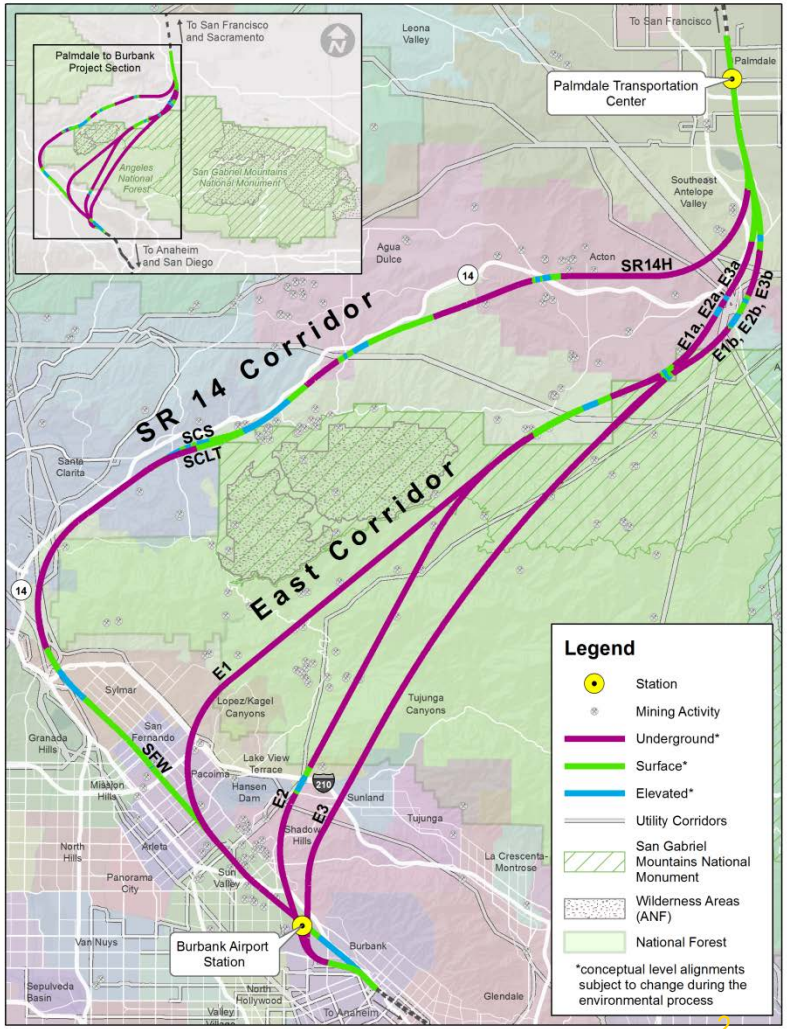
CALIFORNIA
High-Speed Rail Authority

Environmental Considerations

Palmdale to Burbank Route Concepts

- Two Corridors:
  - » SR 14 Corridor
  - » East Corridor
- Two Stations:
  - » Palmdale (Antelope Valley)
  - » Burbank (San Fernando Valley)
- Multiple Alignment Options
  - » Refinement Process Ongoing

