

Southeast Regional Carbon Sequestration Partnership

Presented by:

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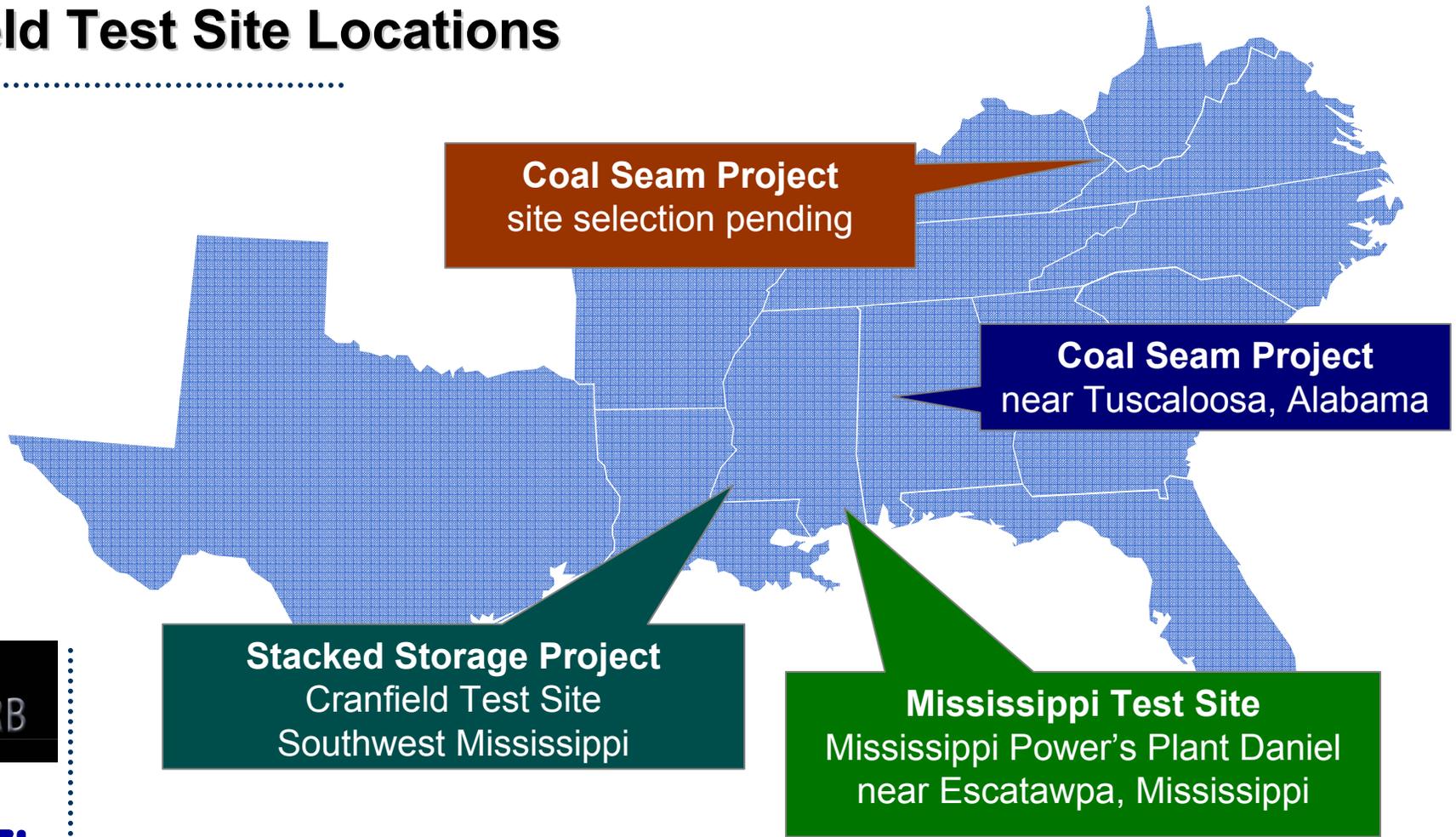


SECARB Phase II Goals

- Further characterize the potential carbon sequestration sinks in the Southeast
- Conduct three field verification studies in four locations of the most promising geologic formations in the region
- Advance the state of the art in monitoring, measurement and verification techniques and instrumentation
- Develop sequestration technologies and characterize geologic sinks for future readiness

