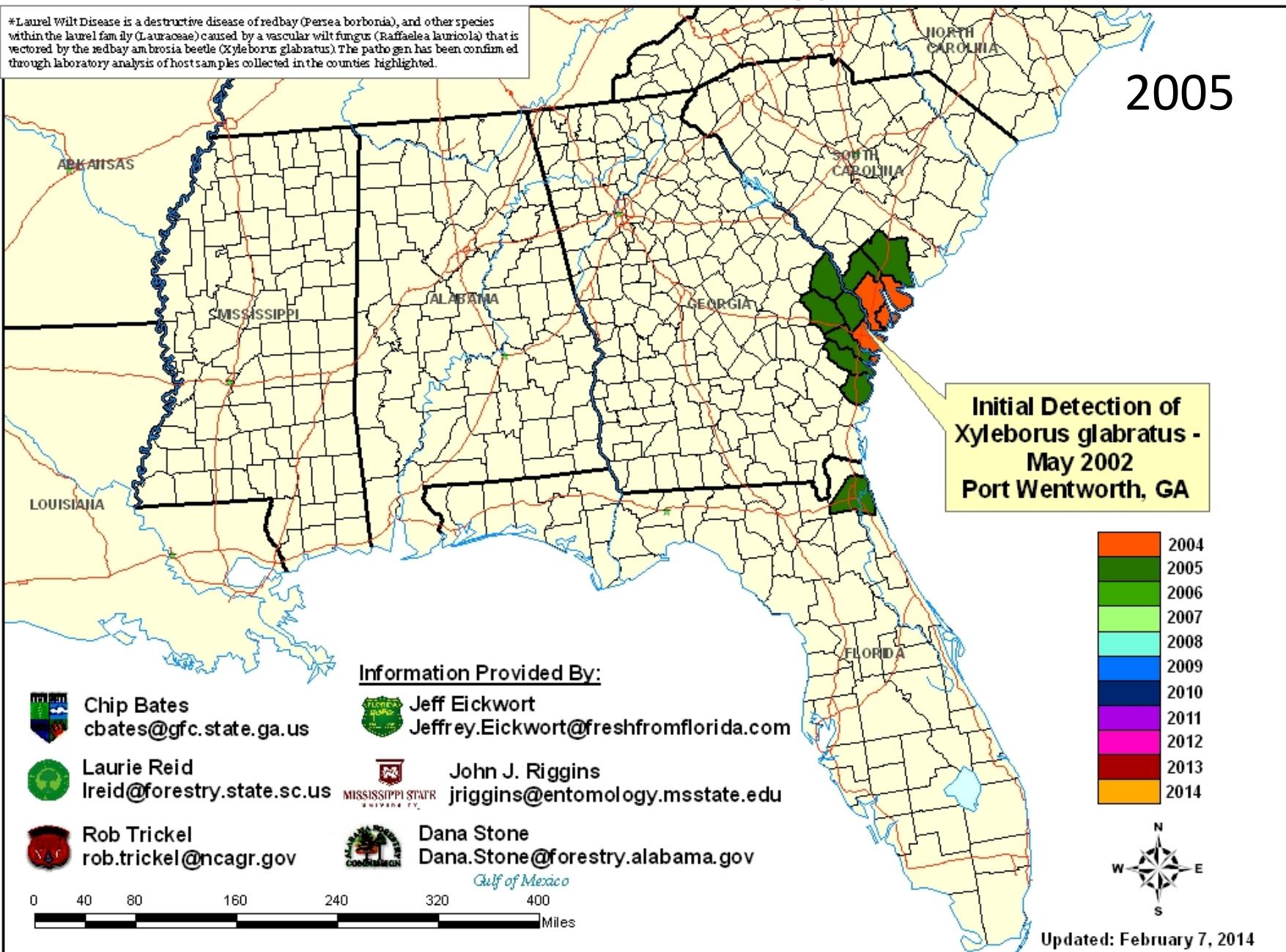
2005

- Research Underway – USFS leading Dr. Stephen Fraedrich (Pathologist)
- Sassafras mortality detected in Georgia
- Sassafras in the same family (*Lauraceae*) as red bay
- Other species??????



