

# Wasatch Water Use 2040

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## Goal

- Develop and validate water-demand models for Salt Lake City

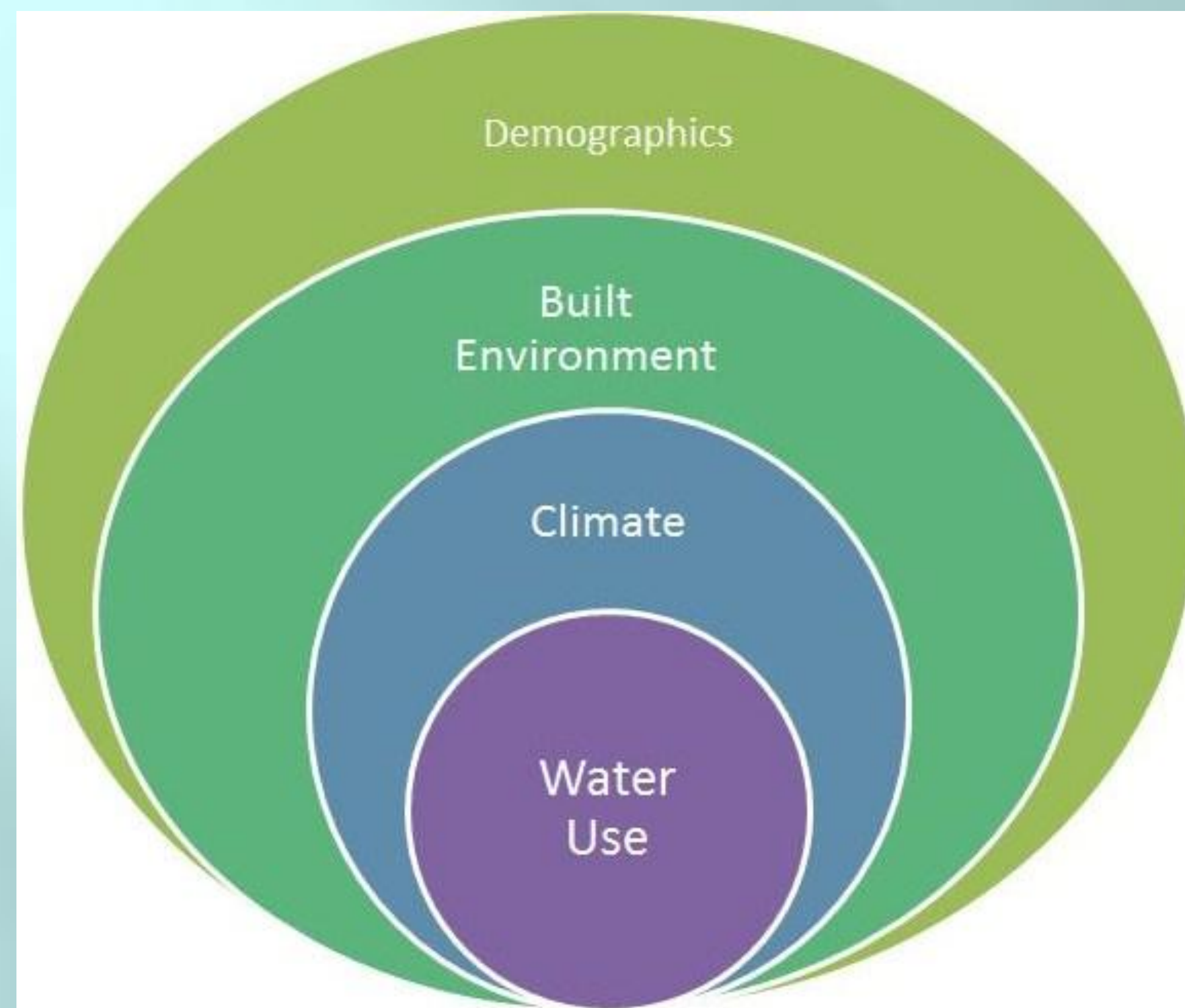


Figure 1. Conceptual framework.