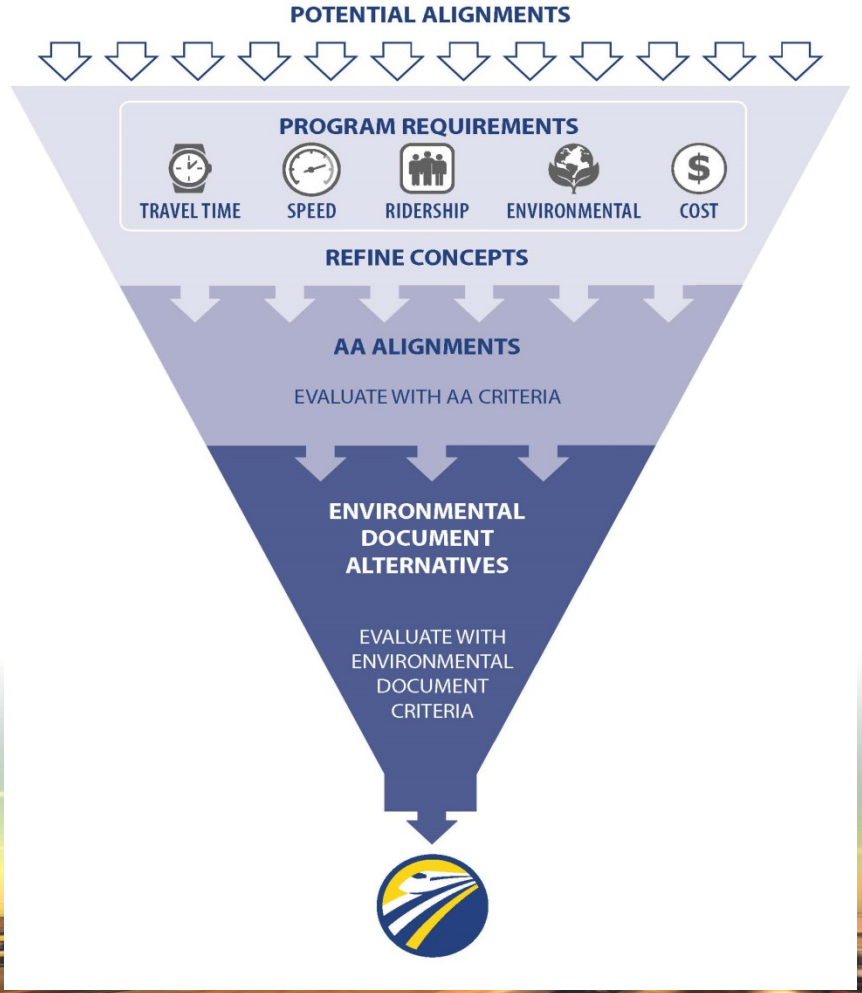


CALIFORNIA High-Speed Rail Authority

ENVIRONMENTAL PLANNING PROCESS

CALIFORNIA
High-Speed Rail Authority

ALTERNATIVES SCREENING PROCESS



CALIFORNIA High-Speed Rail Authority

KEY CONSIDERATIONS

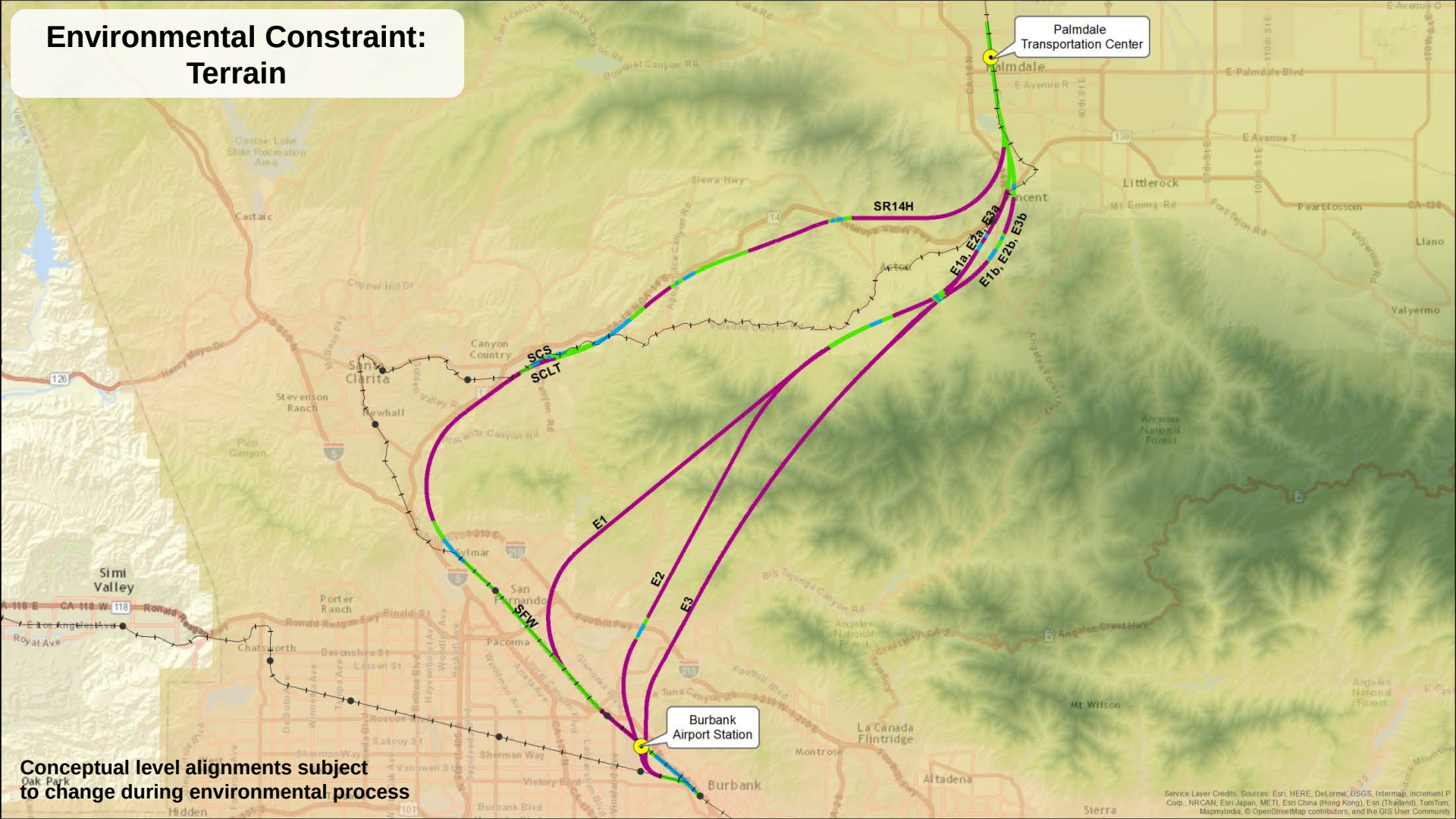
Alternatives Analysis

- Design Objectives
- Land Use
- Disruption to Communities
- Environmental Resources
- Agency and Public Input