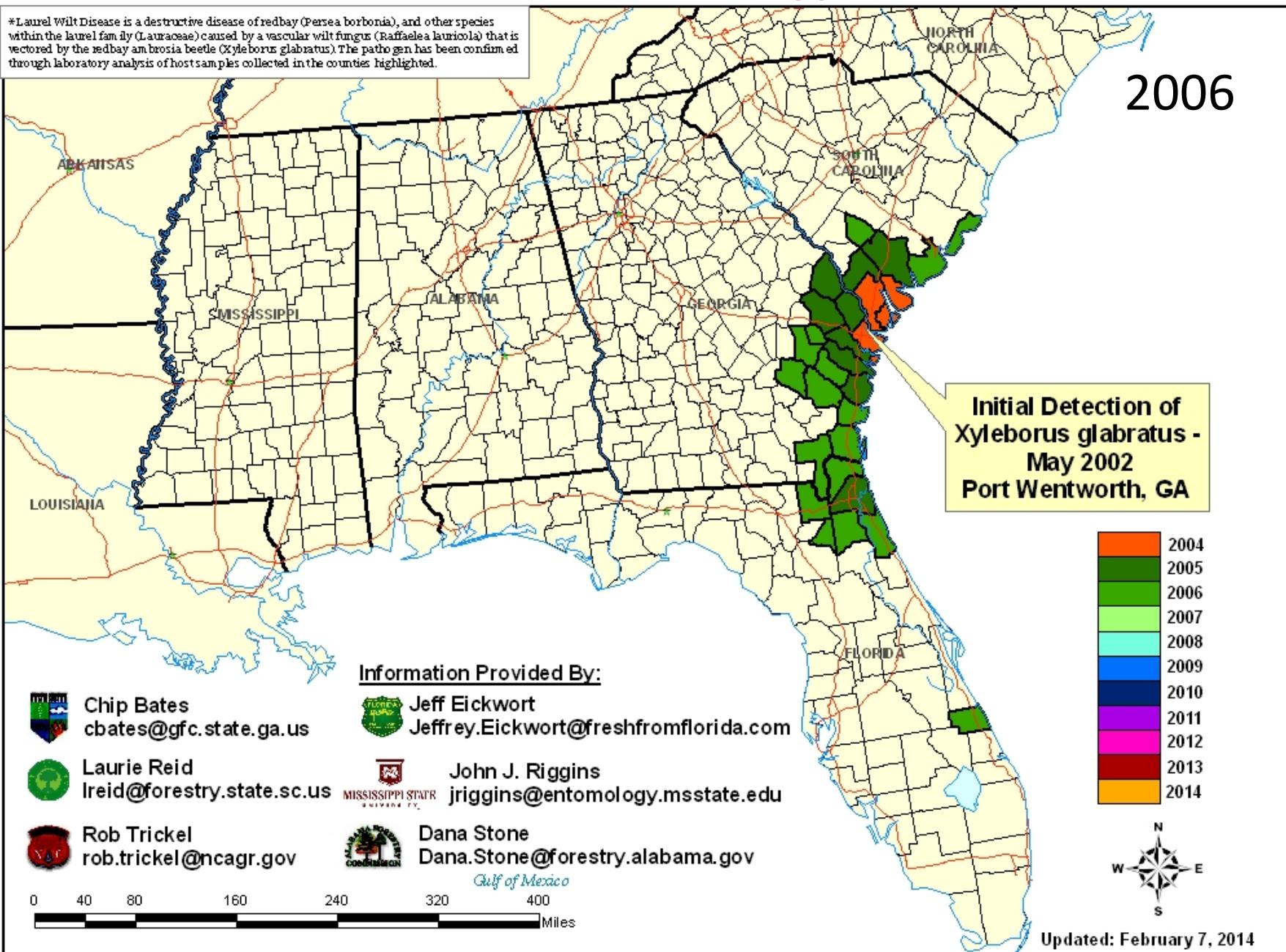
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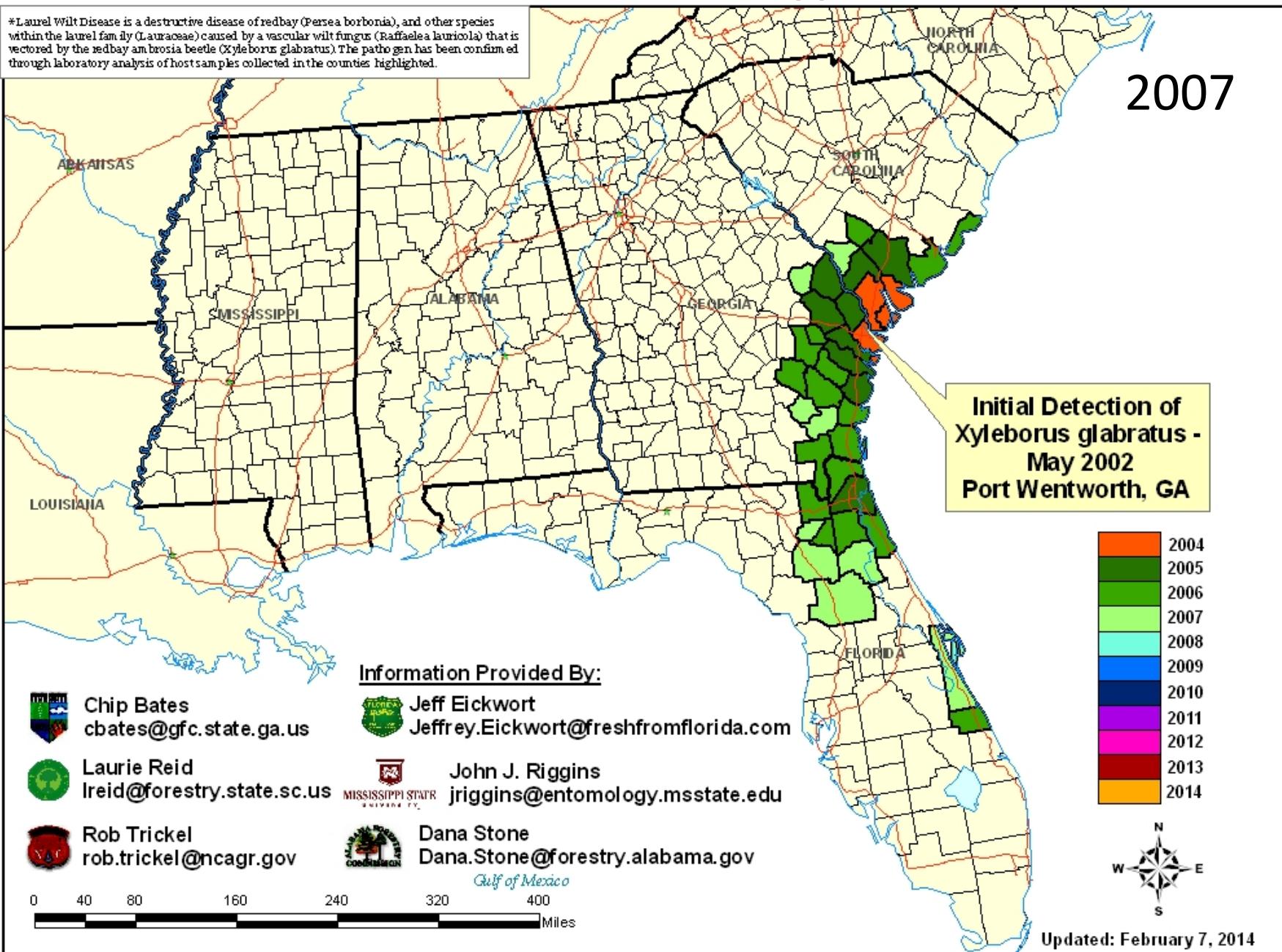
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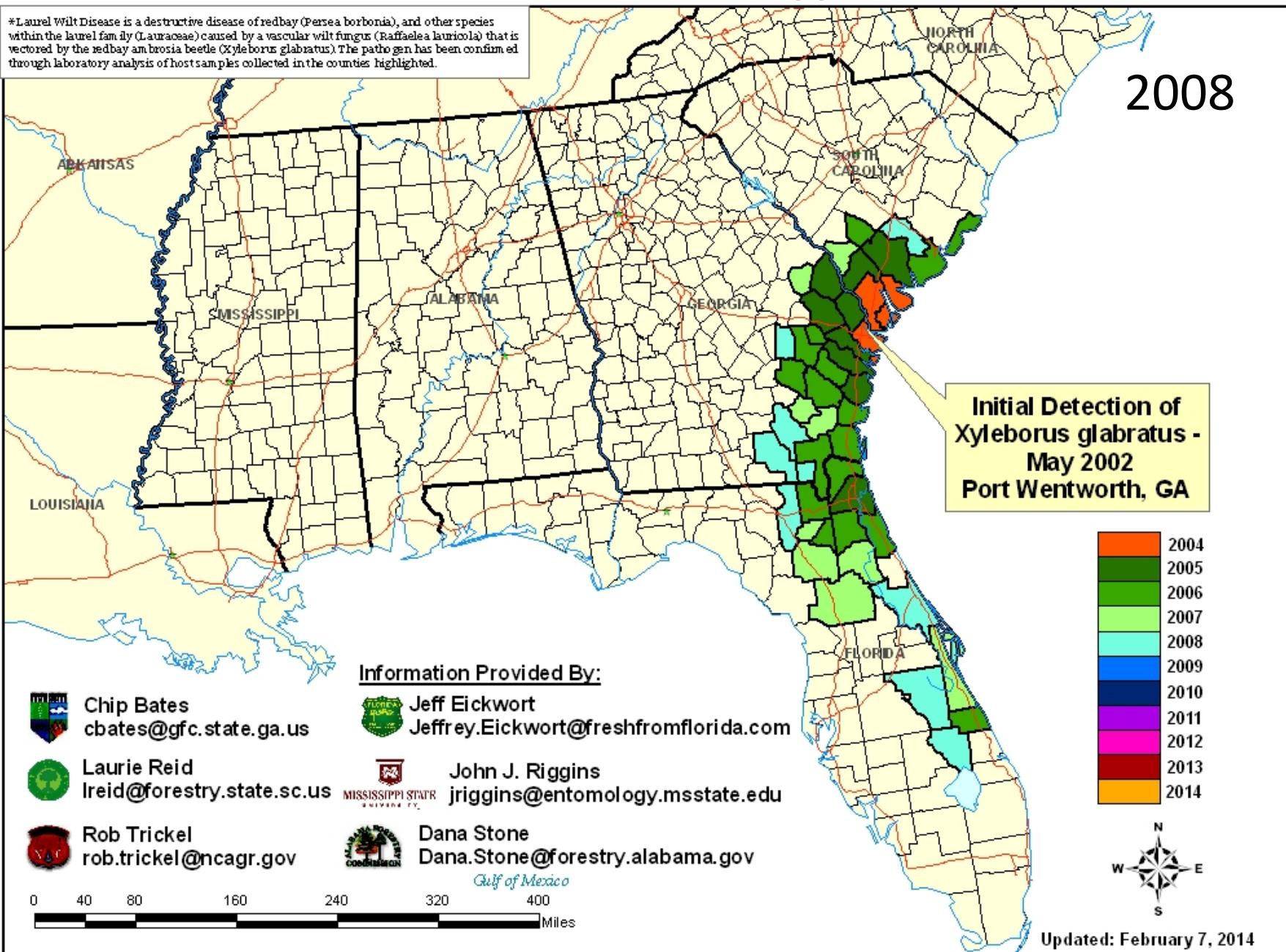
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2007



