

# Perceptions of Geologic Sequestration in California's Central Valley

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# Today's Talk

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- Motivation
- Methods
- Communities
- Findings

# Motivation

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Community acceptance/rejection  
→ policy implications for climate  
change mitigation solutions

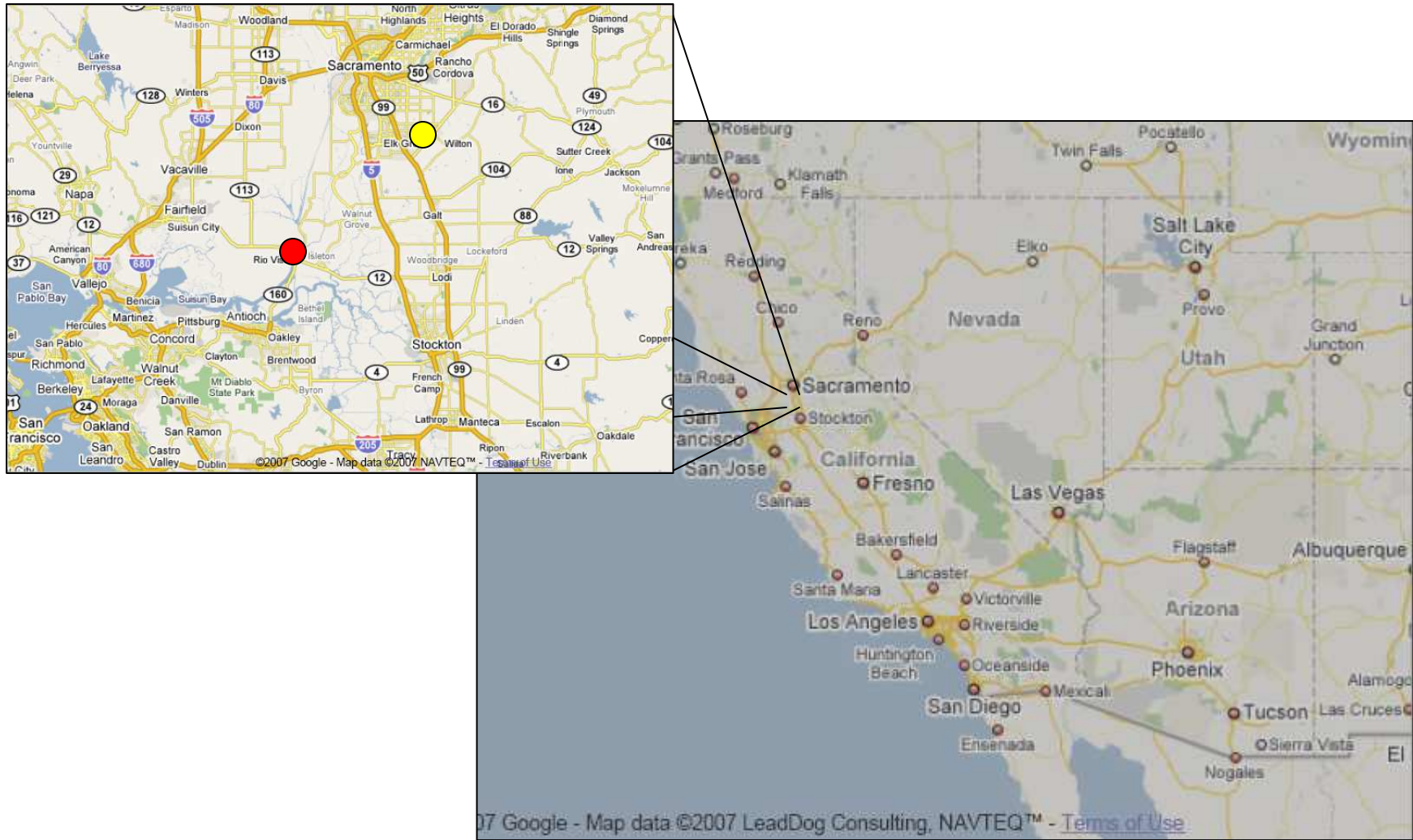
What are community perceptions  
of solutions, such as CCS?