Environmental Document

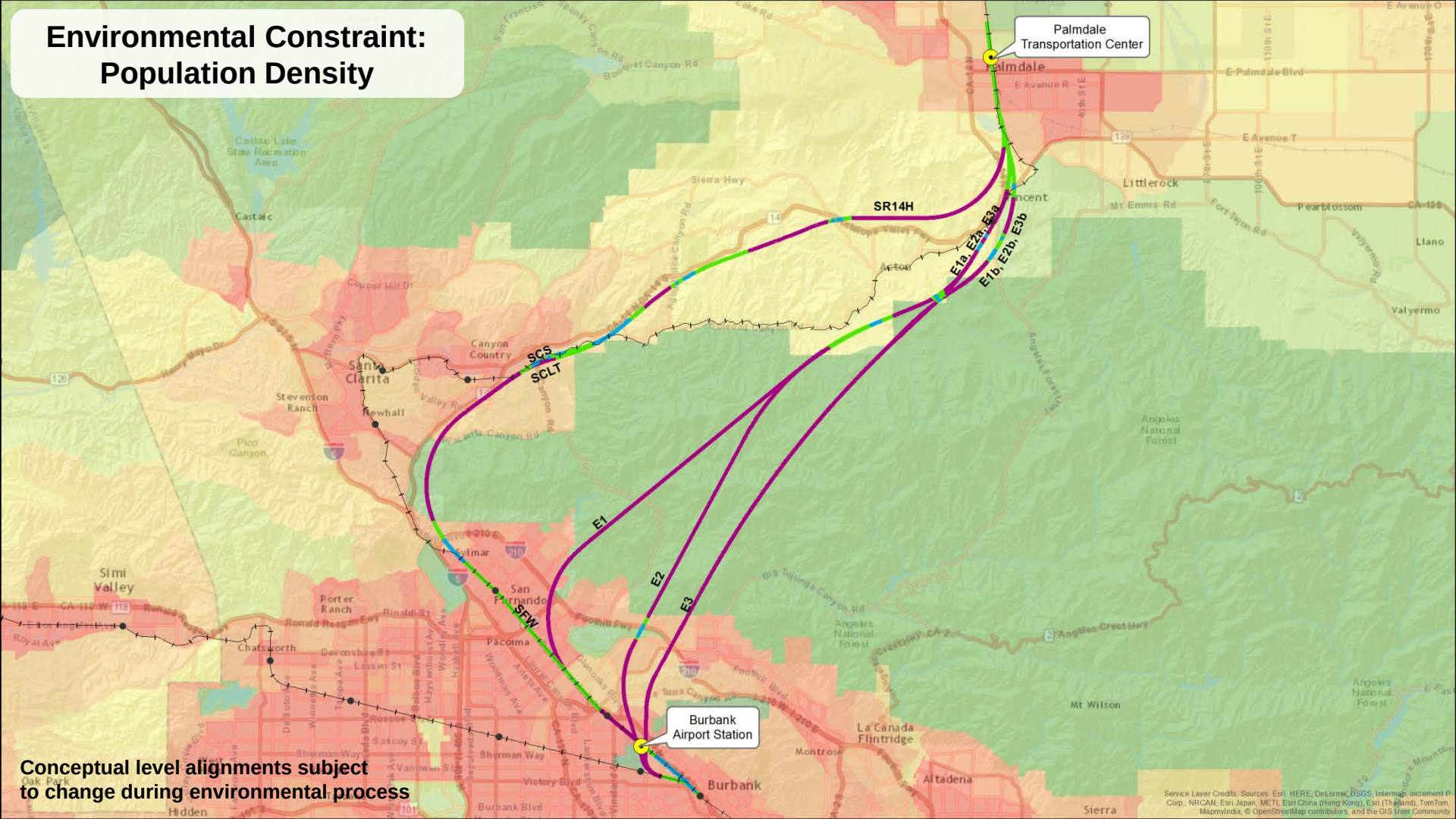
- Aesthetics & Visual Quality
- Agricultural, Farm & Forest Land
- Air Quality & Global Climate Change
- Biological Resources & Wetlands
- Cultural Resources
- Cumulative Impacts
- Electromagnetic Interference/Fields (EMI/EMF)
- Geology, Soils, Seismicity & Paleontology
- Hazardous Materials & Wastes
- Hydrology & Water Resources
- Station Planning, Land Use & Development
- Noise & Vibration
- Parks, Recreation & Open Space
- Public Utilities & Energy
- Regional Growth
- Safety & Security
- Socioeconomics & Communities
- Environmental Justice
- Transportation
- Section 4(f) & Section 6(f) Evaluations