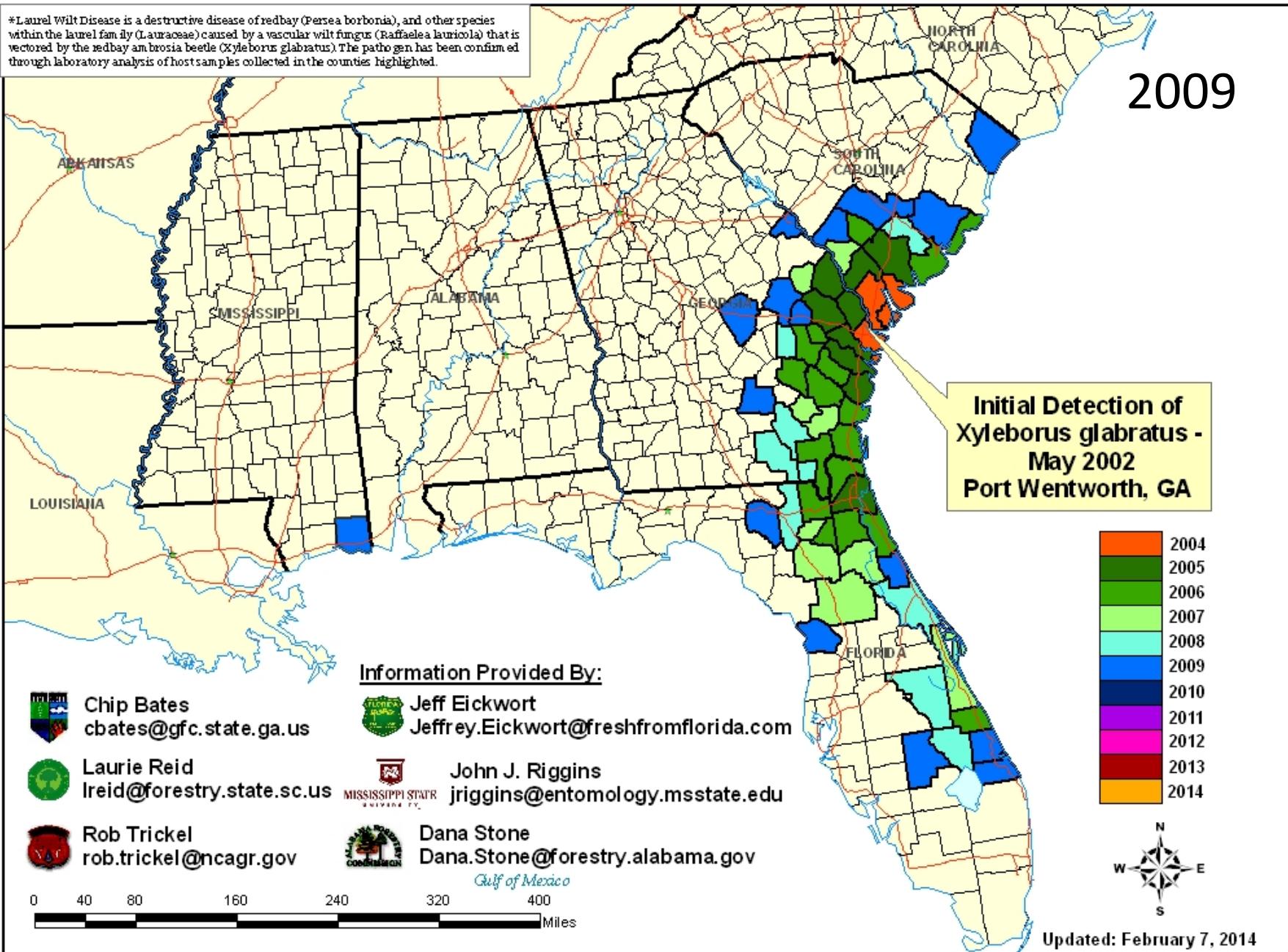
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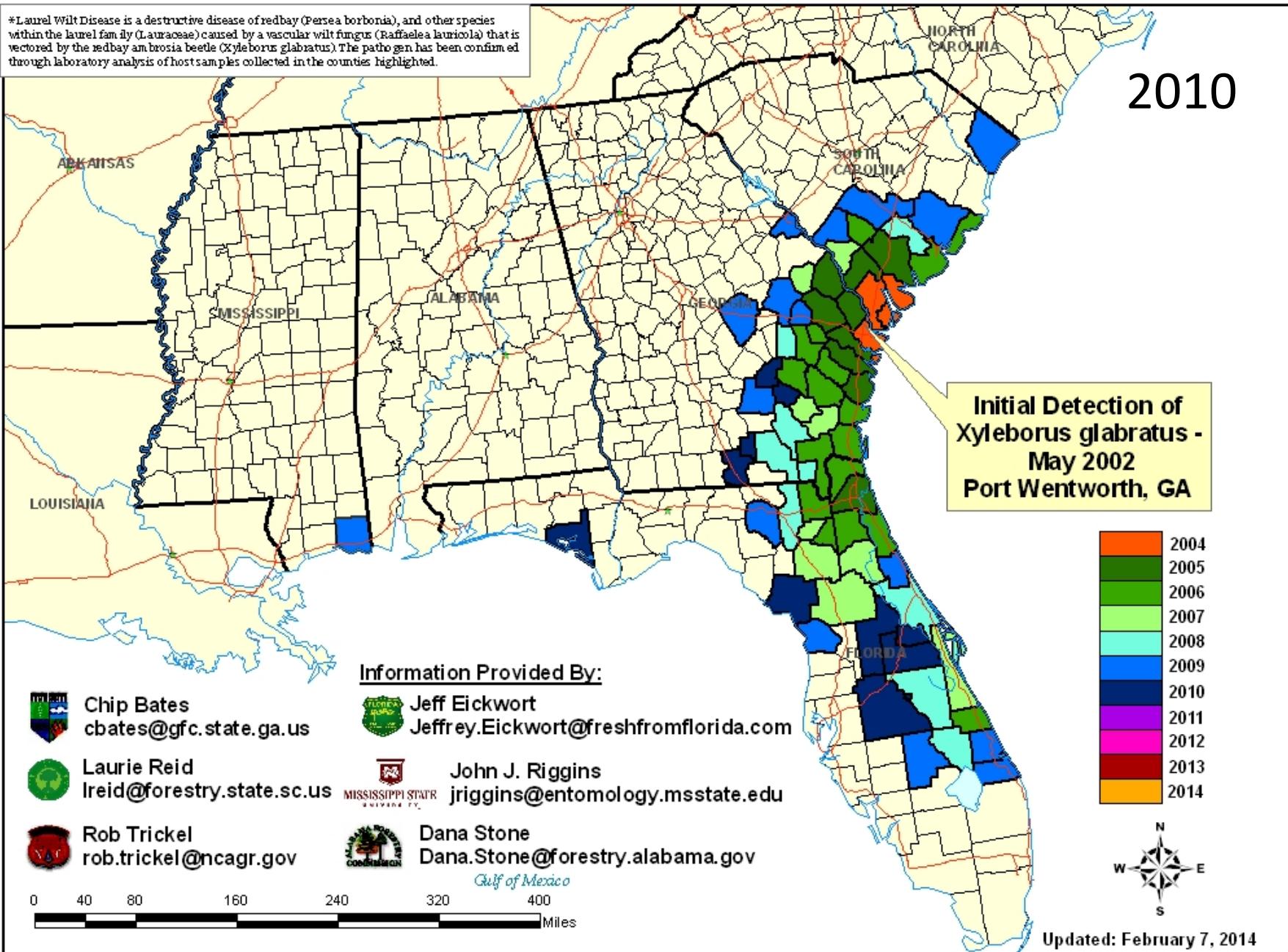
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