



## Wave Ecology

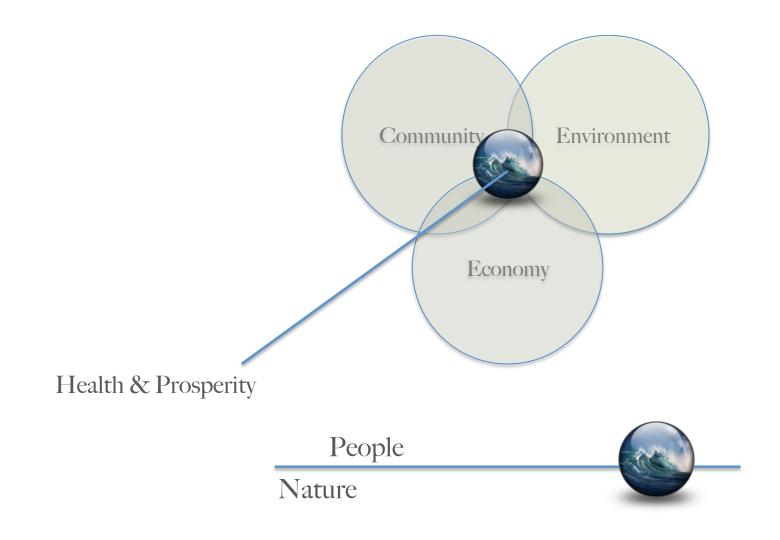
The Highway 80 Challenge



## Ecosystem Ecology + Urban Ecology = Wave Ecology

Examines the population, community, and physiological structures within a boundary area to determine their interaction and interdependence

Unites the scientific approach of ecosystem ecology with urban planning



The Tybee Island Ecosystem



## Study Boundaries = Geographic Map Outputs Today...

History & Development

Density: Residents & Visitors

Culture: Festivals, Destinations & Mobility

Aging Populations & Risk

People

Nature



History & Development: Route 80 & Tybee Island







## History & Development Linked to Mobility...



The Steamboat: Savannah to Tybee in 1 Hour

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Source: Central of Georgia Railway Company

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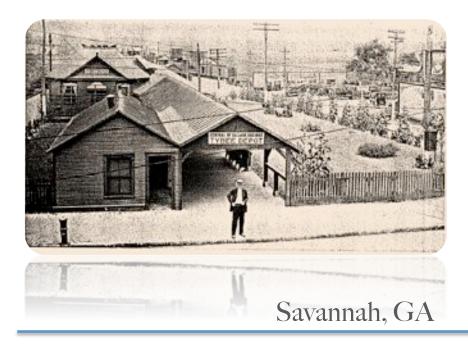
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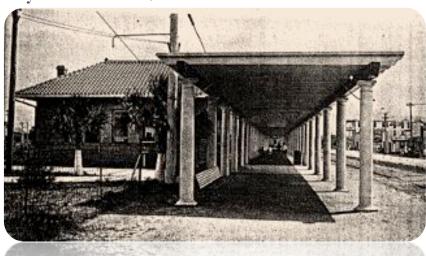
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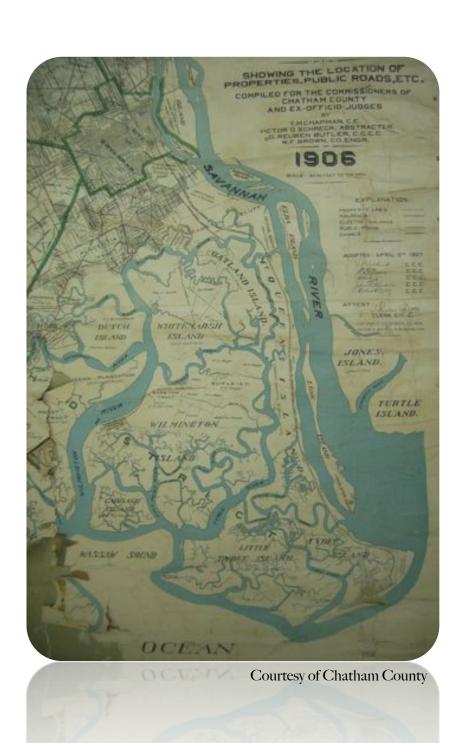
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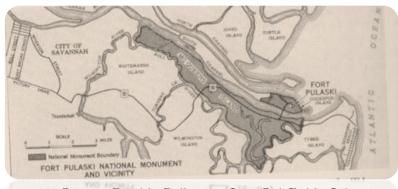
The Railroad: Savannah to Tybee in 45 Minutes