Environmental Constraint: Terrain



Conceptual level alignments subject to change during environmental process

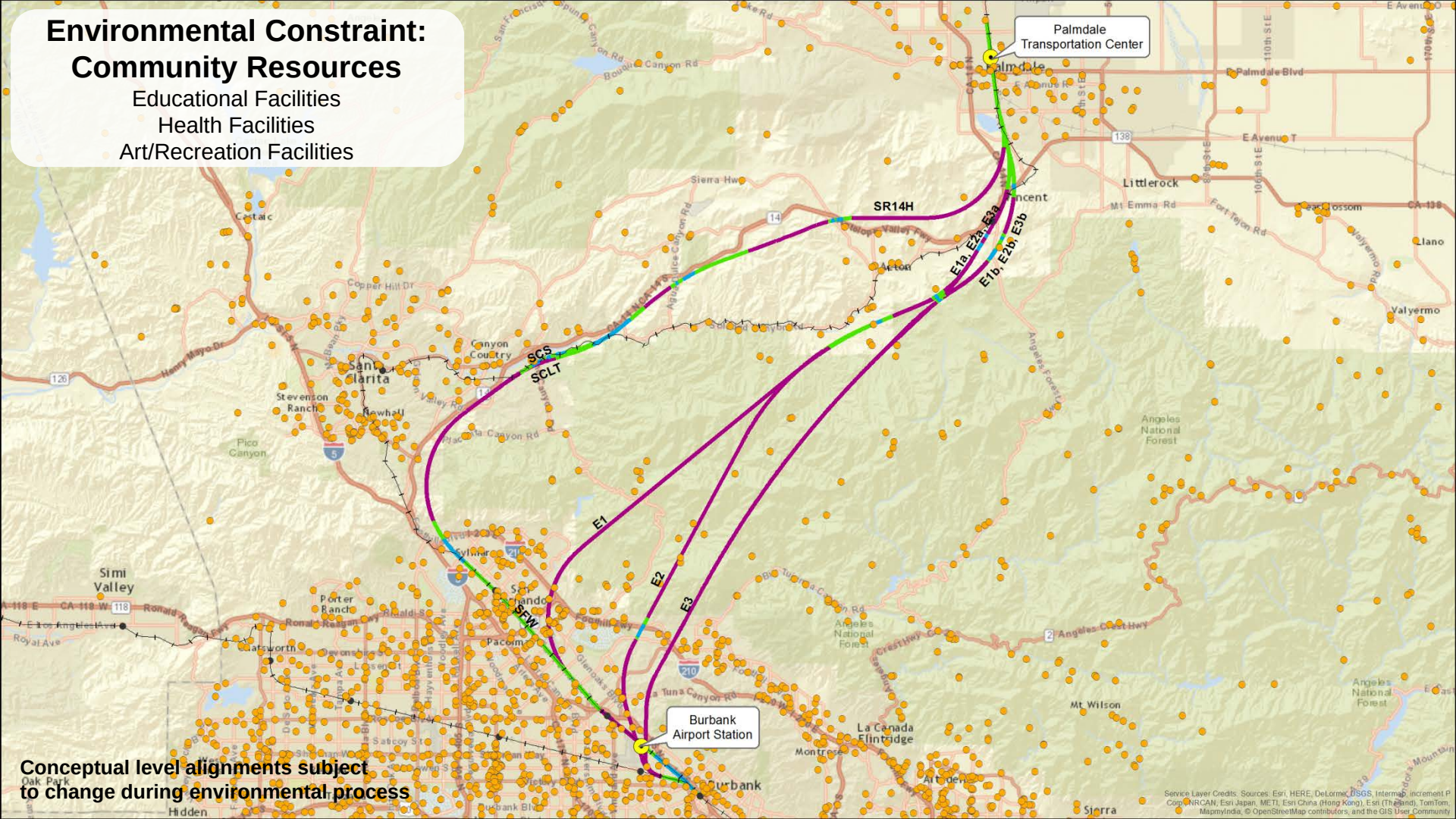
Environmental Constraint: Population Density