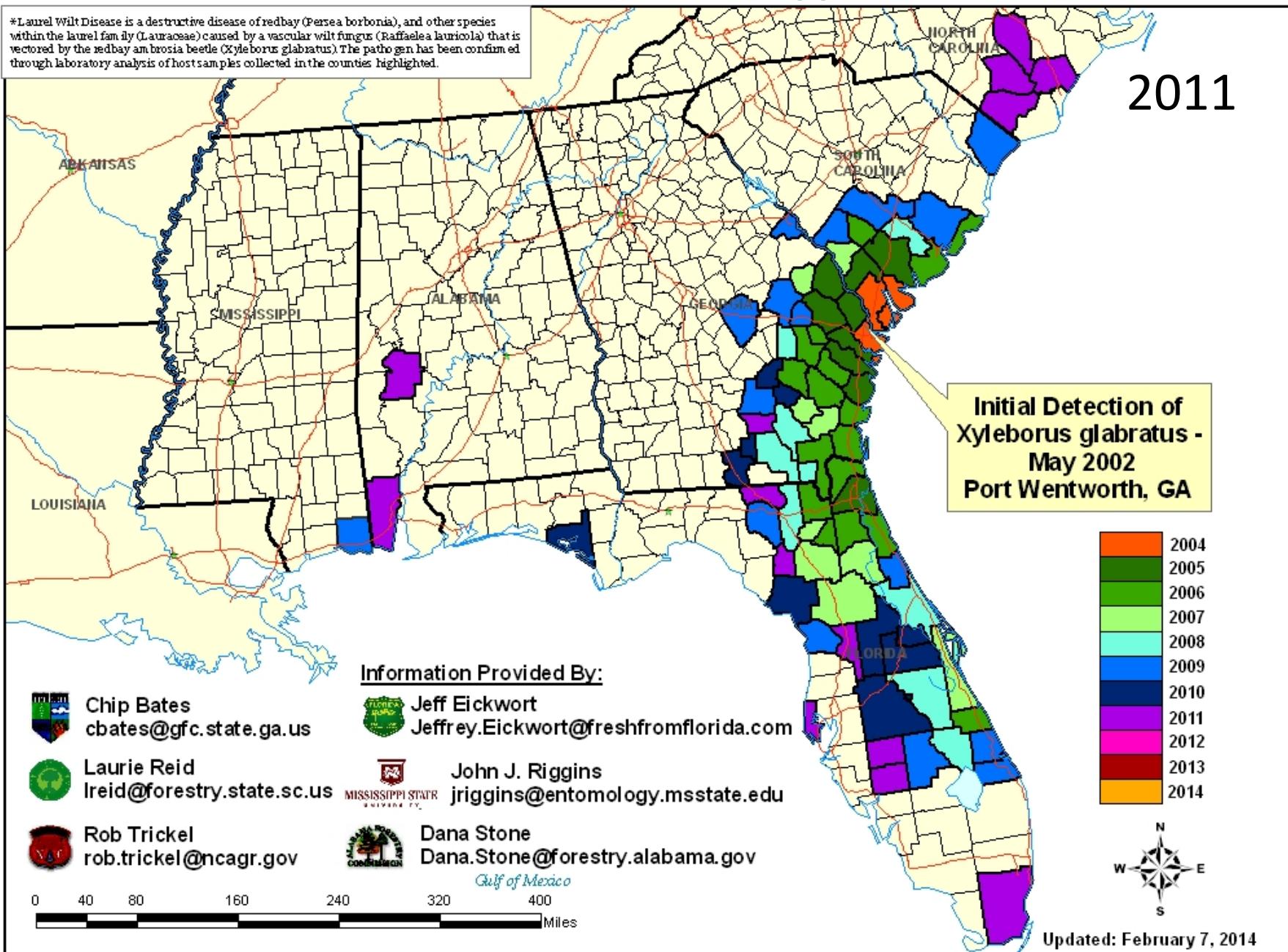
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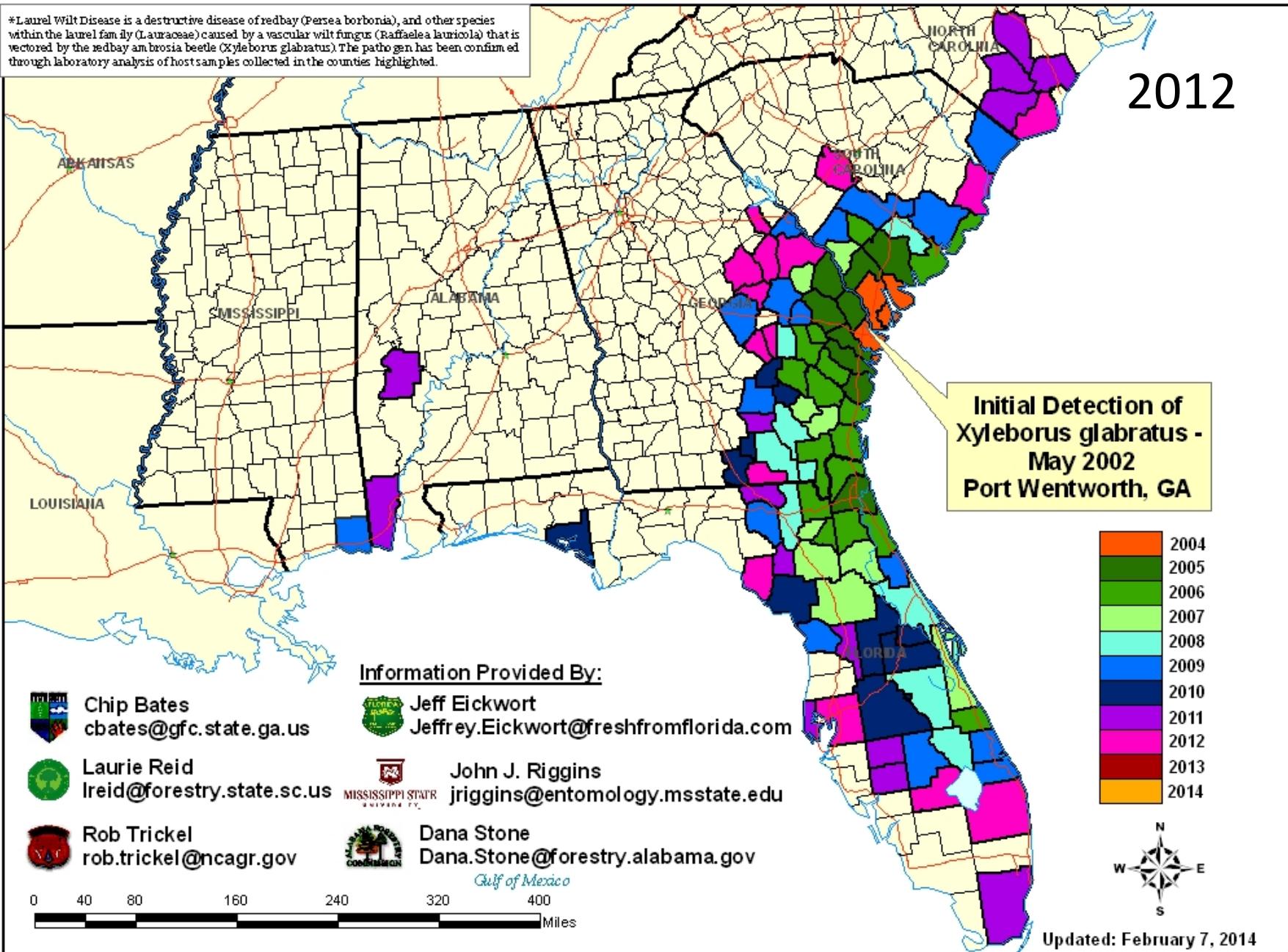


