



Resilience and the Nature of Place

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Texas Coastal Watershed Program

Texas A&M AgriLife Extension Service and Texas Sea Grant

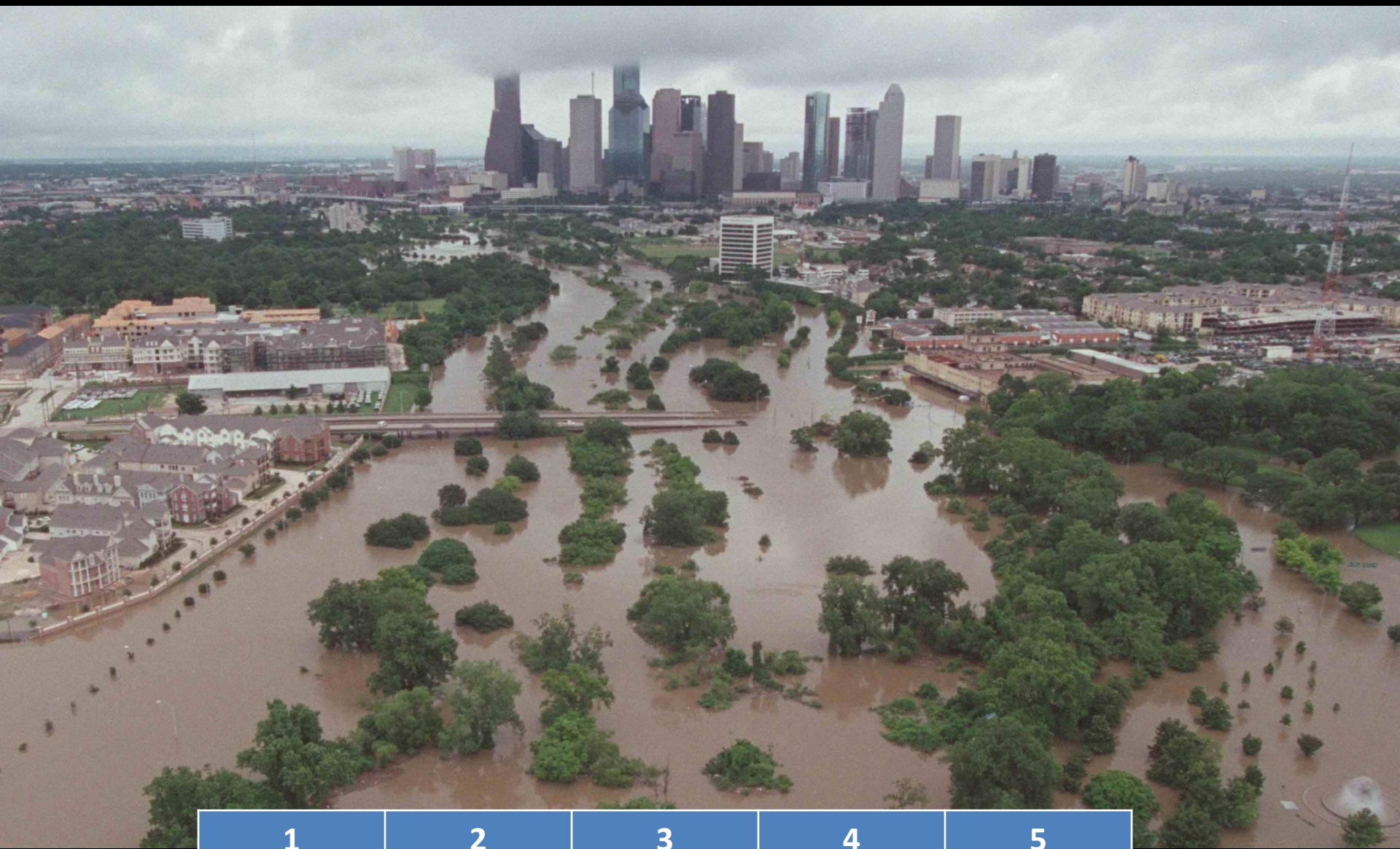
Texas A&M University System



RESILIENCE

But first

A QUIZZ



1	2	3	4	5
Non resilient				Very resilient



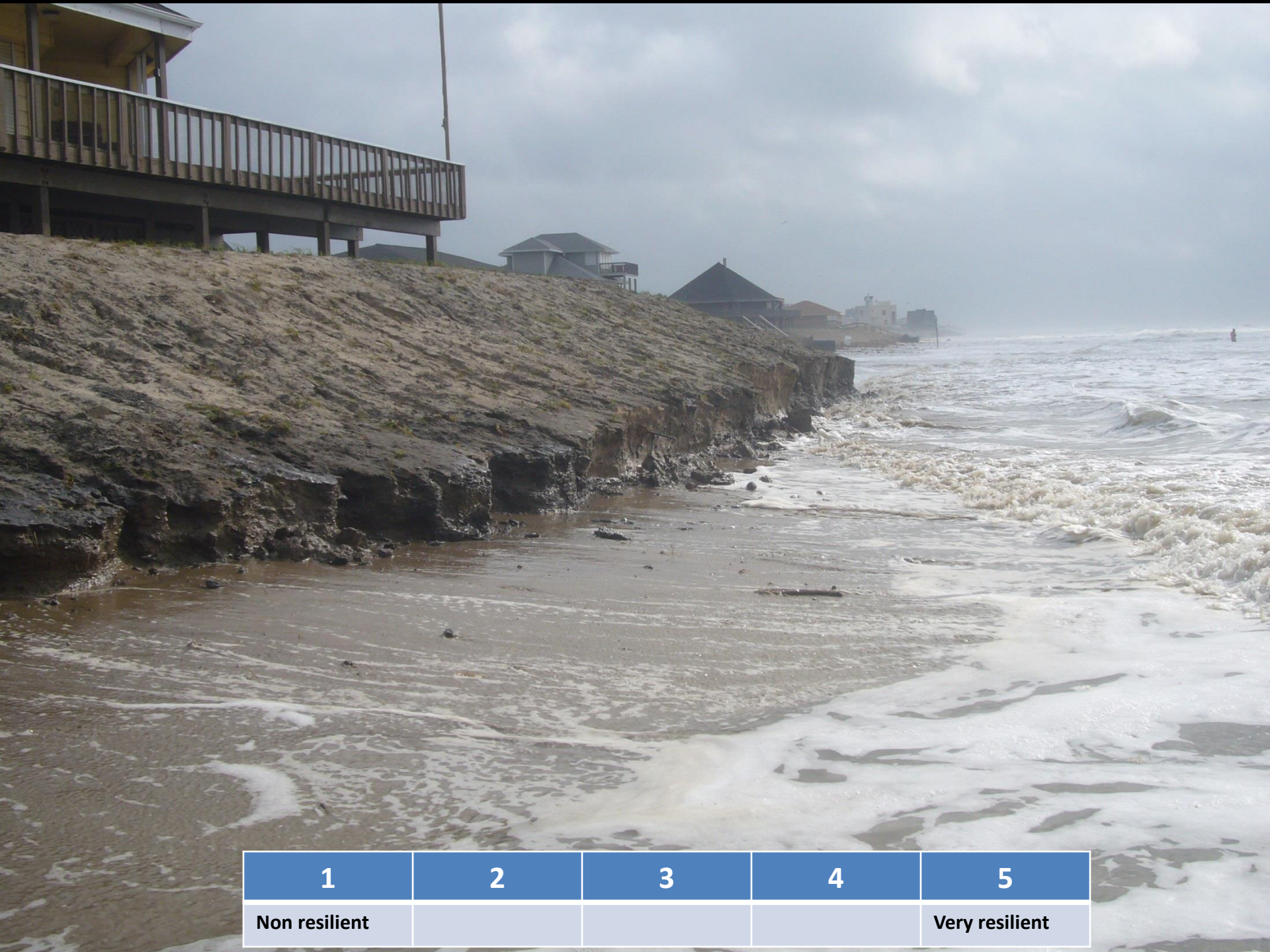
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Non resilient				Very resilient