Conceptual level alignments subject to change during environmental process

Environmental Constraint: Community Resources

Educational Facilities
Health Facilities
Art/Recreation Facilities



Conceptual level alignments subject to change during environmental process

Environmental Constraint: Forest Areas

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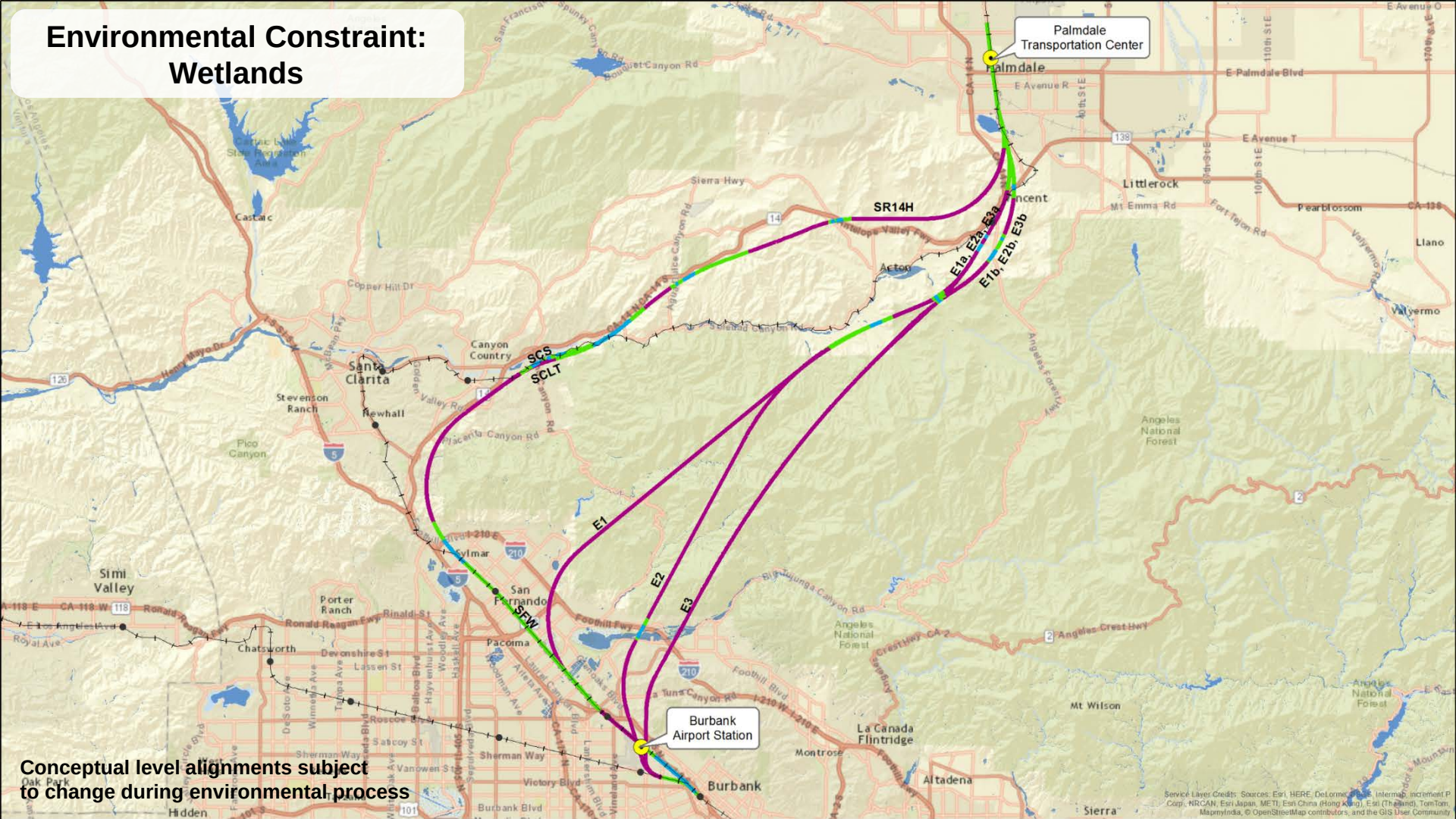
Environmental Constraint: Wetlands



