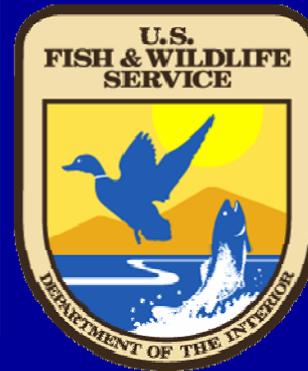


Marvel Slab Dam Removal Cahaba River, Alabama

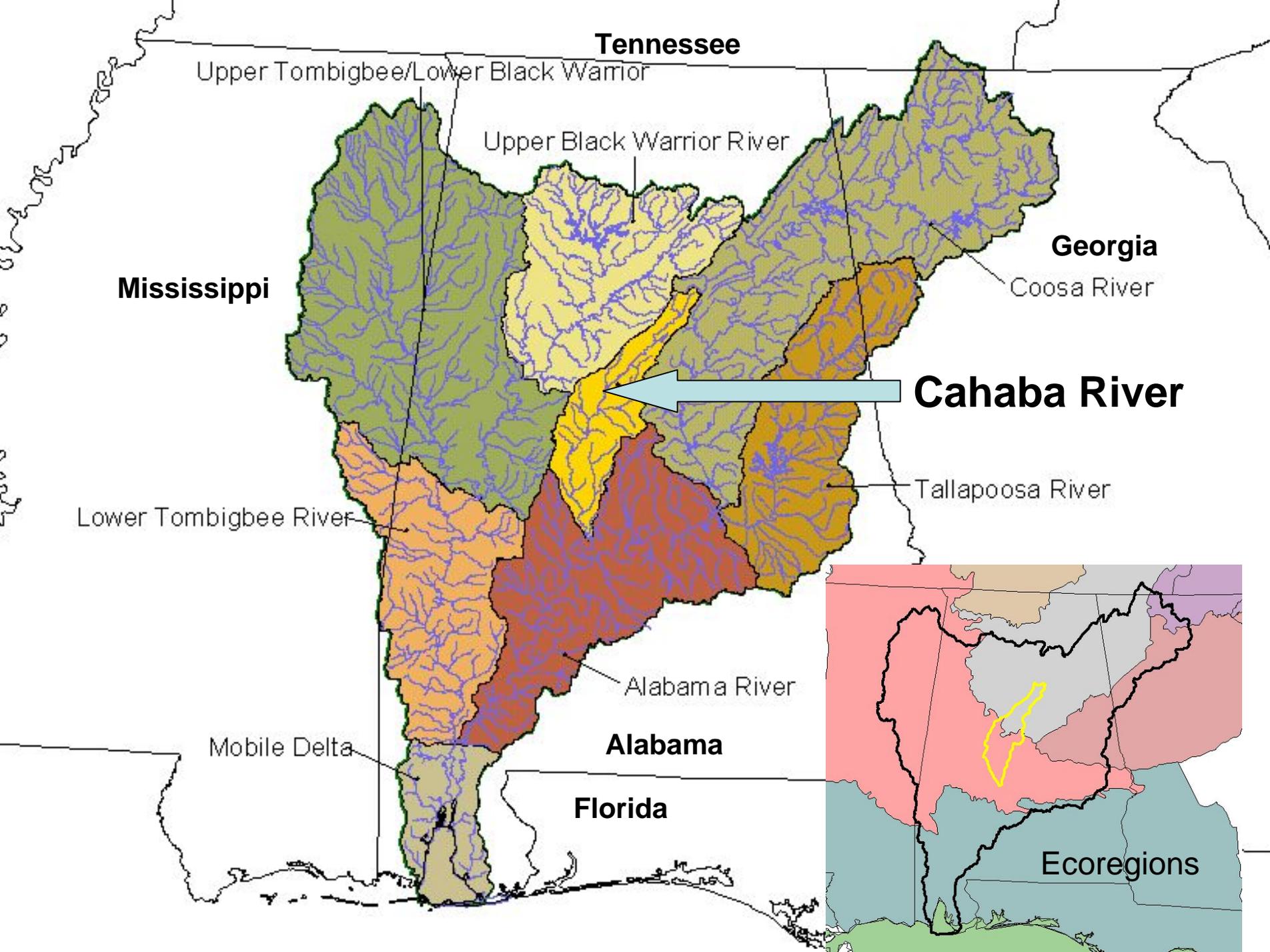
Paul Freeman, TNC, and Beverley Stout, USACE