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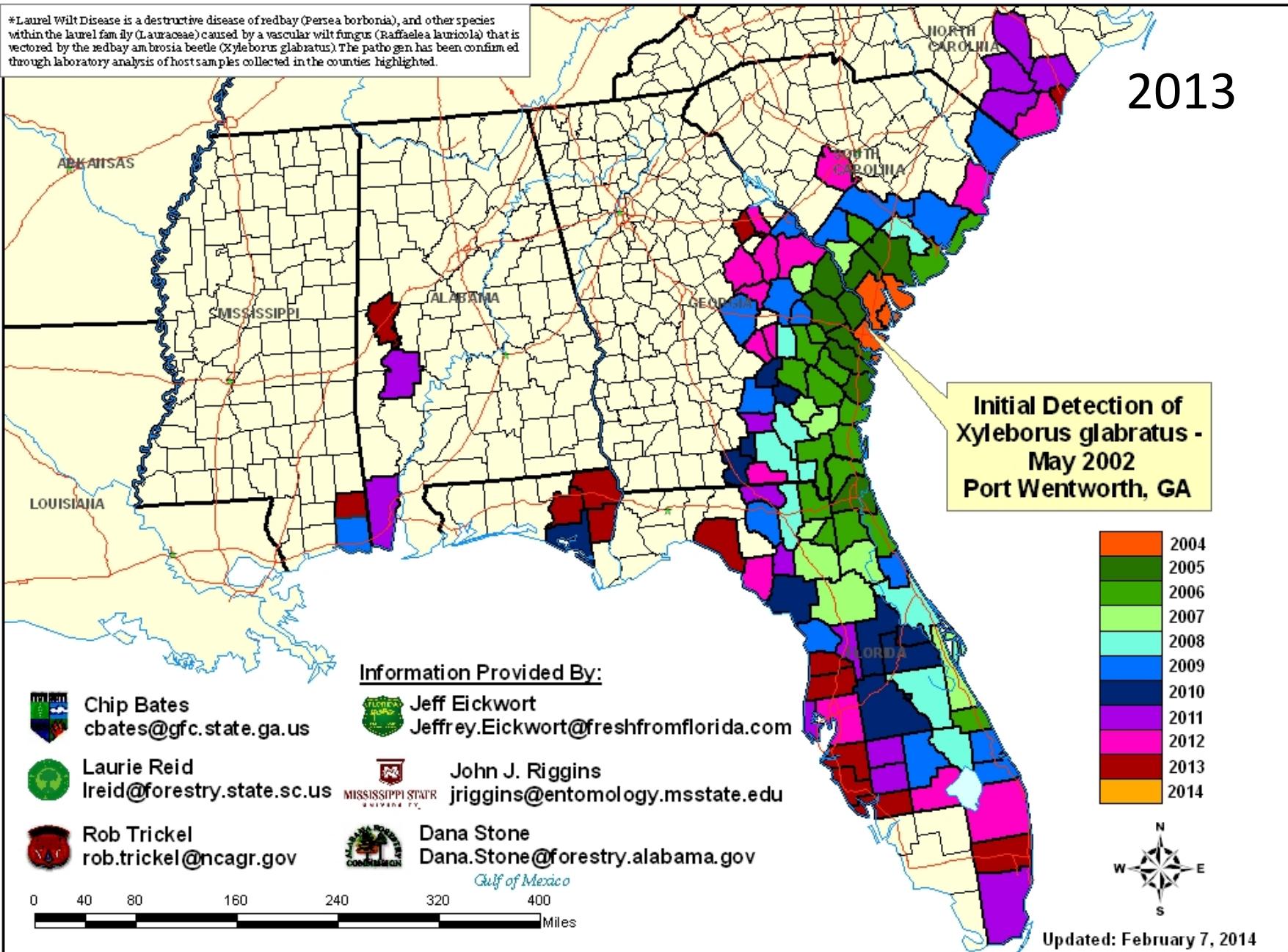
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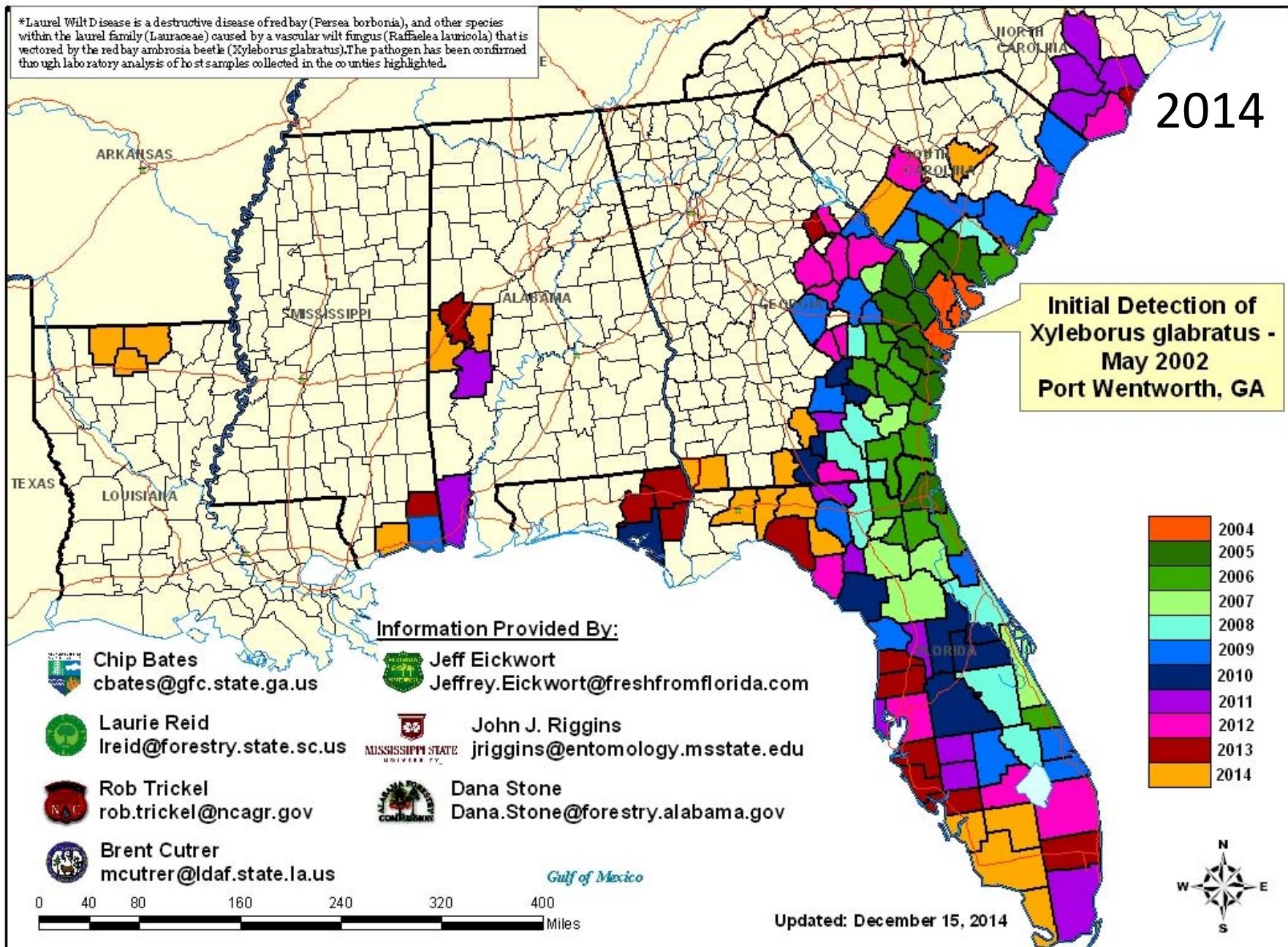