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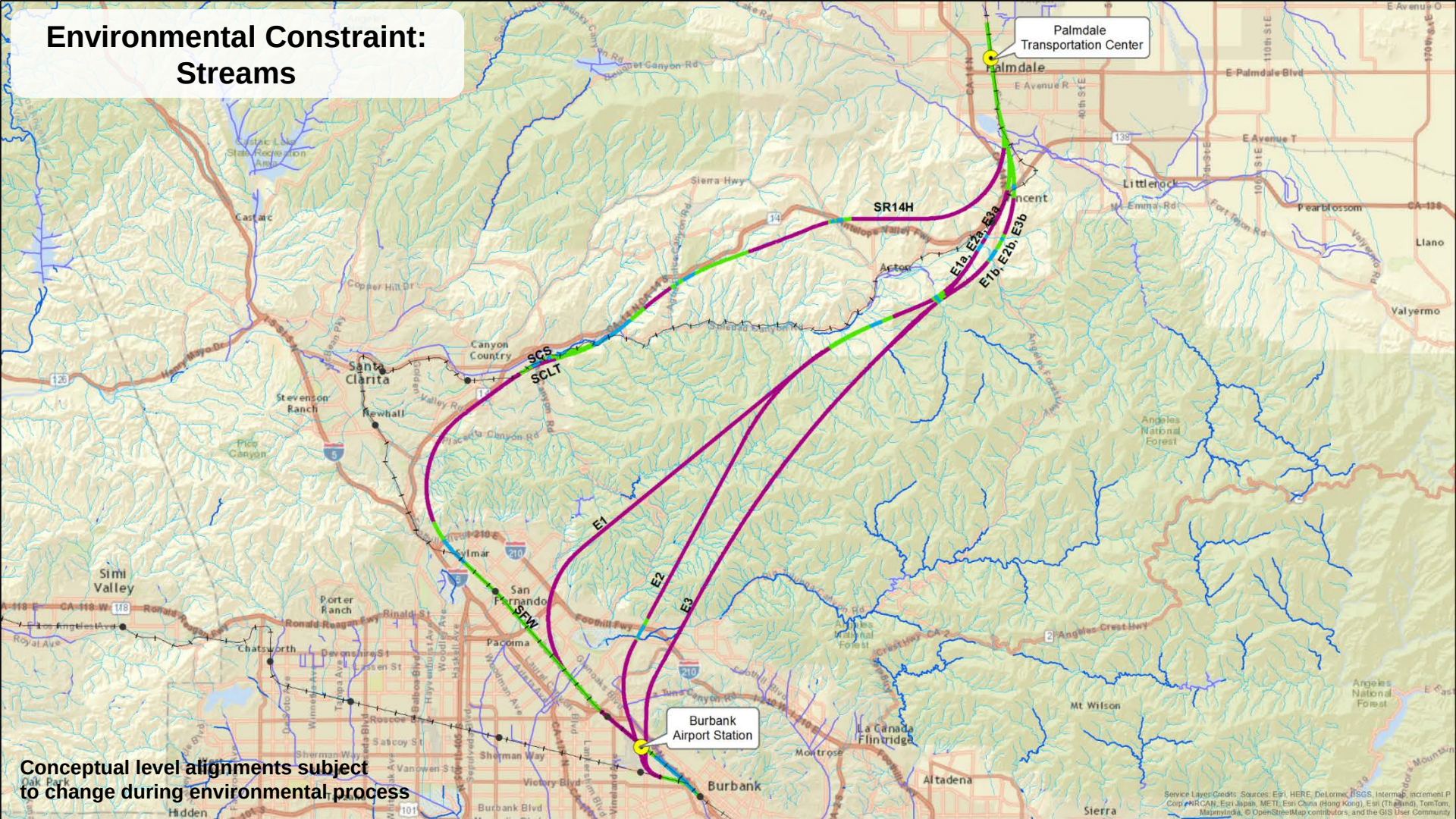
Environmental Constraint: Streams



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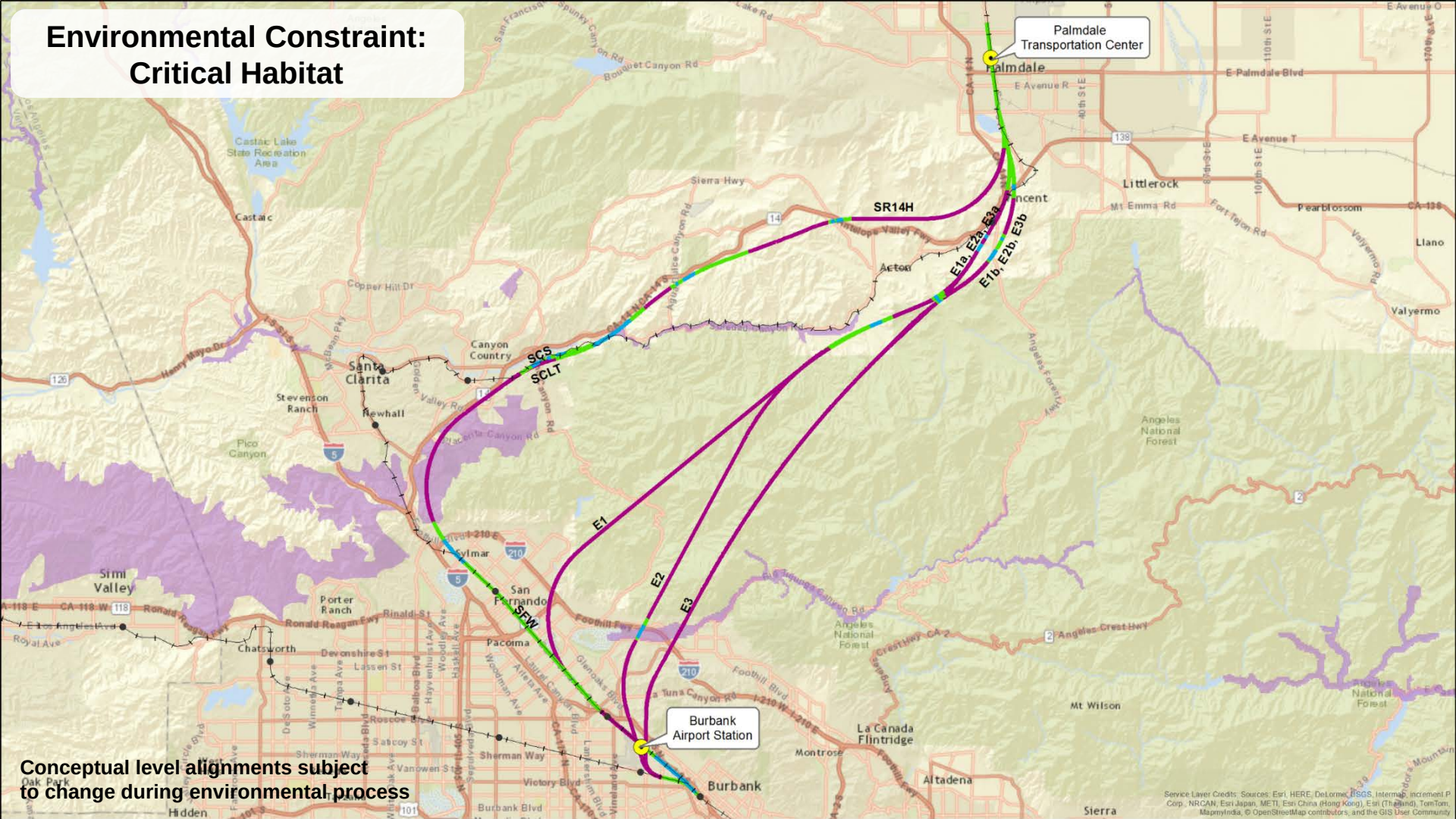
Environmental Constraint: Critical Habitat