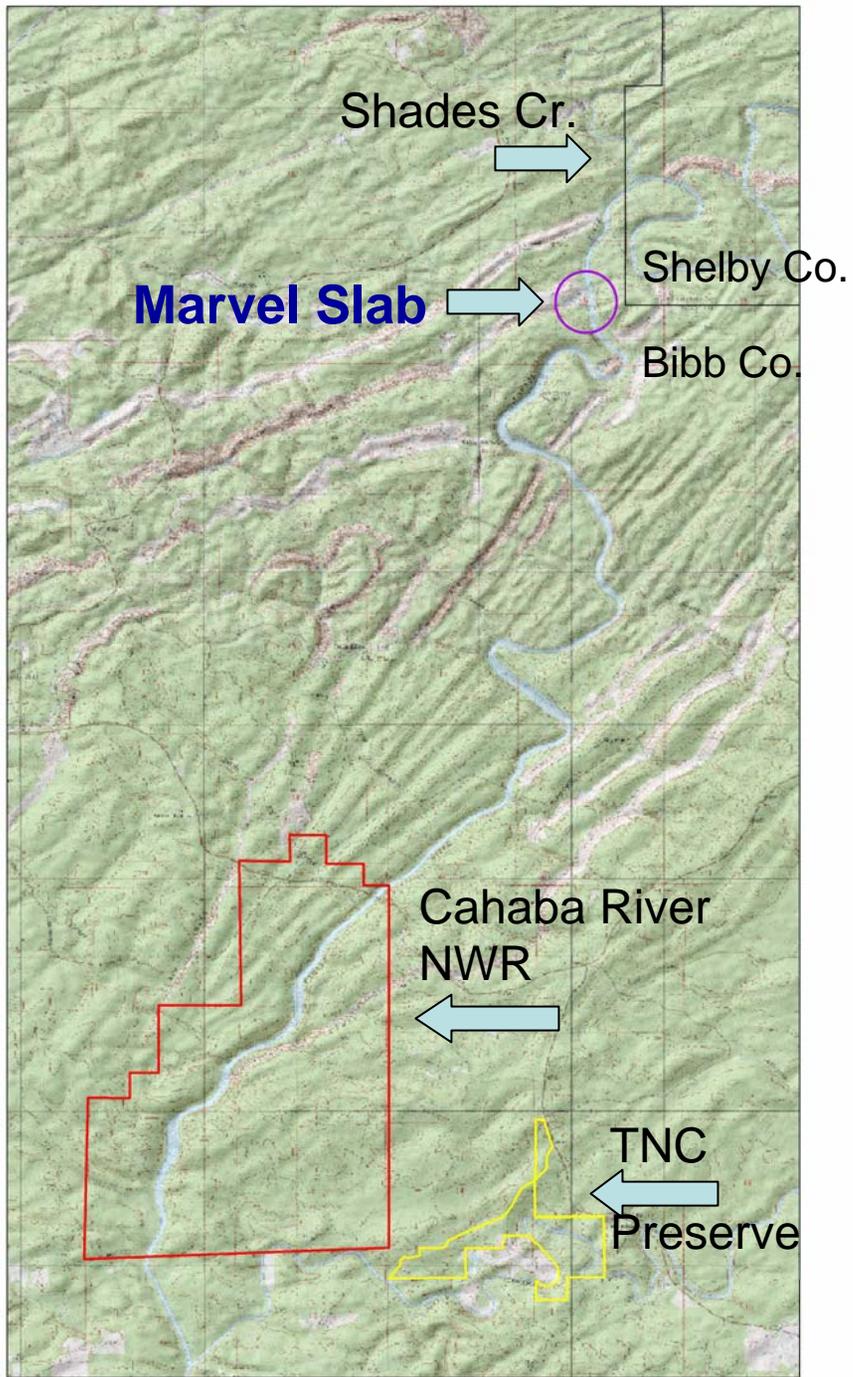


**US Army Corps
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CS Mott Foundation, Munson Foundation,
National Fish and Wildlife Foundation





Section 206

Ecosystem Restoration Program

Marvel Slab Low Head Dam

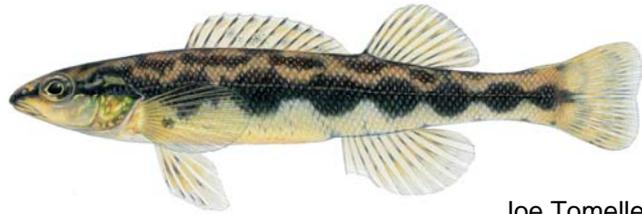


Timeline

1960's Slab Constructed;
1980's Slab Abandoned;
1990's Removal discussions
2004 PCA signed between
COE & TNC



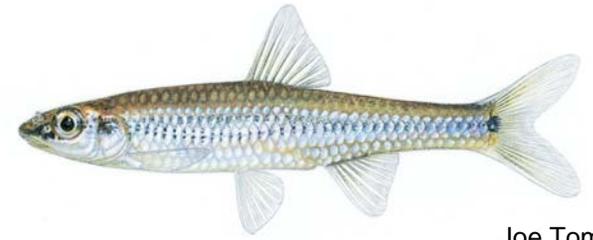
**Dimensions: 210 ft long,
6 feet tall, 24 feet wide**