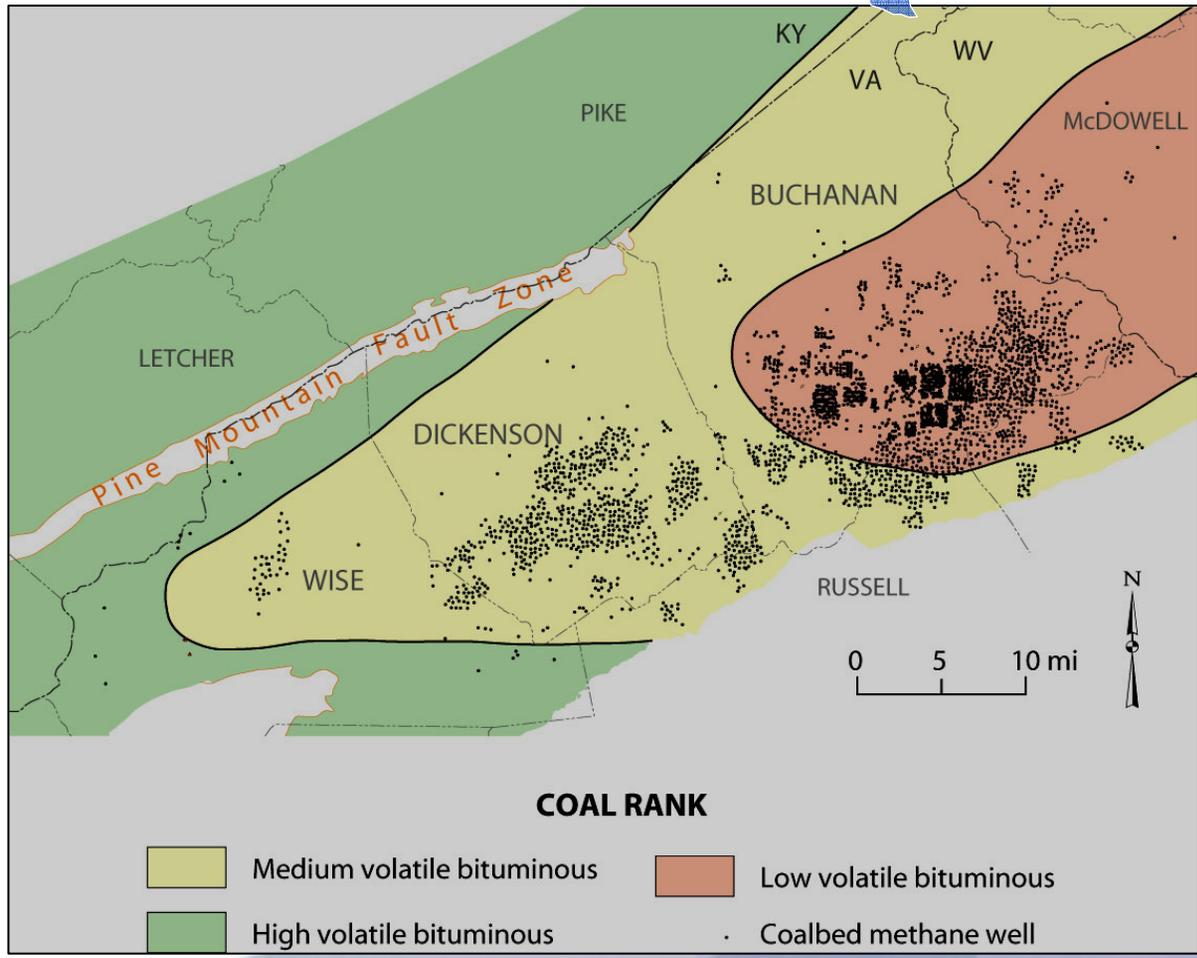
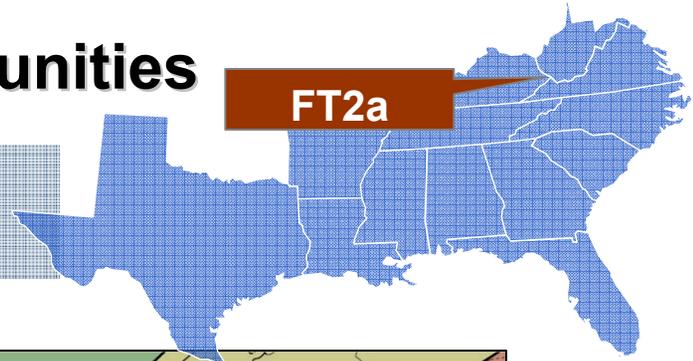