## Research Methodology

- **Use four primary databases**
  1. Salt Lake City Public Utilities Water Use
  2. Salt Lake County Assessors
  3. Infogroup National Household
  4. PRISM Climate Group
- **Complete deliverables**
  1. Empirical models that can be used to predict future water demand
  2. Research manuscript

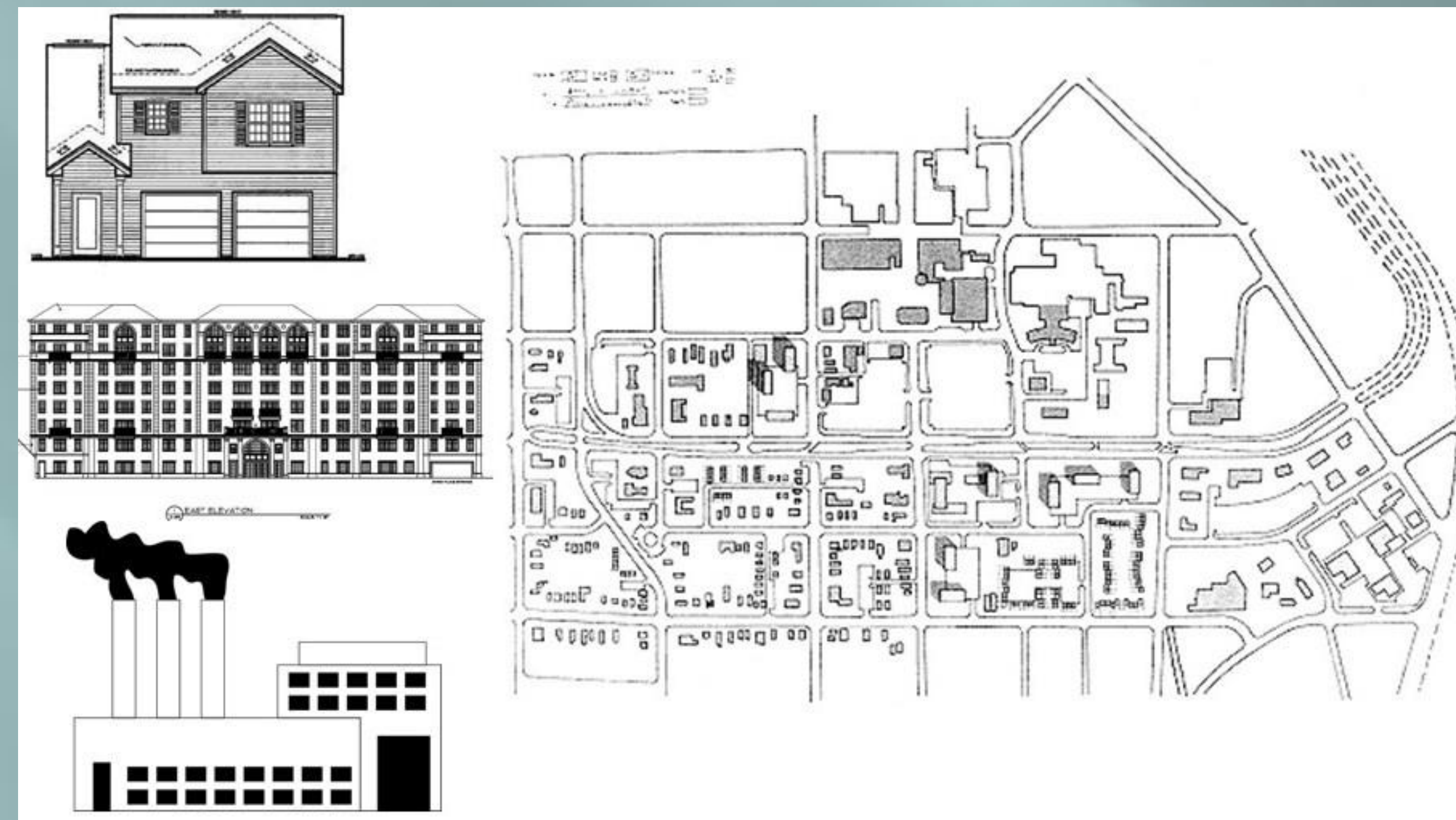


Figure 2. Water use by building and neighborhood type.