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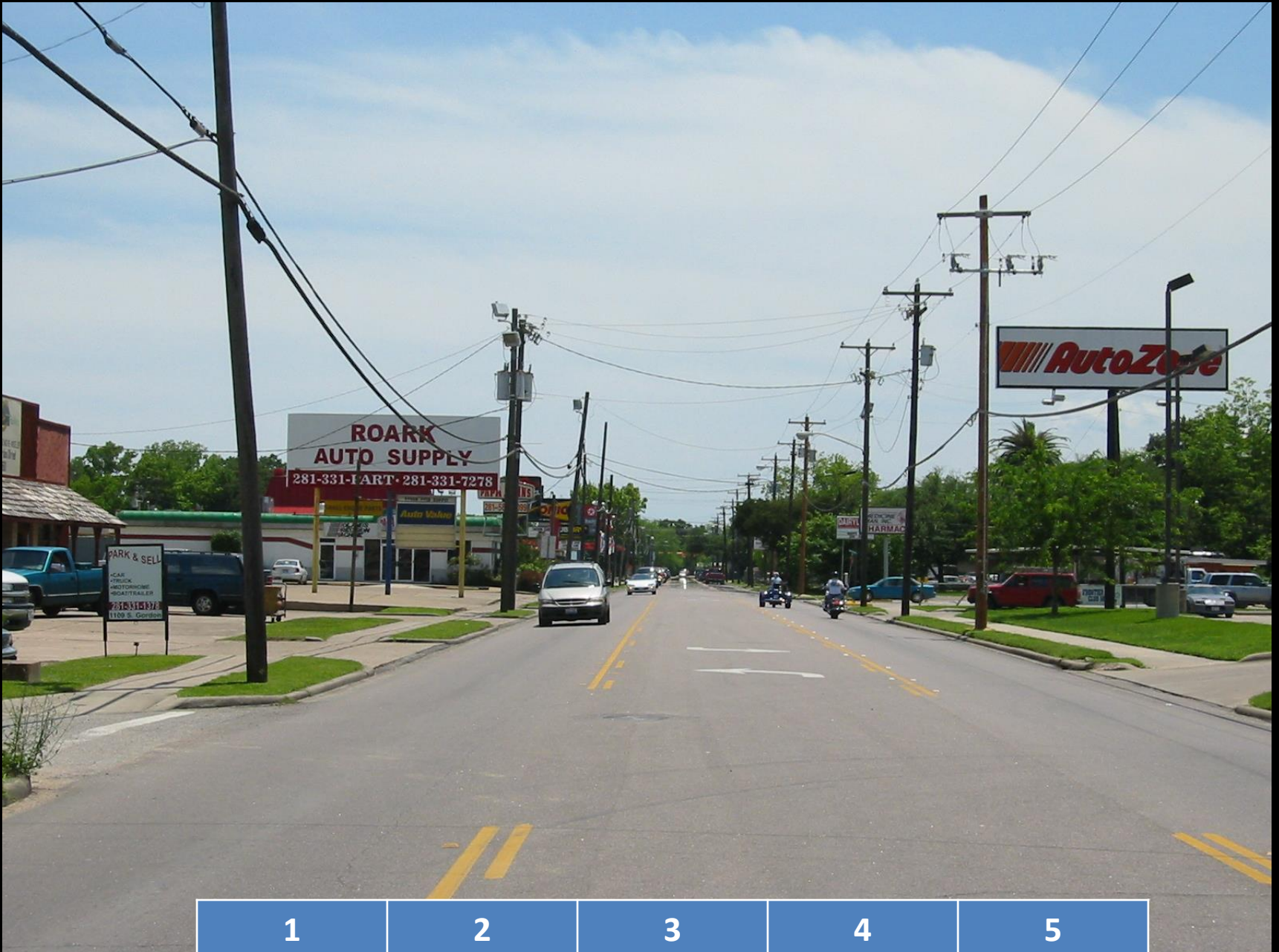
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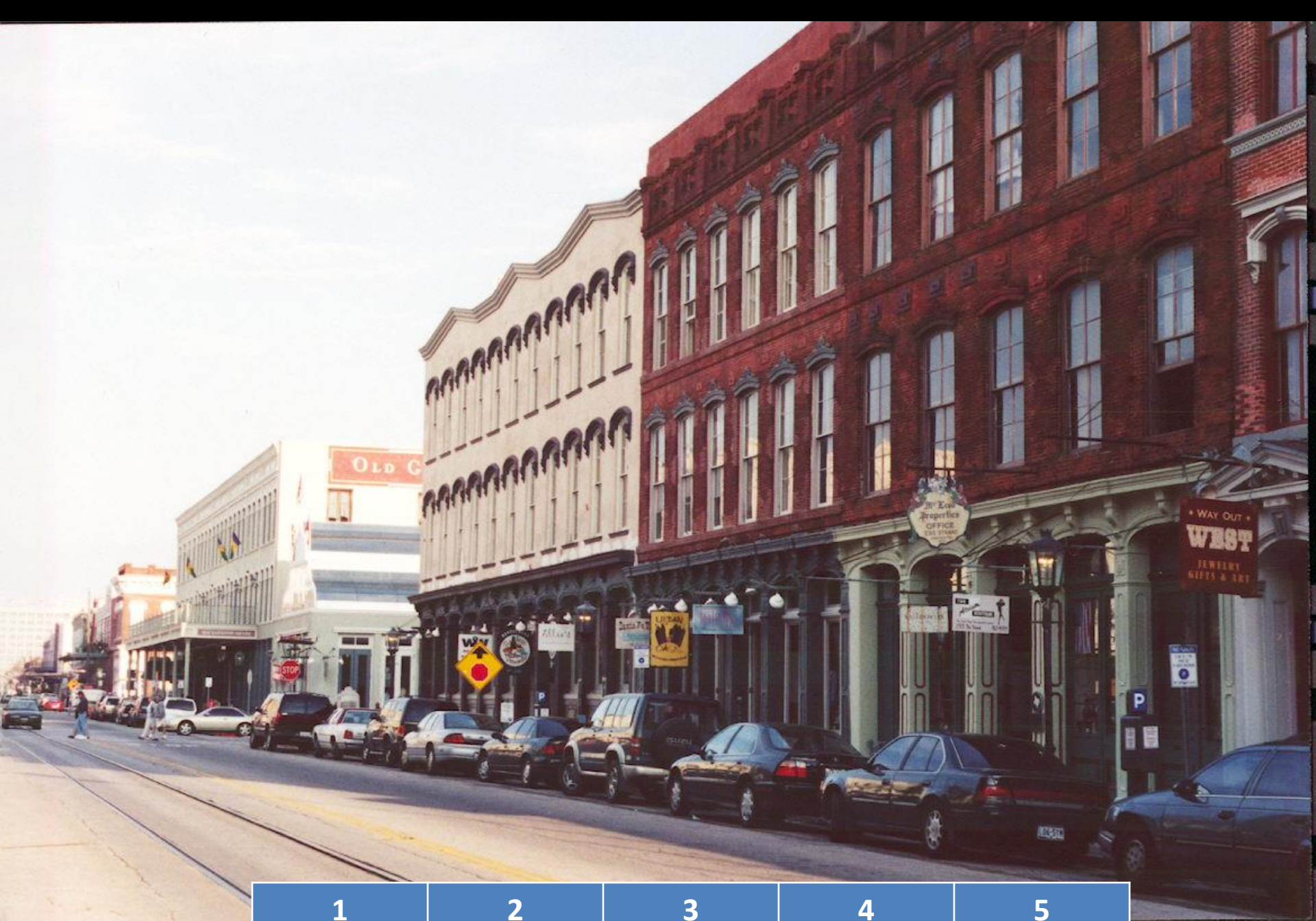
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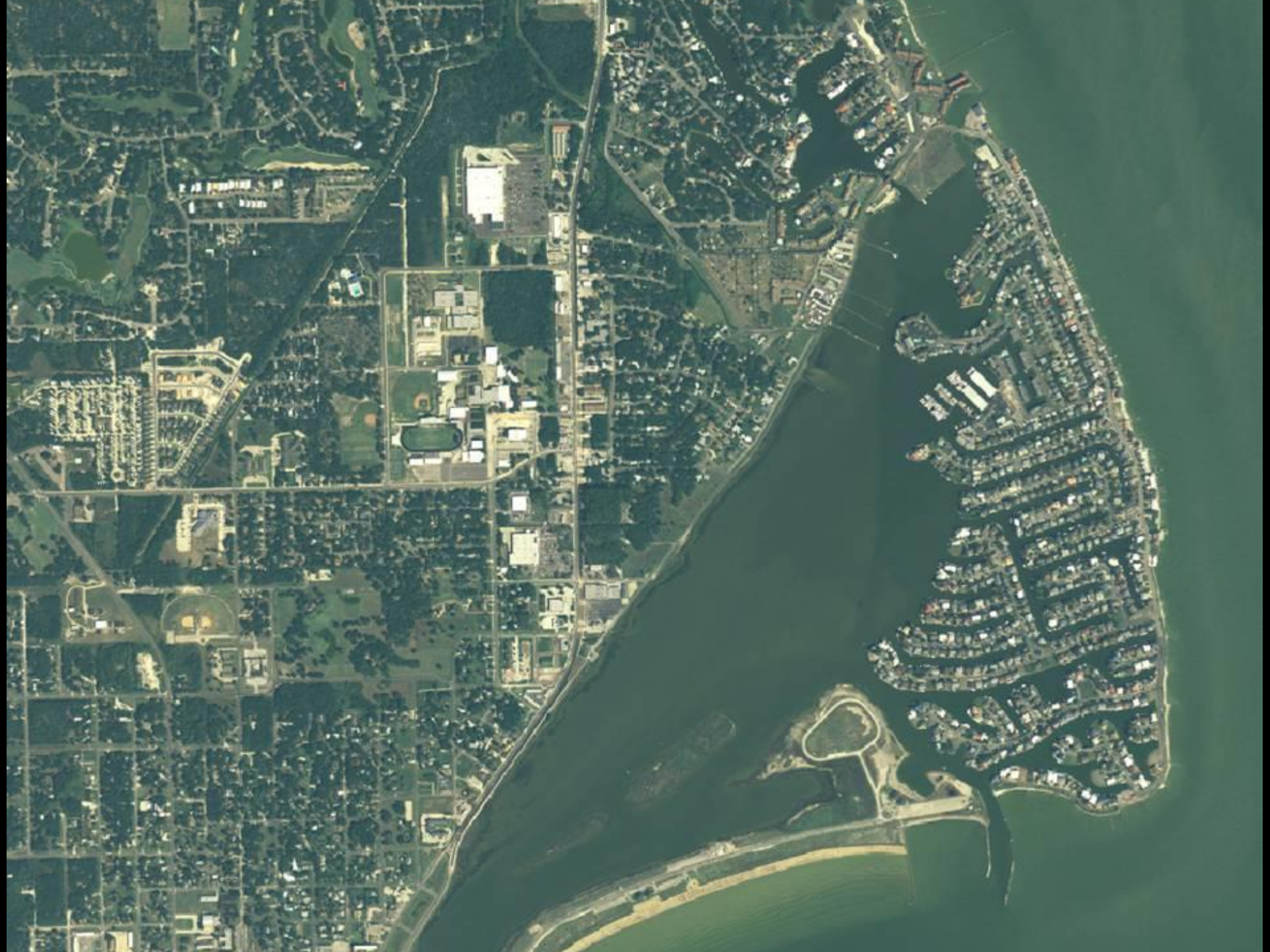
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Rockport, TX