# Methods

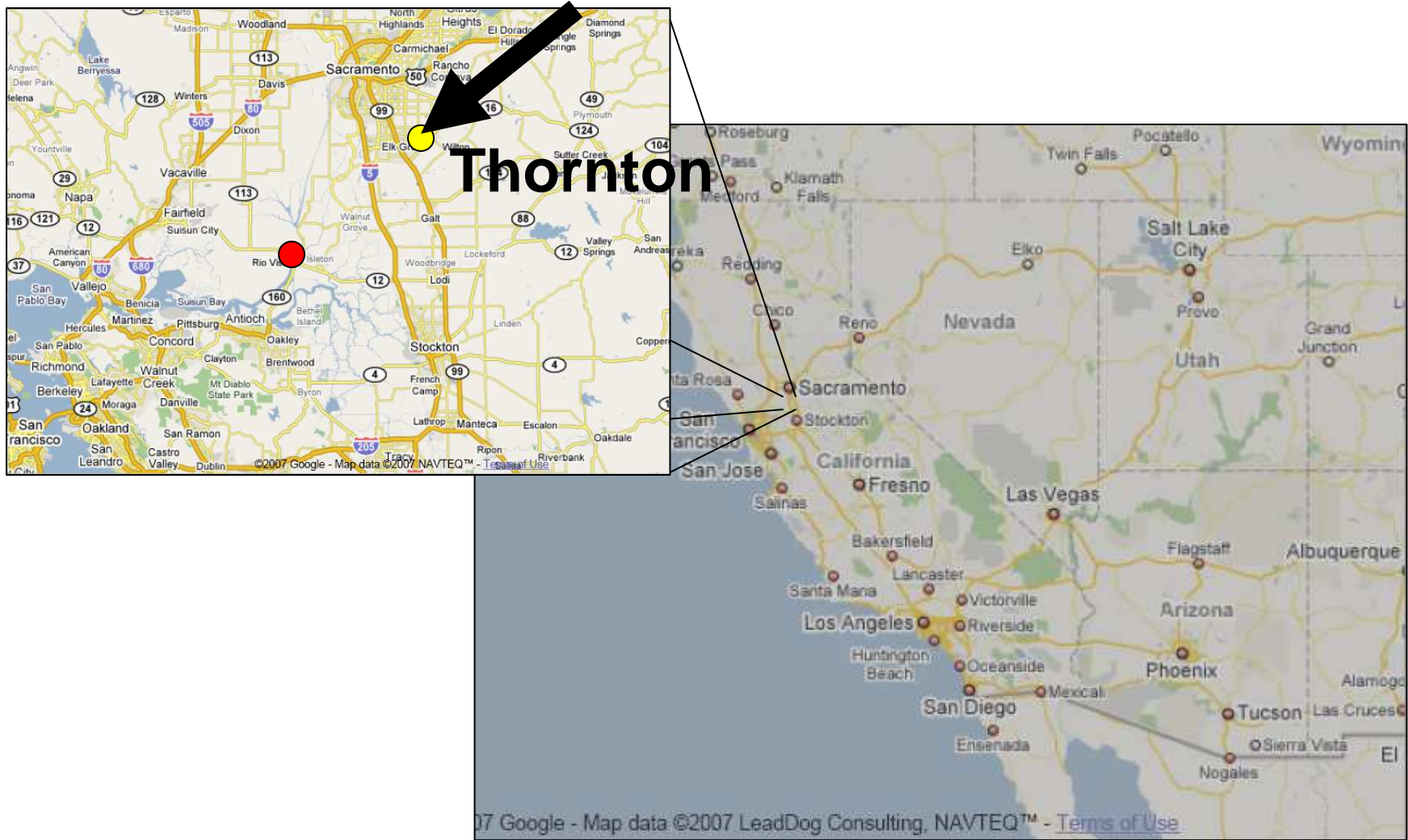
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- Focus Group Instrument
- Interview Instrument
- Sampling
  - pseudo opinions

# Communities



# Communities



# Communities

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# Thornton

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# Thornton

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# Rio Vista

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# Rio Vista

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# Findings

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In general, Thornton and Rio Vista viewed geologic sequestration similarly

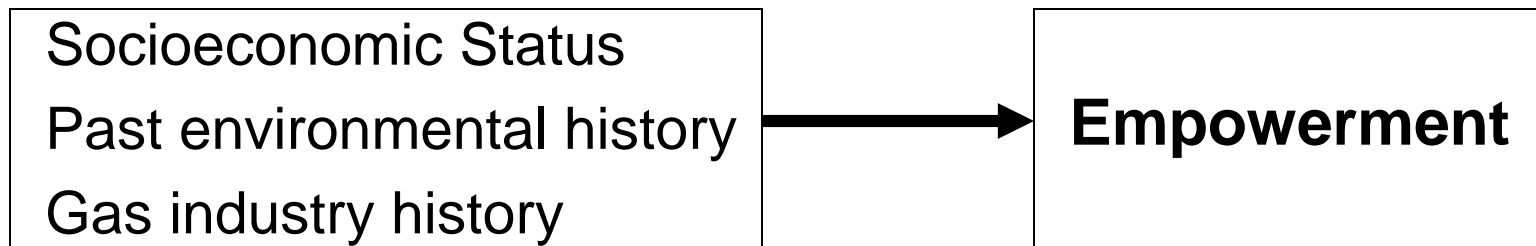
Like previous research, some common concerns were:

- Leaks
- Ground water contamination
- Explosions

# Findings

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Rio Vista was less resistant to hosting a geologic sequestration facility than Thornton. Why?