Joe Tomelleri

Species targets

2 listed fish
2 listed mussels
3 listed snails



Joe Tomelleri



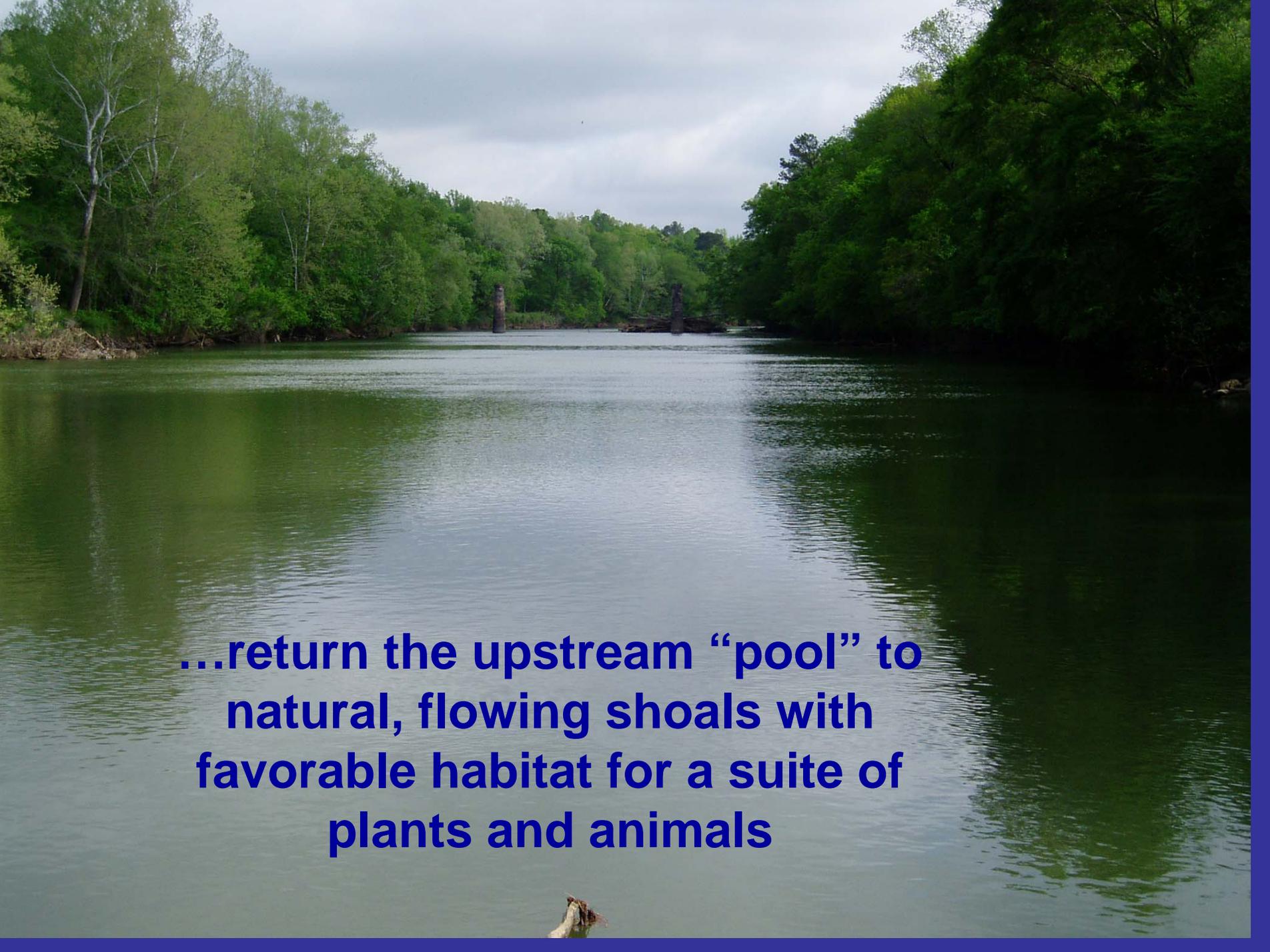


Goal:

**...to restore migratory paths
for fish and connectivity
between populations**

Action:

**...to remove all or part of the
Slab and its 46 culverts (3ft dia)**



...return the upstream “pool” to natural, flowing shoals with favorable habitat for a suite of plants and animals



**The depth of the
“pool” varied up
to 5 feet
depending on
debris**

Before deconstruction:
Over 12,000 snails
and
100 mussels relocated

Over 4,000
*Threatened or
Endangered Species*
transported a short
distance to refugia



Deconstruction began October 21, 2004





October 25, 2004





Before



After

October 30, 2004



Future Condition? Monitoring the recovery...



Many, many thanks to:

Army Corps of Engineers-Mobile, ADCNR-State Lands Division,
Cahaba River Society, World Wildlife Fund,
Presbytery of Sheppards and Lapsley,
Cahaba Sportsmen's Club,
US Fish and Wildlife Service,
The Nature Conservancy,
Samford, Auburn, Alabama Universities
Alabama Rivers Alliance, TN Aquarium Research Ins.,
Geological Survey of Alabama, U. S. Steel



photographer Beth Maynor Young

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