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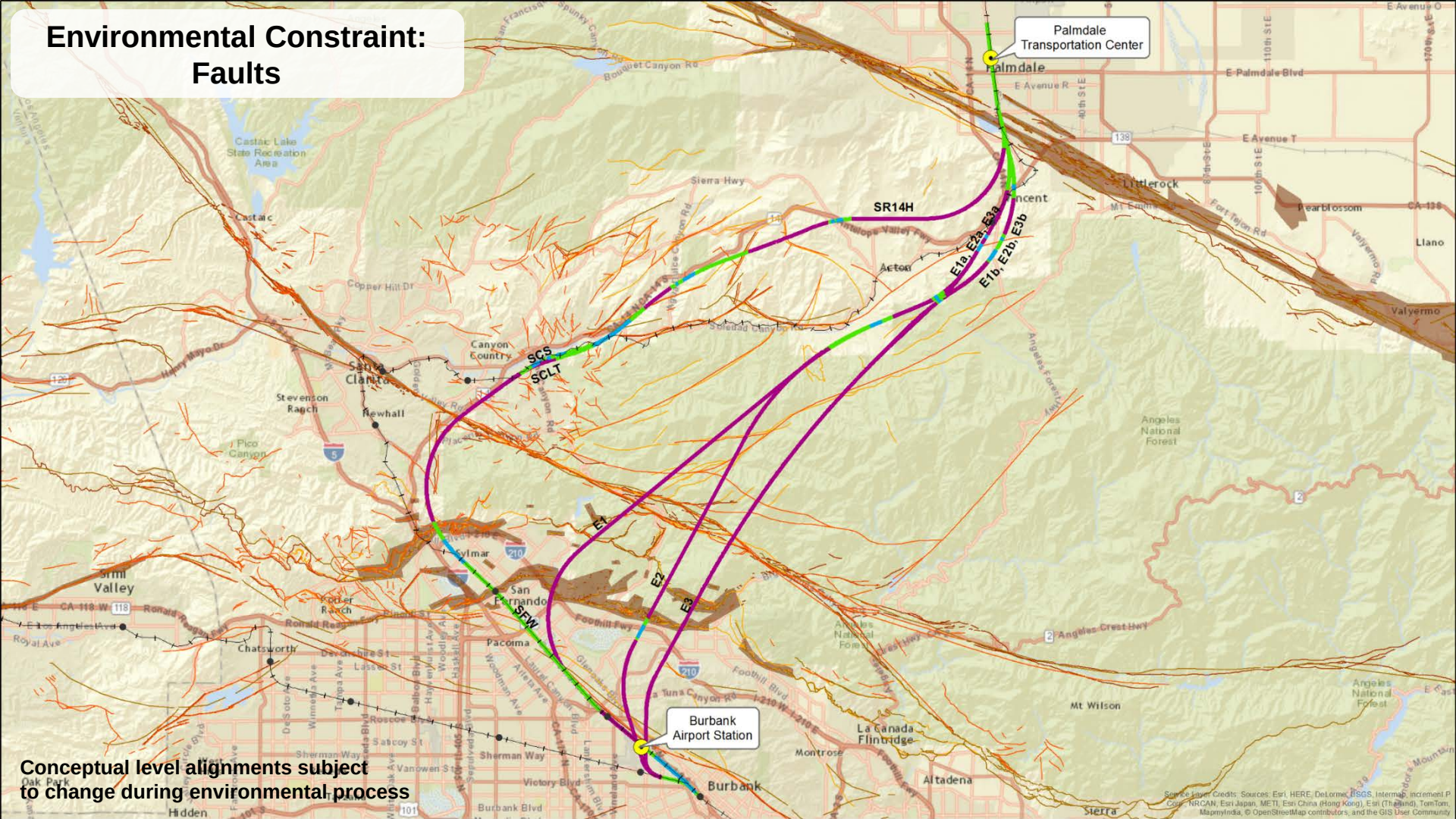
Environmental Constraint: Faults