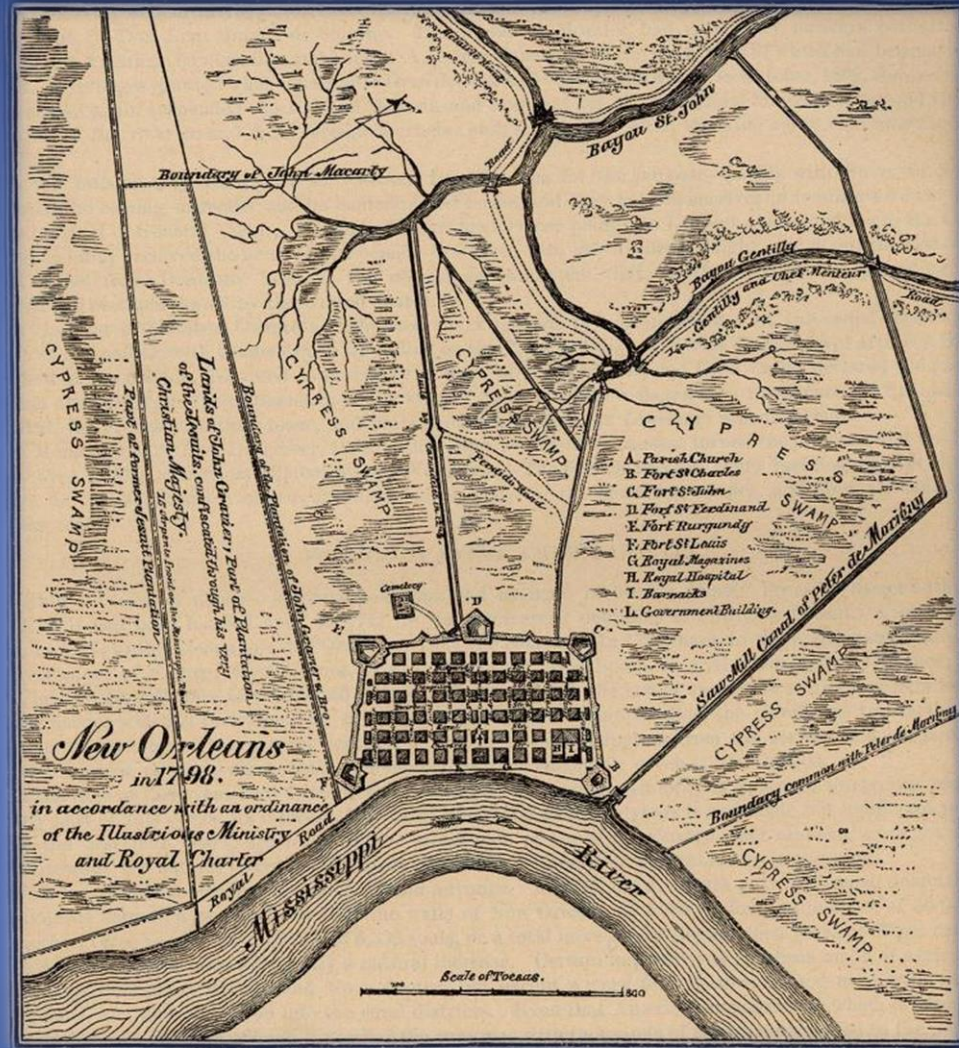
Image © 2006 The Florida Department of Environmental Protection
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Pointer: 27°46'29.78" N 82°38'38.58" W elev: 32 ft