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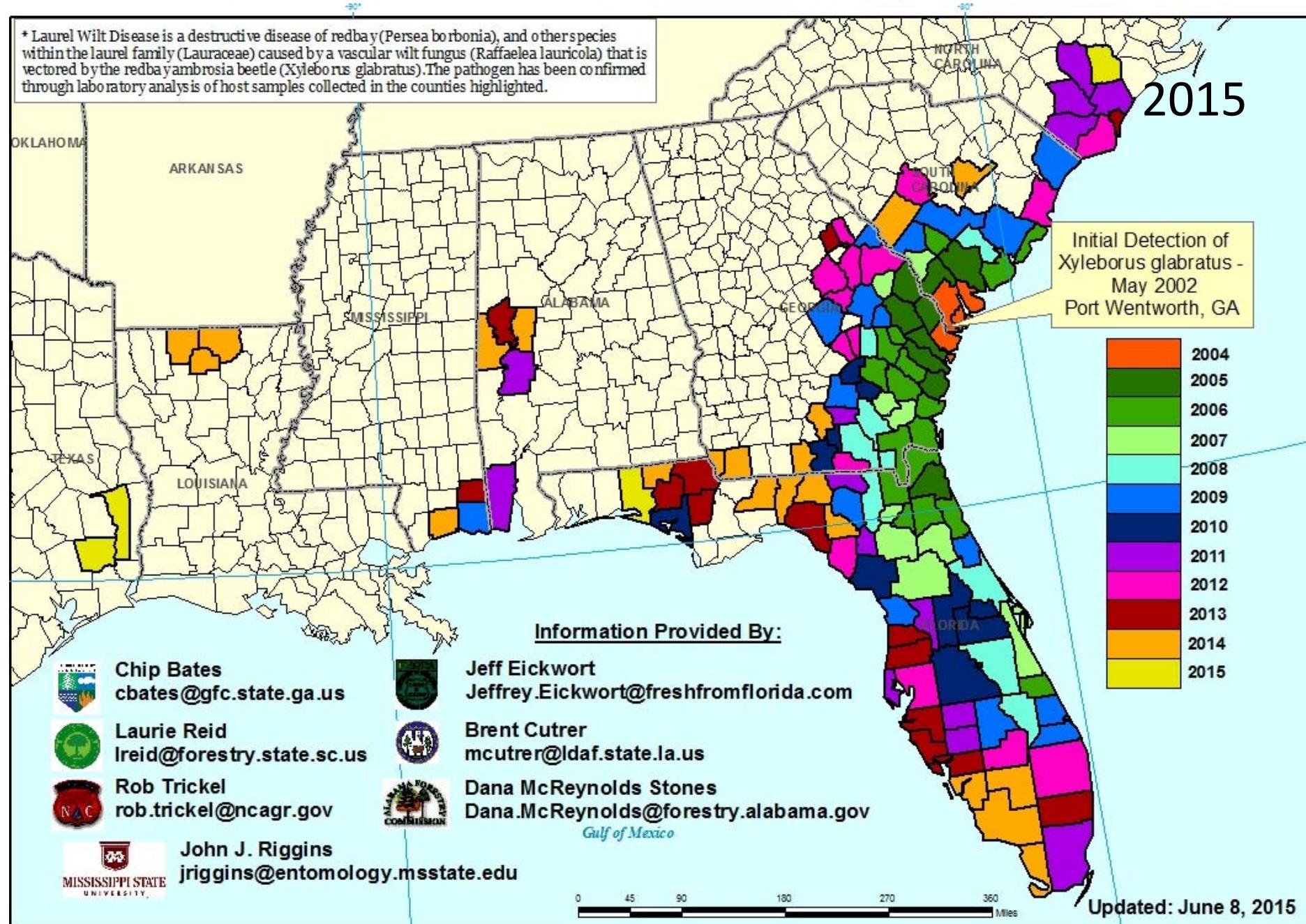