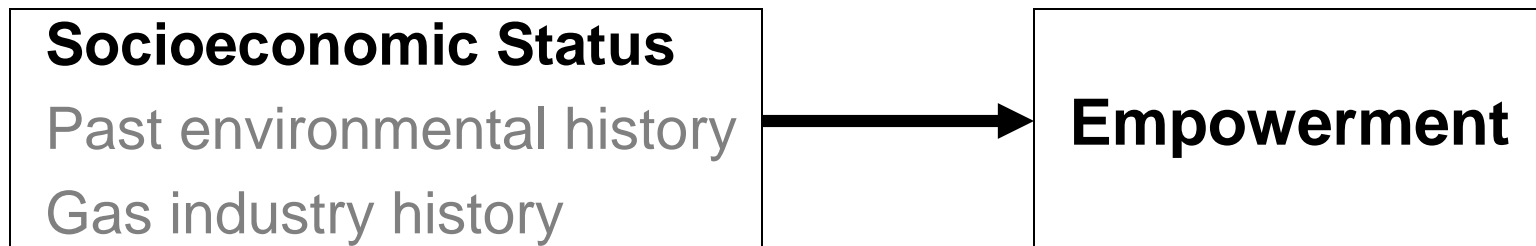


Actual versus potential project site?

# Findings

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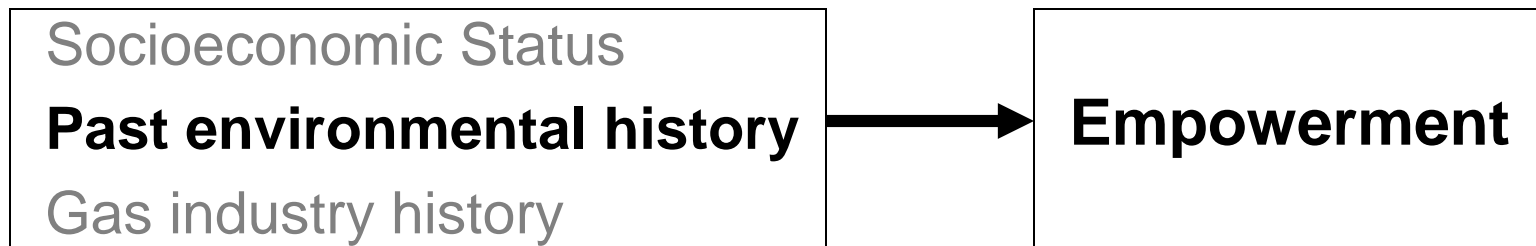


Actual versus potential project site?

# Findings

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Actual versus potential project site?

# Environmental History

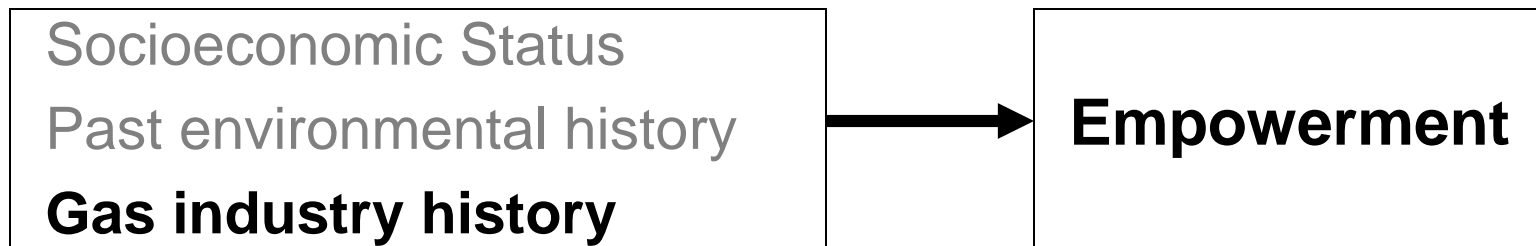
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*“...when the water drips, it stains the sink brown. Just yesterday the water was coming out brown. I’ve gone to some of the town meetings where they have [talked about] about the water thing. They say that [they] come out and clean it out every so often but I don’t think they do...well, [they] haven’t done it for a while or something. I used to notice when they did clean it out that they would go to fire hydrants and everything and let that water out and let it run. Then they came up with that they needed new equipment and it was going to cost everyone in town with this new equipment and I don’t think they’ve done that. It is a concern...a lot of people can’t afford to buy their own equipment for their house.” (Thornton– Focus Group 2)*

# Findings

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Actual versus potential project site?

# Gas Industry History

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*“I had an opportunity to work from San Marin and Bakersfield, to Chico, basically the Central Valley is where we operated in. In most areas you see big turnovers in ranches, but you don’t see them in Rio Vista. [While] other ranches sold. [Here] big families been around for a while, and the primary reason for that is most people here get mineral right income, which justifies a lot of things.” (Rio Vista – Focus Group 1)*

# Findings

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What is essential for technology acceptance?

- Community compensation

What is essential for technology success?

- Community involvement

# Next steps

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- Collaboration with regional partnerships
- More focus groups and interviews?

# Thank you!

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