Streaming: 100%

Eye alt: 18473.0



Bienville's Dilemma

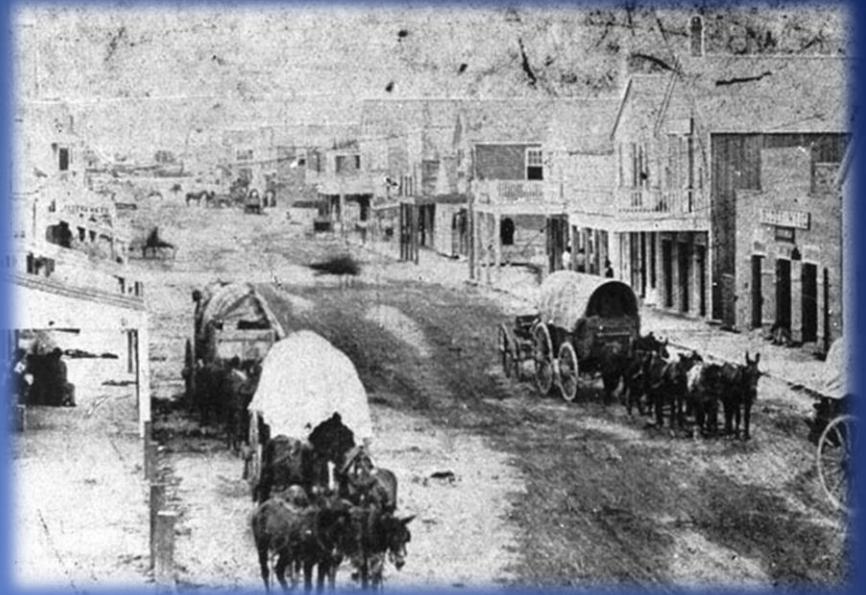
PAPERS

BOZ

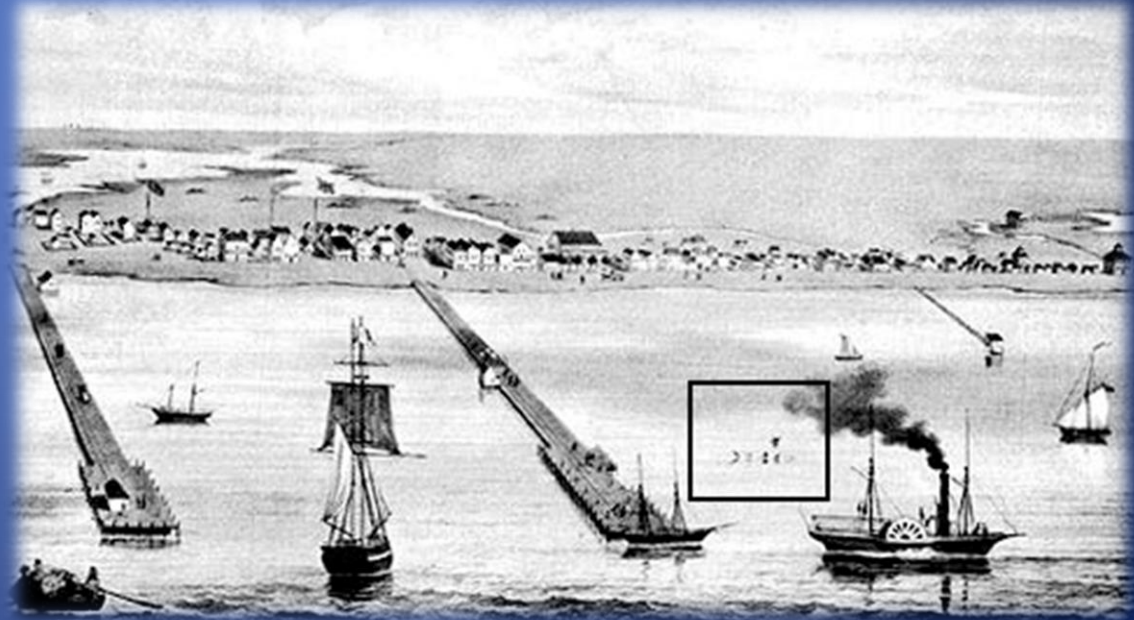
ENS

Resilience

Two Tales
of
Two Cities



Indianola, Texas





Jackson

Matagorda

Victoria

316

Indianola Island

Indianola, TX

Refugio



WELL FOUNDATION AT INDIANOLA



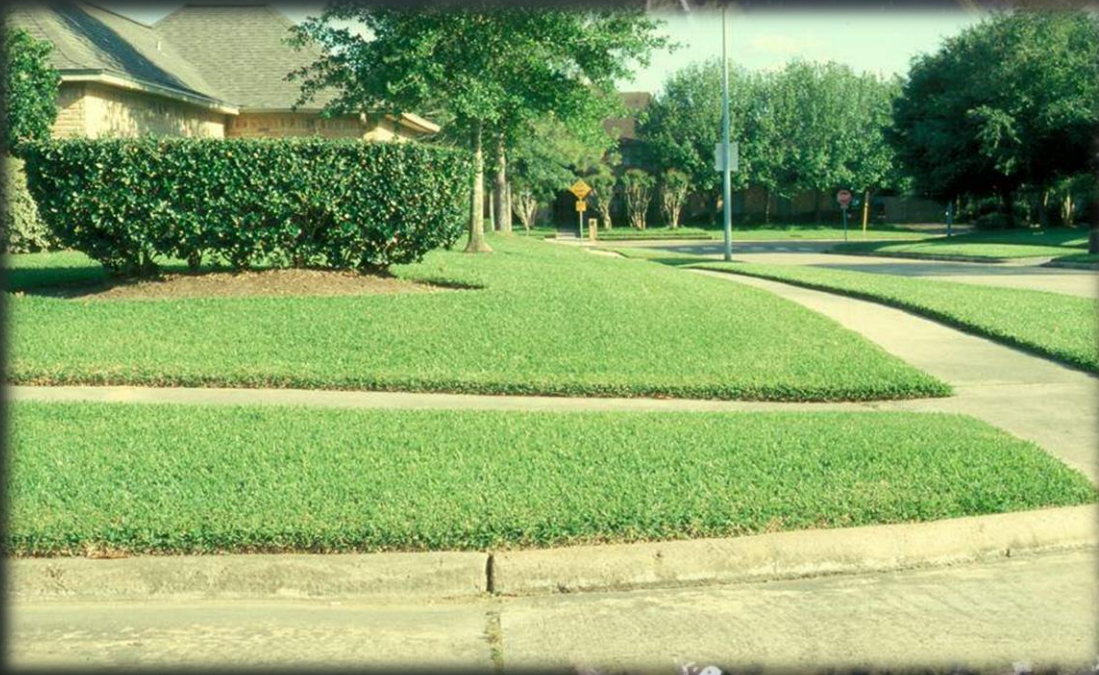


Galveston, Texas 1900





Brownwood, Baytown, Texas









WHAT



WHERE



HOW

Coastal Community Resilience

Elements for Coastal Urban Resilience



➤ Careful site selection

➤ Critical area conservation

➤ Durable construction

➤ Walkability

➤ A place worth defending

Elements for Coastal Urban Resilience

Durable

and

Lovable







Hardscape, fountain

Urban*Advantage*



Exit 22

- Never See Vehicles
- Never See Neighbors

004420

CLEAR CHANNEL

- 
- A vibrant city street scene with pedestrians, a dog, and a storefront with a shopping cart sign. The scene is set on a sunny day with shadows cast on the sidewalk. A man in a white shirt is sitting on a bench in the foreground, and a dog is sitting next to him. In the background, several people are walking, and a man is pushing a bicycle. The storefront has a large yellow shopping cart sign in the window and a neon sign that says "FROZEN YOGURT".
- 1. Create a Range of Housing Opportunities and Choices**
 - 2. Create Walkable Neighborhoods**
 - 3. Encourage Community & Stakeholder Collaboration**
 - 4. Foster Distinctive, Attractive Communities with a Strong Sense of Place**
 - 5. Make Development Decisions Predictable, Fair and Cost Effective**
 - 6. Mix Land Uses**
 - 7. Preserve Open Space, Farmland, Natural Beauty and Critical Environmental Areas**
 - 8. Provide a Variety of Transportation Choices**
 - 9. Strengthen and Direct Development Towards Existing Communities**
 - 10. Take Advantage of Compact Building Design**