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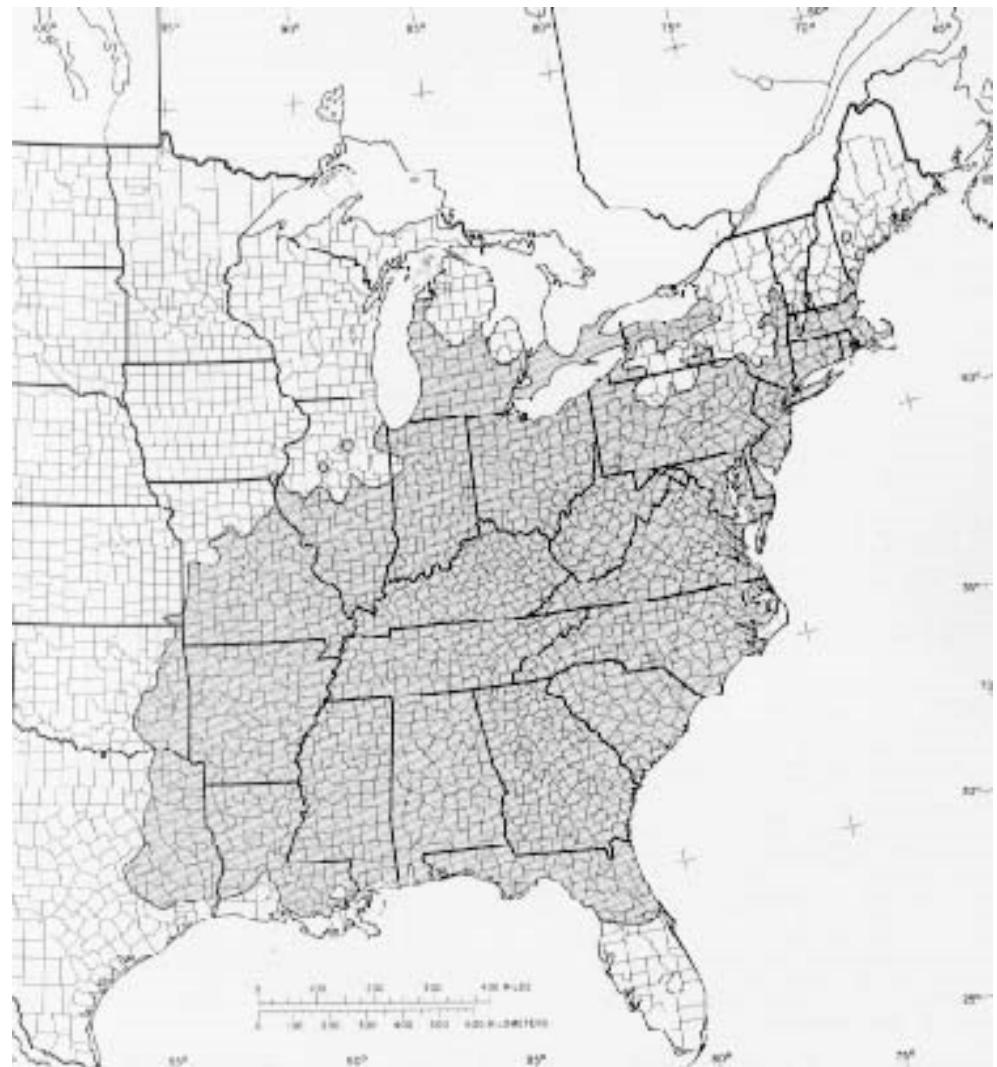