SECARB Phase II Geographic Region & Field Test Site Locations



Coal Seam Sequestration Opportunities

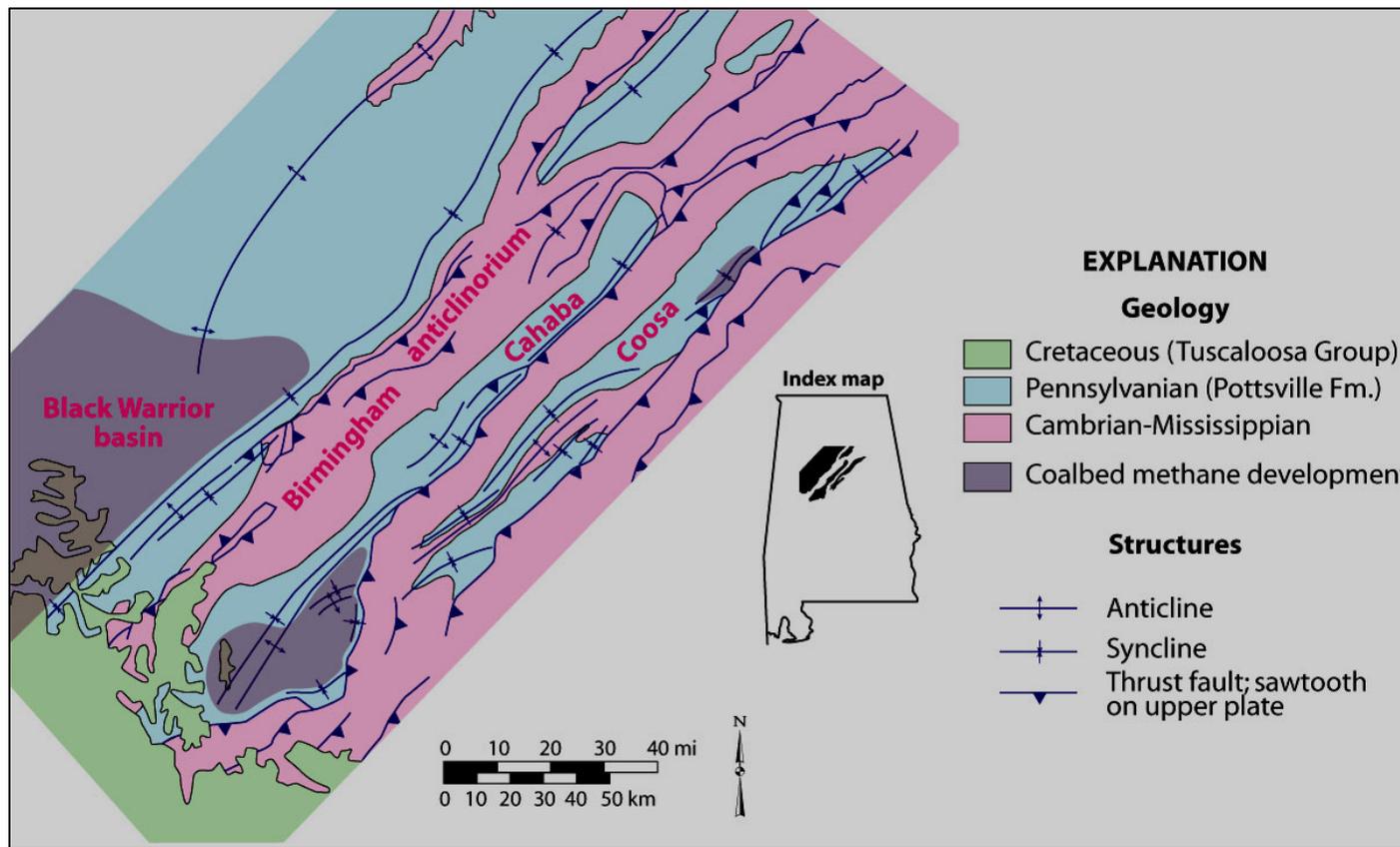
Field Test 2.0: Kentucky, Virginia and West Virginia