Popsicle Test



Kid Test



Seniors Test

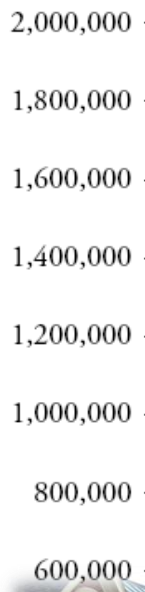


Commons Test



Smooch Test





A vibrant, compact urban street scene. In the foreground, several people are sitting on wooden benches along a brick-paved sidewalk. A large tree provides shade over the benches. In the background, there are multi-story brick buildings with windows and storefronts. One building has a sign for 'SEALS' ice cream. A blue car is parked on the street. The overall atmosphere is lively and community-oriented.

Compact urban form confers resiliency by:

- Less area to protect
- More choices on where to locate
- Proximity of refuge
- Sturdier structures
- Greater social cohesion
- Mass transit evacuations

Less area to protect



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Image Houston-Galveston Area Council

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29°20'14.42" N 94°48'10.27" W

elev 0 m

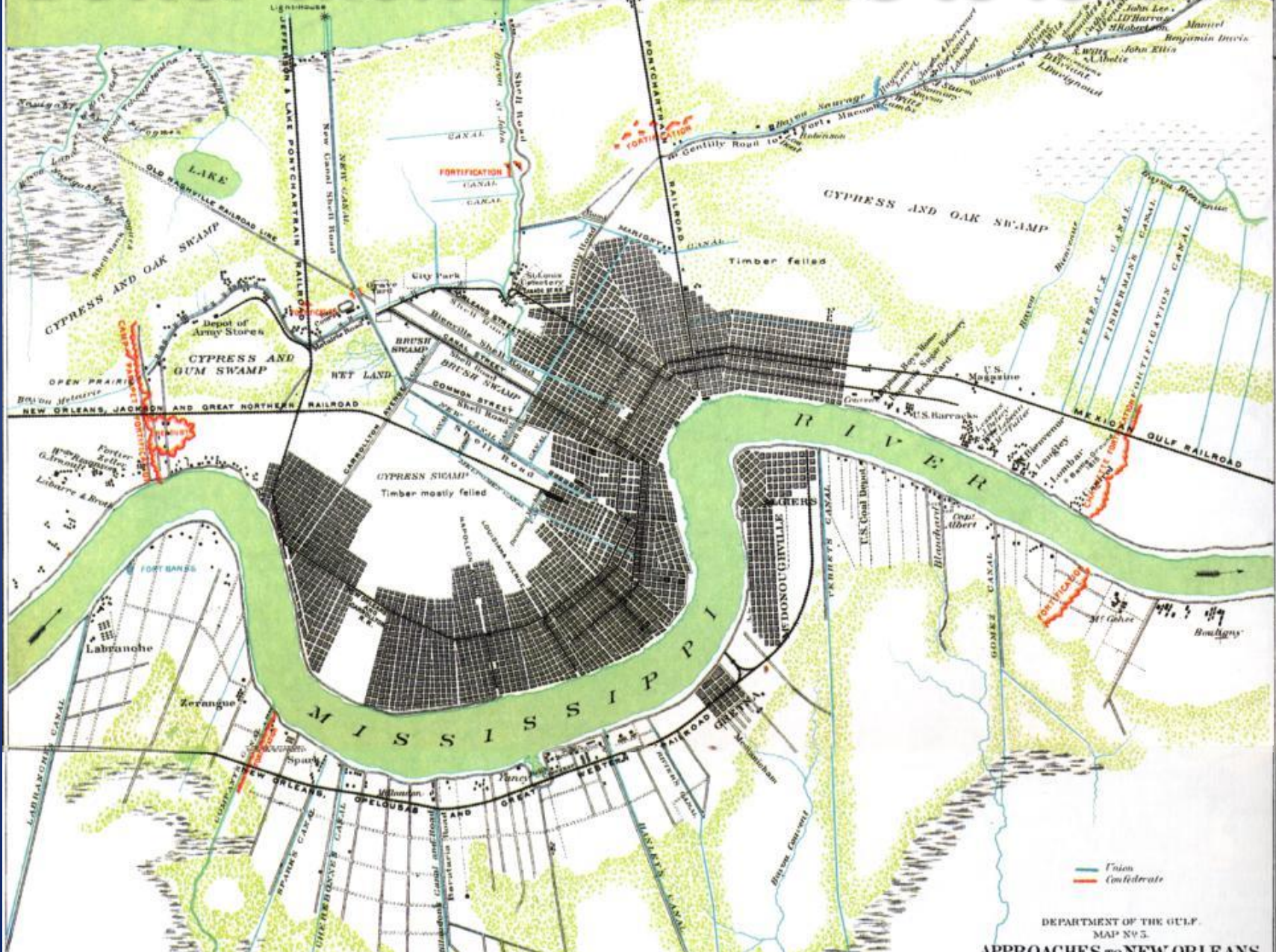
Eye alt 1.68 km

Less area to protect

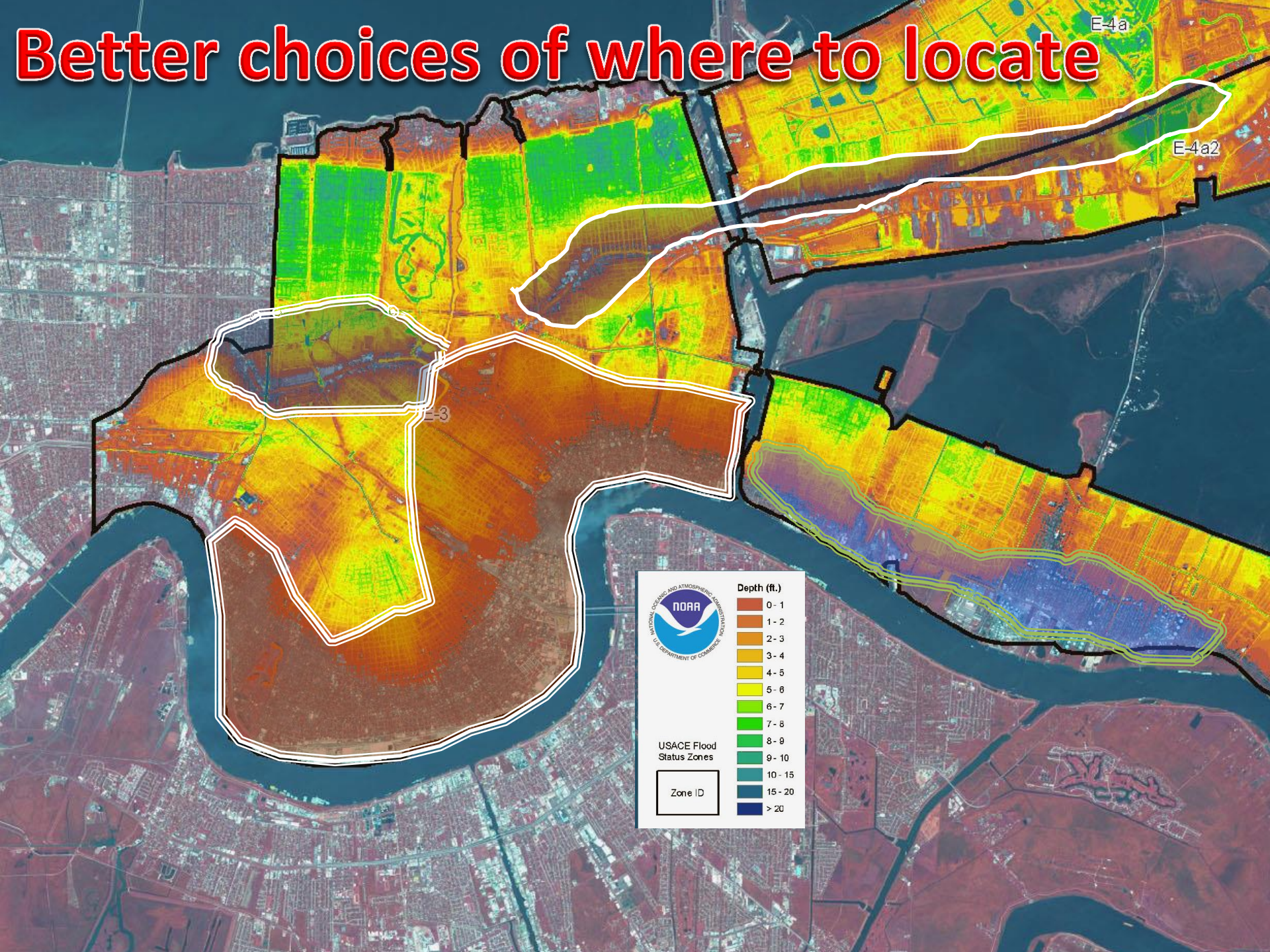


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Image Houston-Galveston Area Council
Image NASA

Better choices of where to locate



Better choices of where to locate

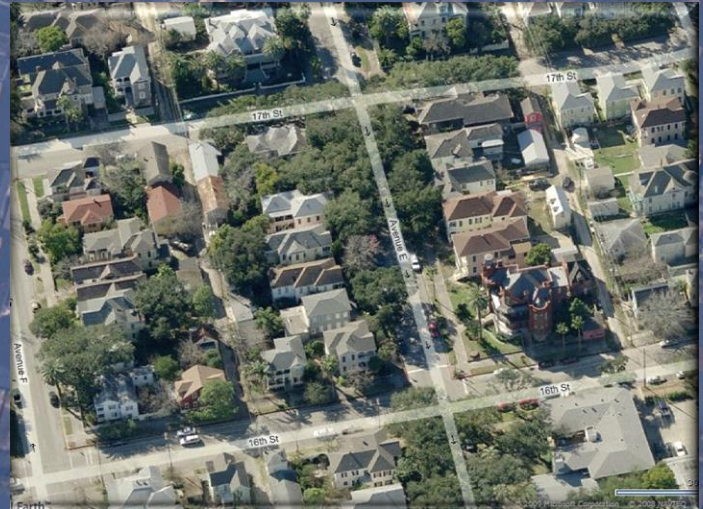


2D 3D ▾



Microsoft
Virtual Earth™

Proximity to refuge

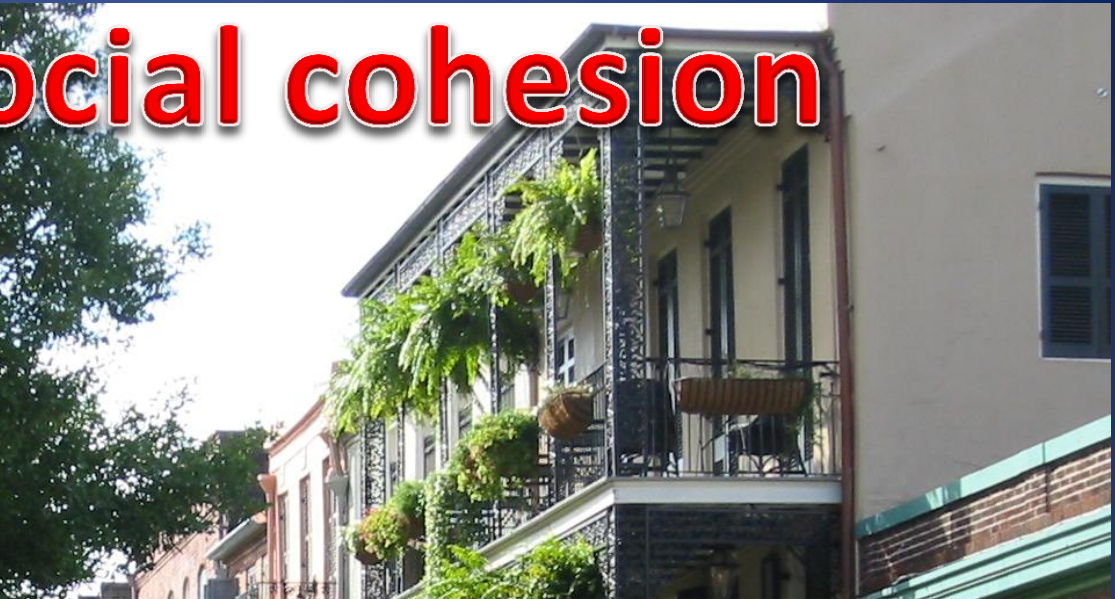


Community safe room?