# Sassafras - *Sassafras albidum*



Trimorphic leaf shapes

Range extends throughout  
most of the eastern U.S.





# Sassafras Signs and Symptoms

So... What do  
you see in the  
woods?

Leaf Color and Texture





# Sassafras Signs and Symptoms





# Sassafras Signs and Symptoms





# Sassafras Signs and Symptoms





# Sassafras Signs and Symptoms

July





# Sassafras Signs and Symptoms

## Disease Movement



# Sassafras Signs and Symptoms





# Sassafras Signs and Symptoms



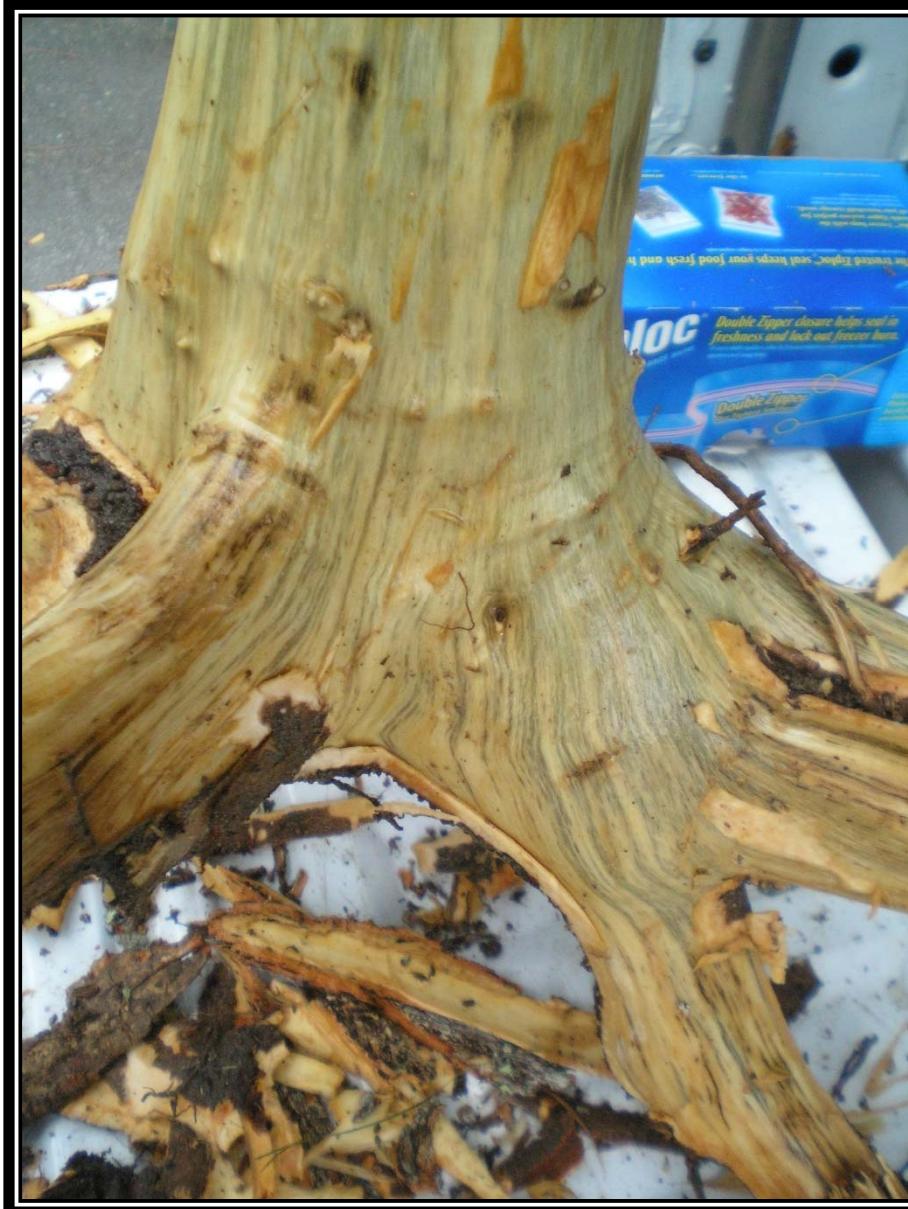


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# Sassafras Signs and Symptoms

## Plant Defense



# Sassafras Signs and Symptoms





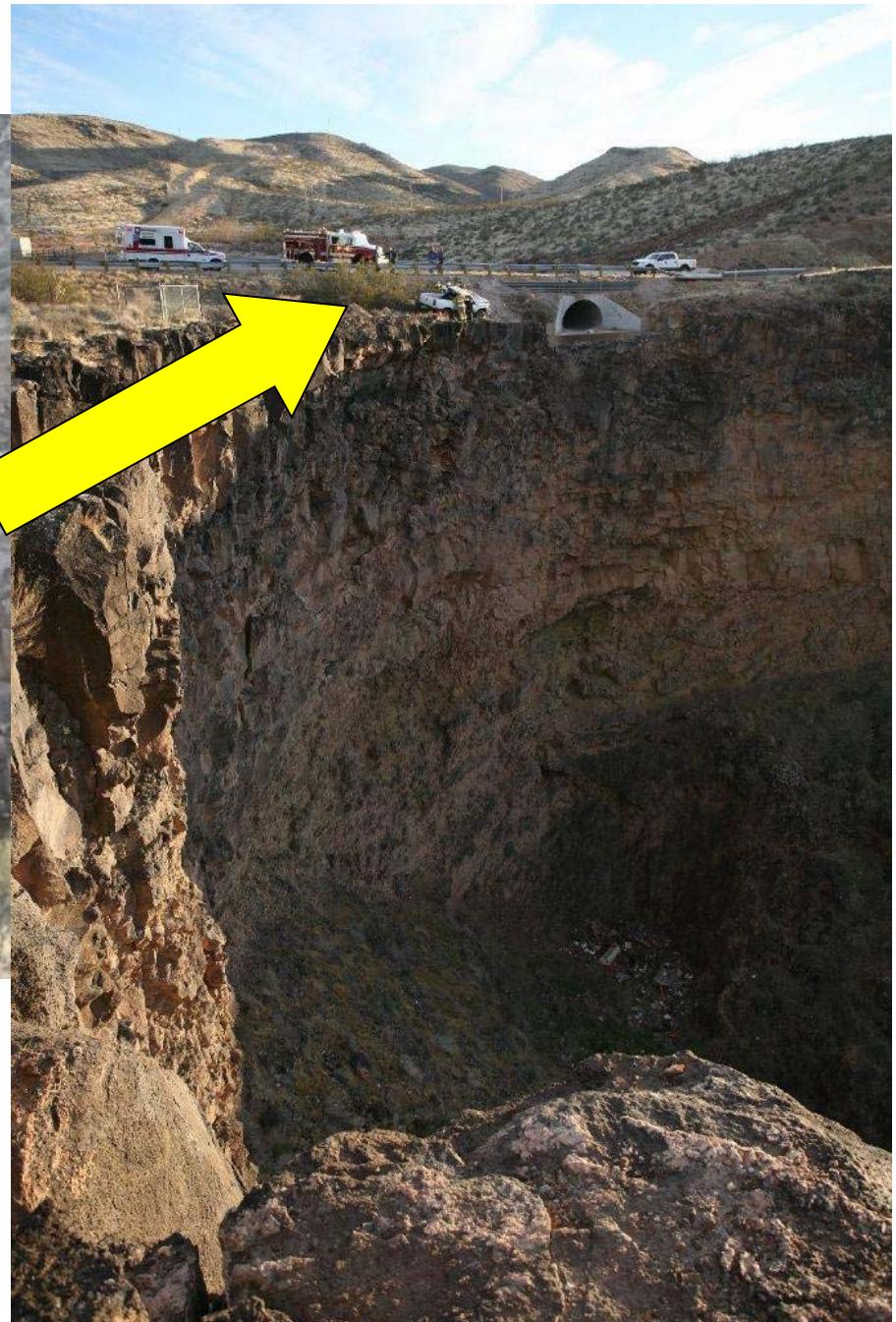
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# The Low Hanging Fruit







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# QUESTIONS ?

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18899 Highway 301 North  
Statesboro, GA 30461

**FOREST HEALTH**  
P R O G R A M



GATREES.org

Office: 912-681-0490

E-mail: cbates@gfc.state.ga.us