Coal Seam Sequestration Opportunities

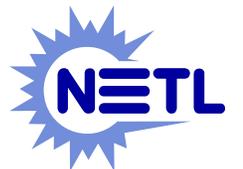
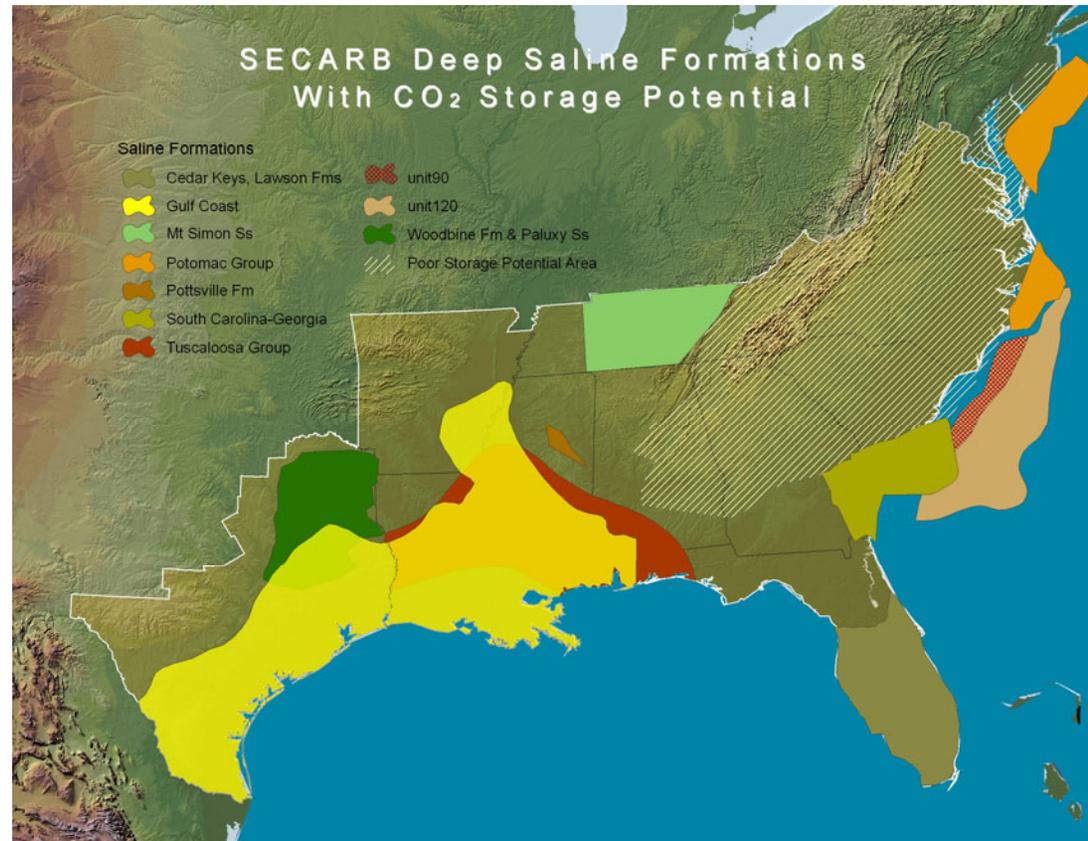
Field Test 2.0: Black Warrior Basin, Alabama