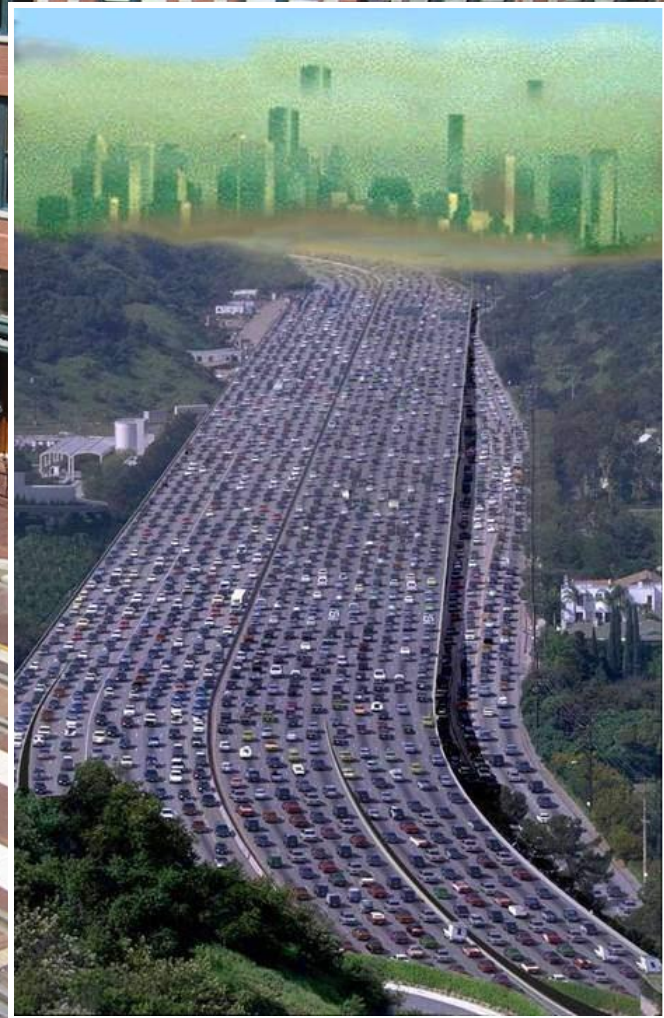
Sturdier structures



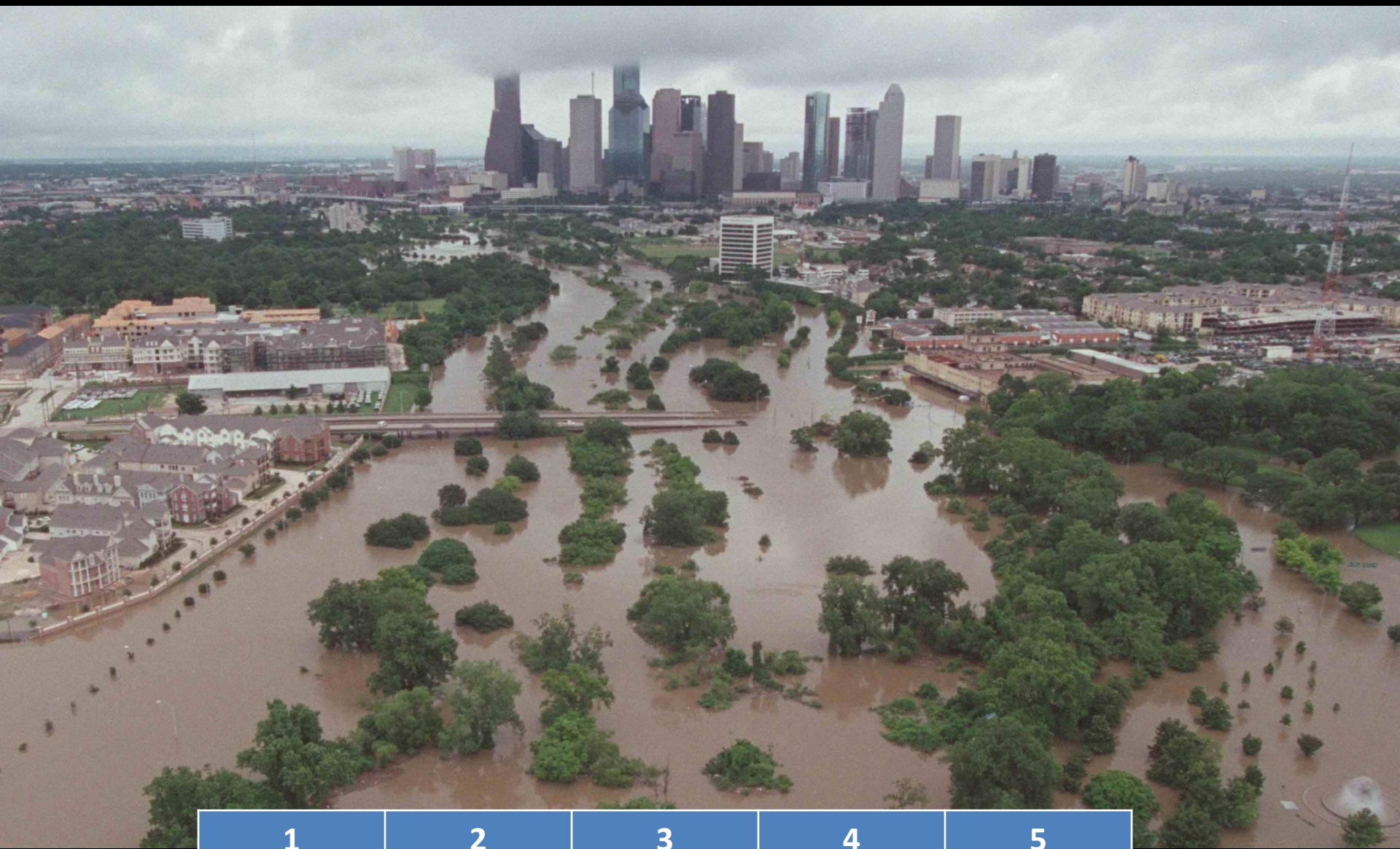
Greater social cohesion



Mass transit for better evacuations







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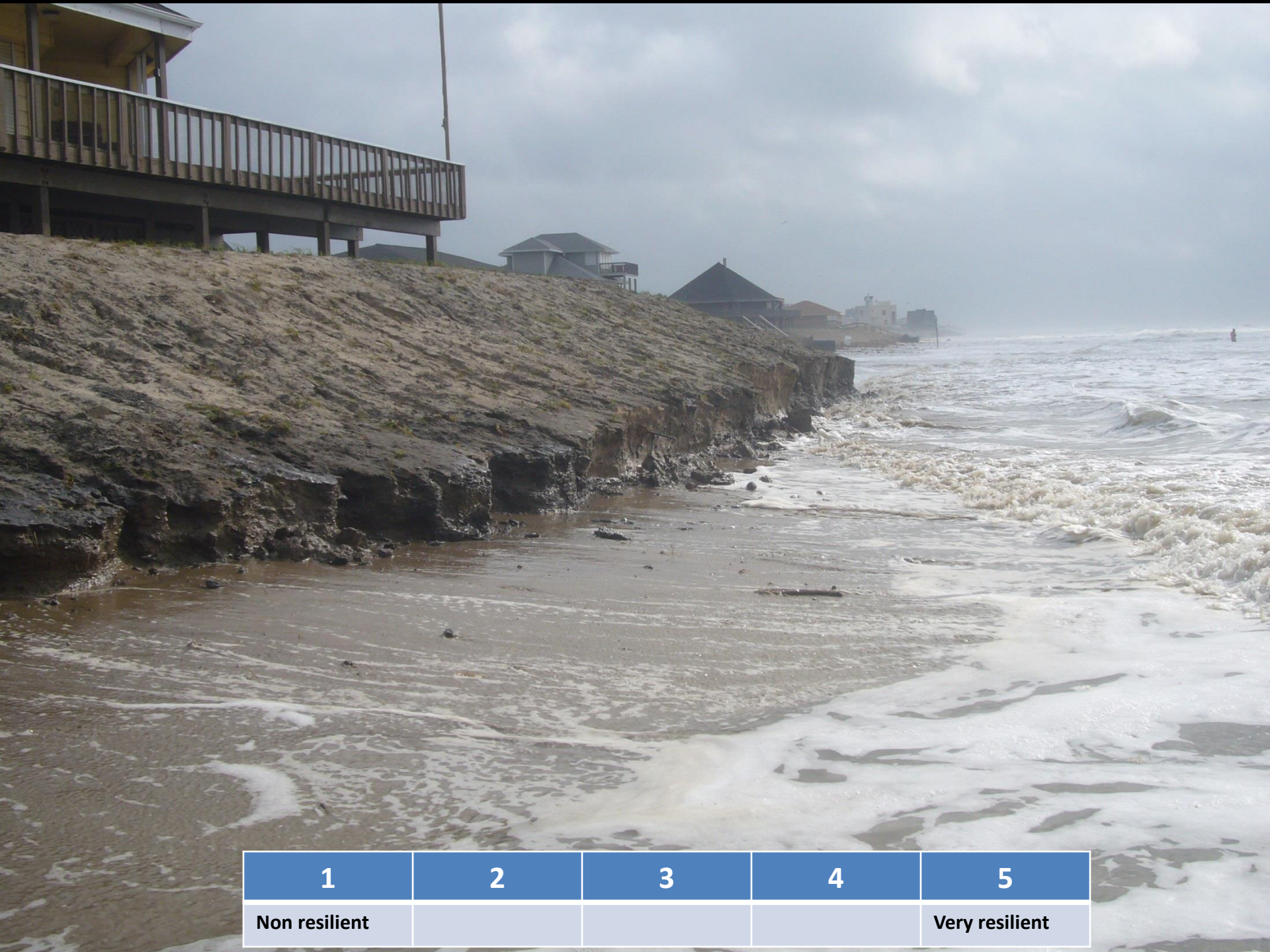