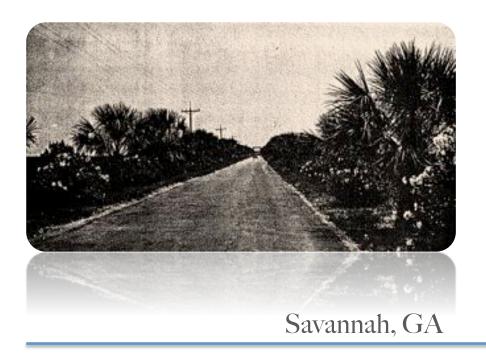
Tybee Island, GA







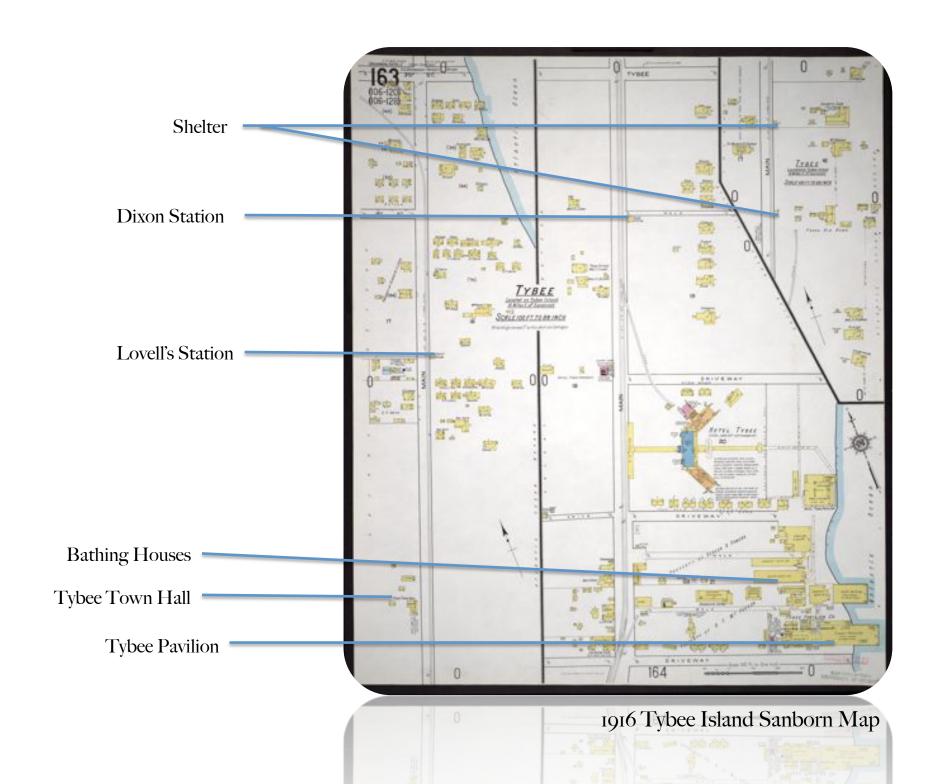
Source: Gamble Collection, Live Oak Public Libraries



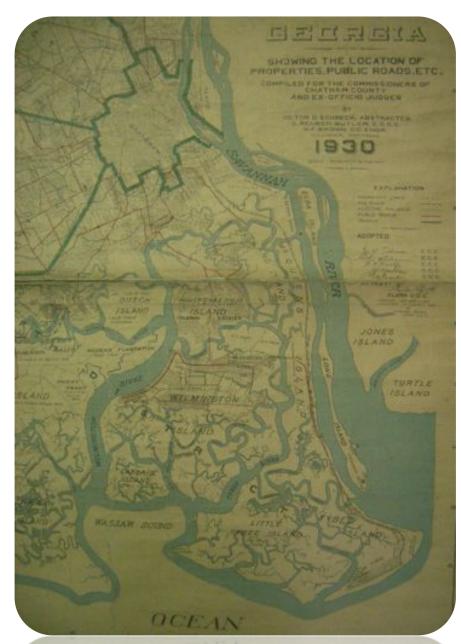
Tybee Island, GA



The Tybee Island Road
Savannah to Tybee in 30 Minutes







Courtesy of Chatham County



Wave Ecology: Route 80 & Tybee Island
1950 Ariel View of the Tybee Island Road