FT2b

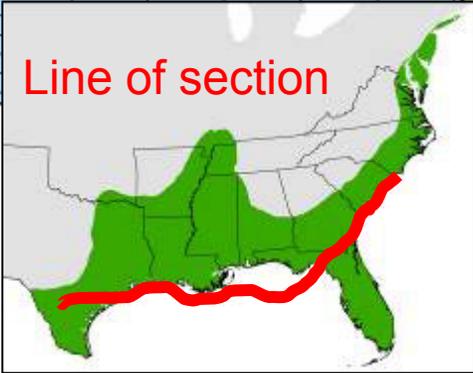
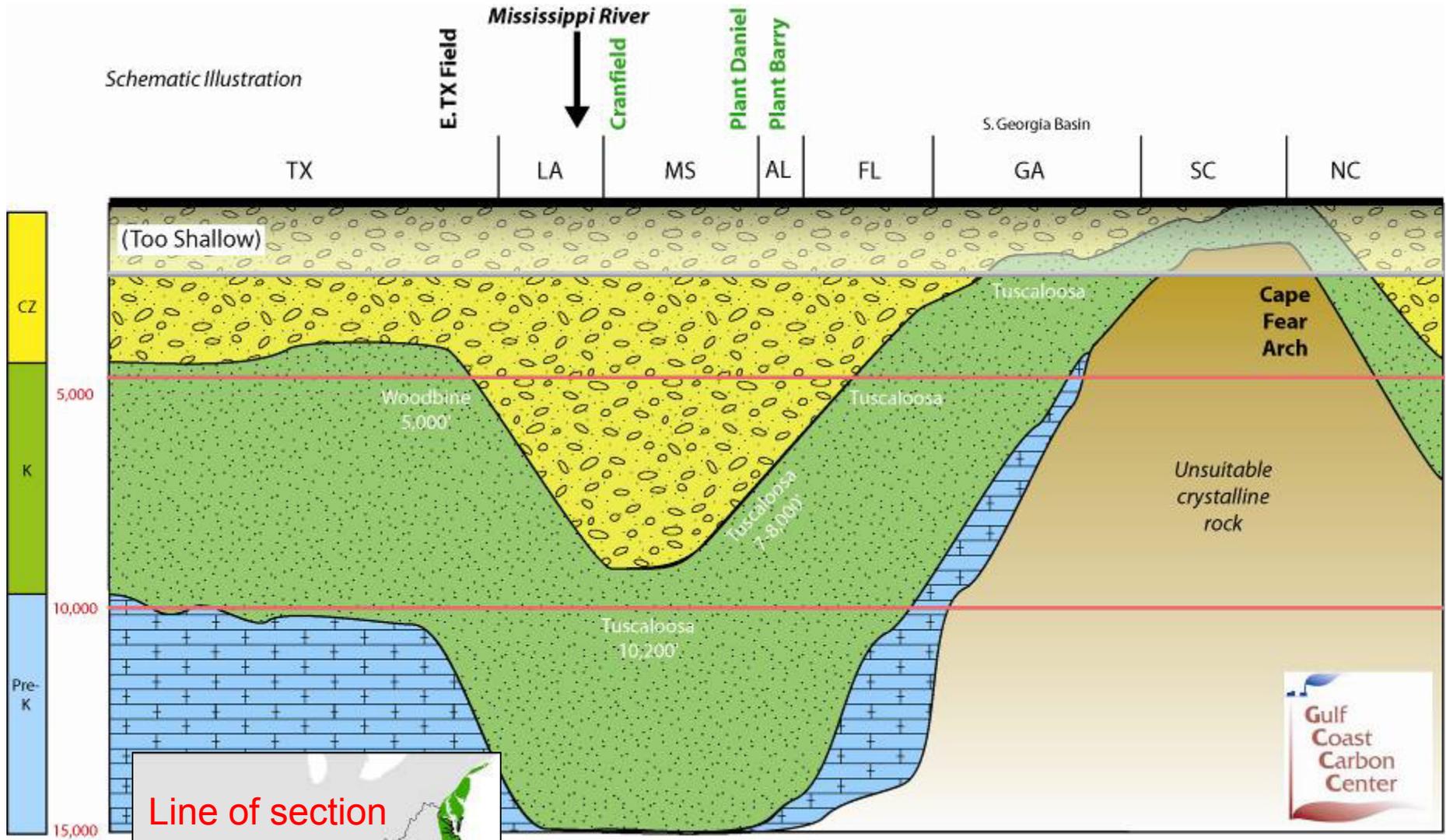