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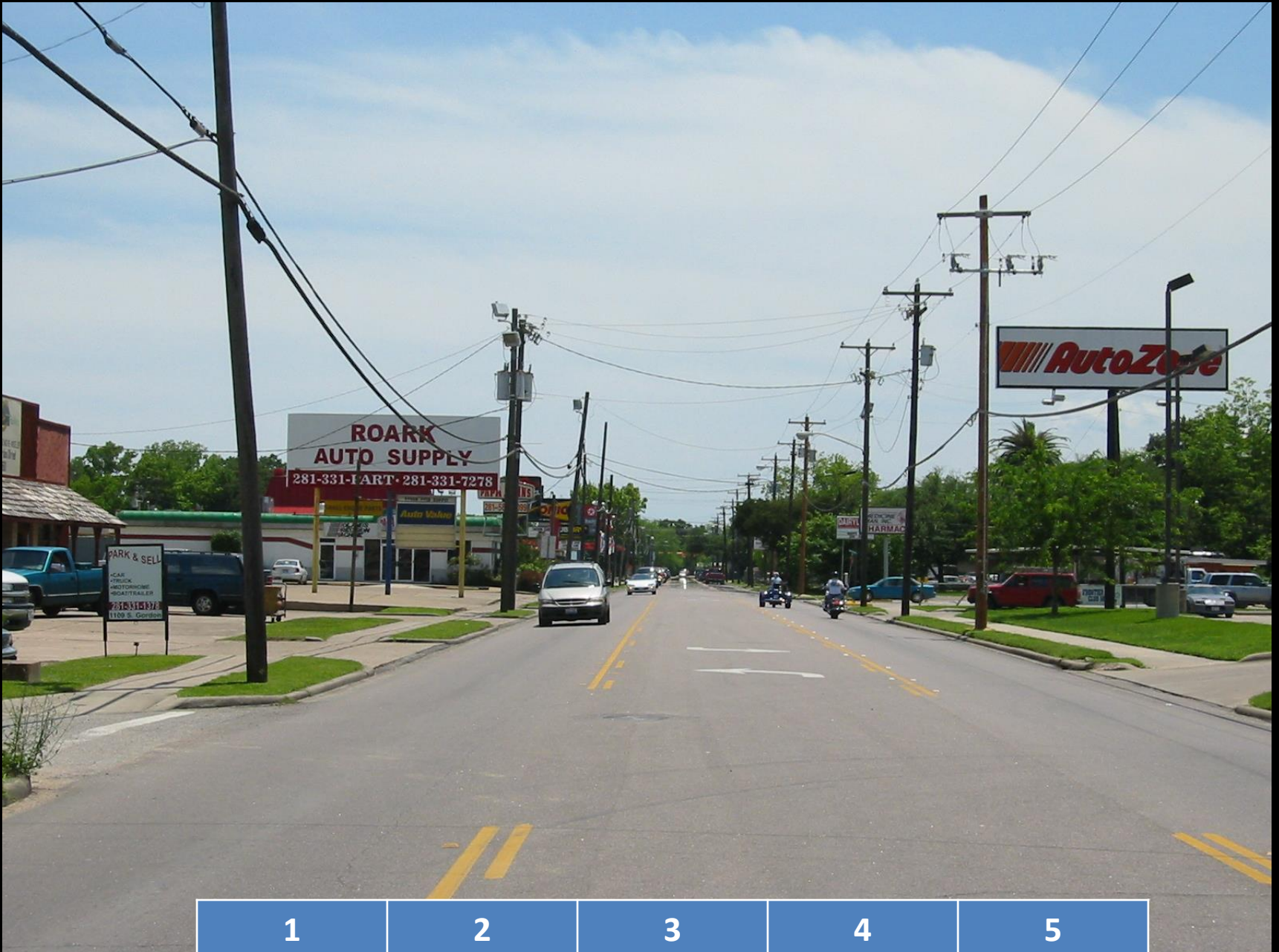
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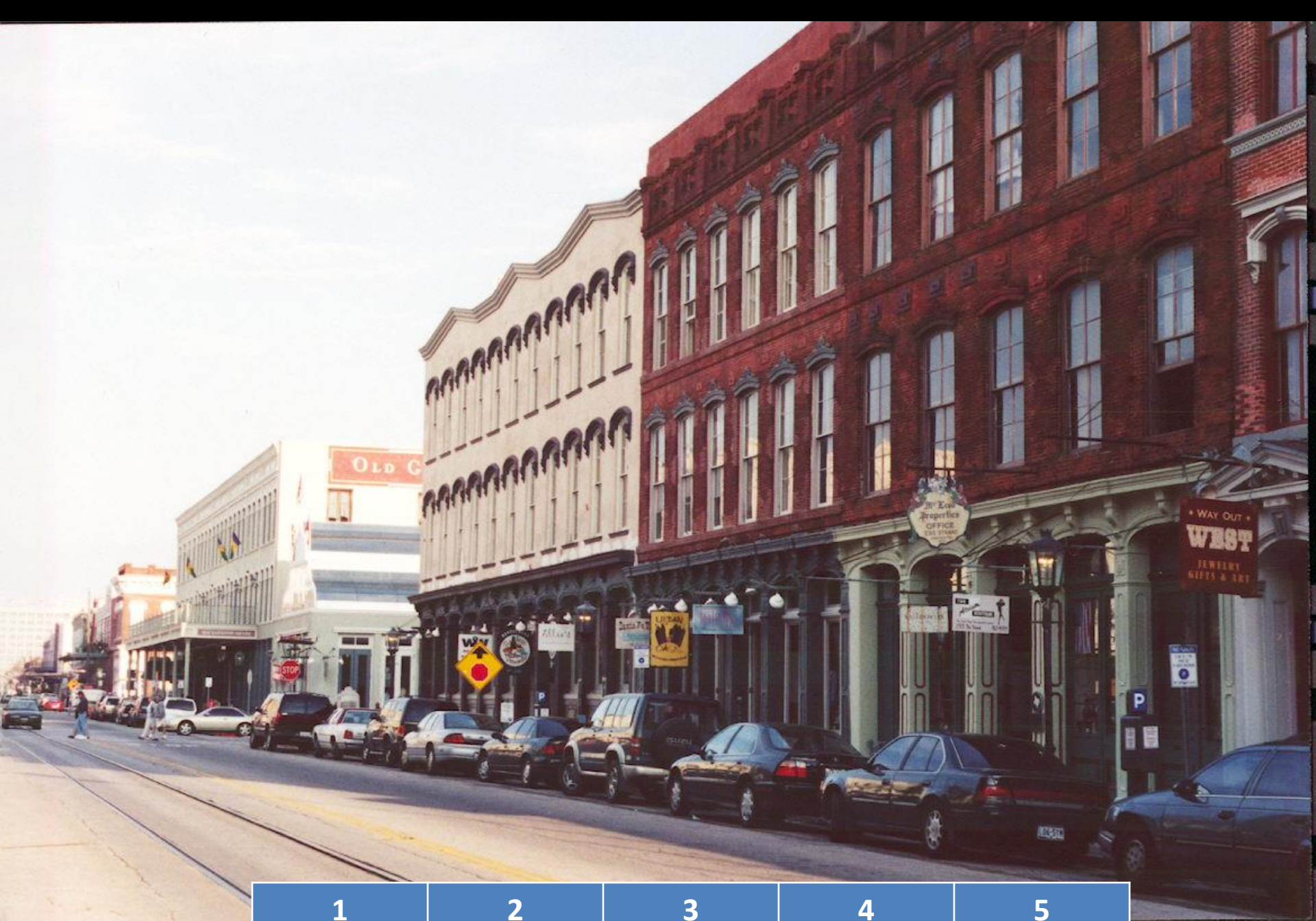
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