## Impact

- 4 million residents living along the Wasatch Front by 2040
- Estimated 50,000 new residents, 15,000 new housing units, and 25,000 new jobs each year
- Stressed water resources
- Need to model current water demand

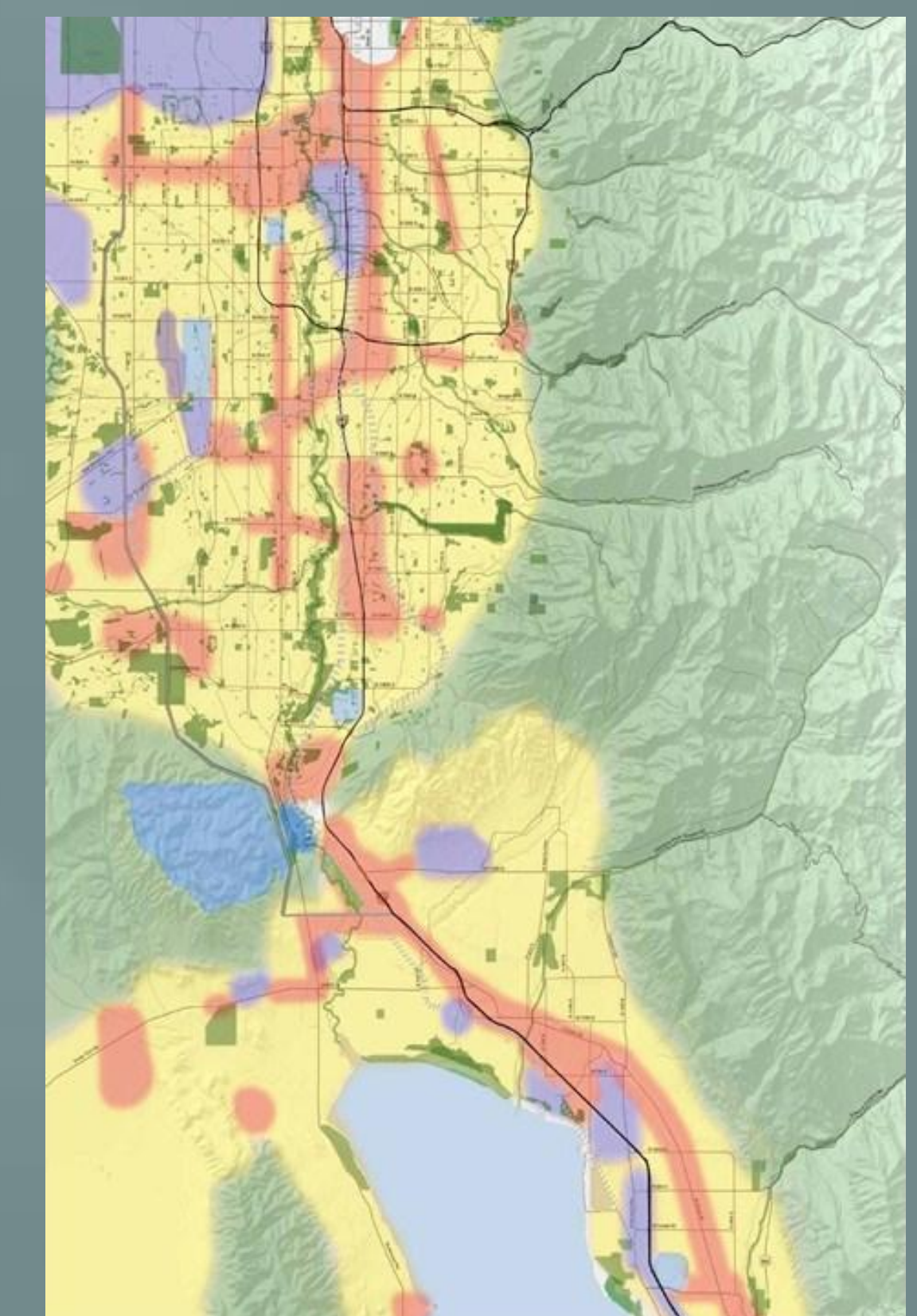


Figure 3. Growth along the Wasatch Front.



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