Regional Opportunities for Deep Saline Storage

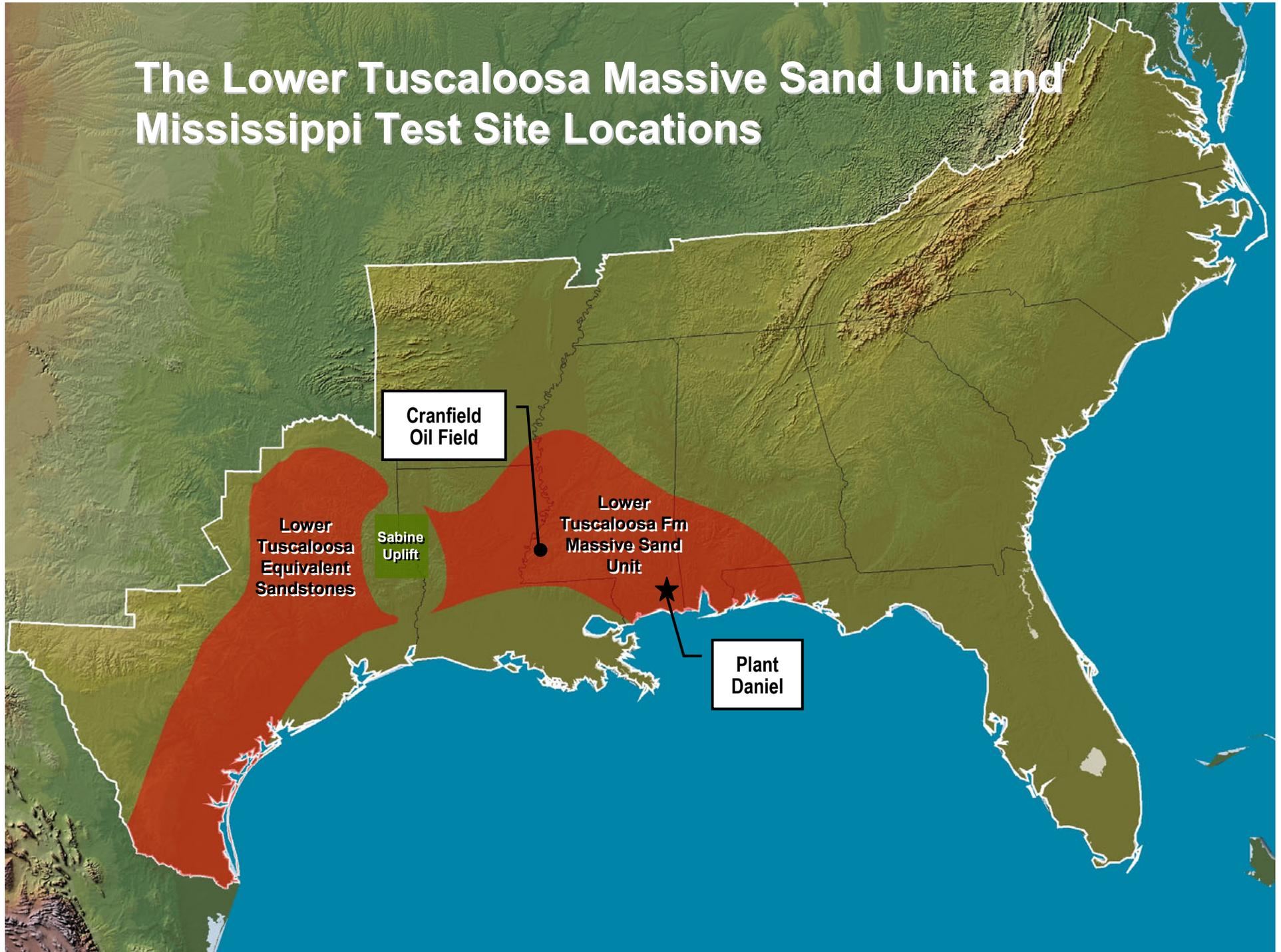
- Gulf wedge is the most significant sequestration target in the Southeast
- Other sequestration targets in the Southeast lack seals and storage volume



Schematic Illustration



The Lower Tuscaloosa Massive Sand Unit and Mississippi Test Site Locations



Phased Outcomes

SECARB's Research Approach

- *"REGIONAL CHARACTERIZATION"* – gains a better understanding of the most promising geologic target in the SECARB region.
- *"EARLY TEST"* – consists of a large volume, high pressure injection that benefits from access to existing CO₂ infrastructure and favorable CO₂ cost.
- *"ANTHROPOGENIC TEST"* – evaluates geologic sinks in close proximity to major CO₂ sources.



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