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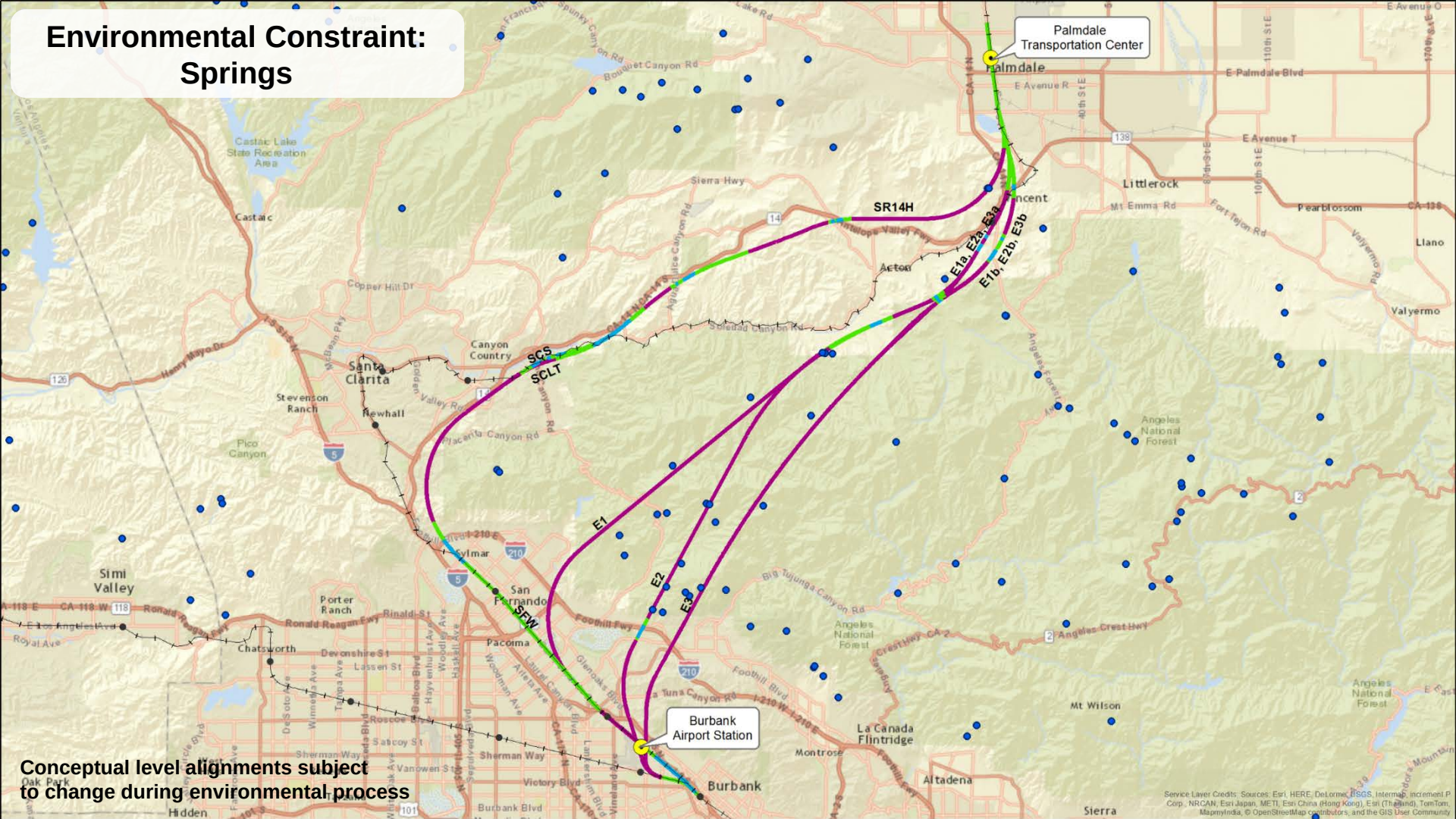
Environmental Constraint: Springs



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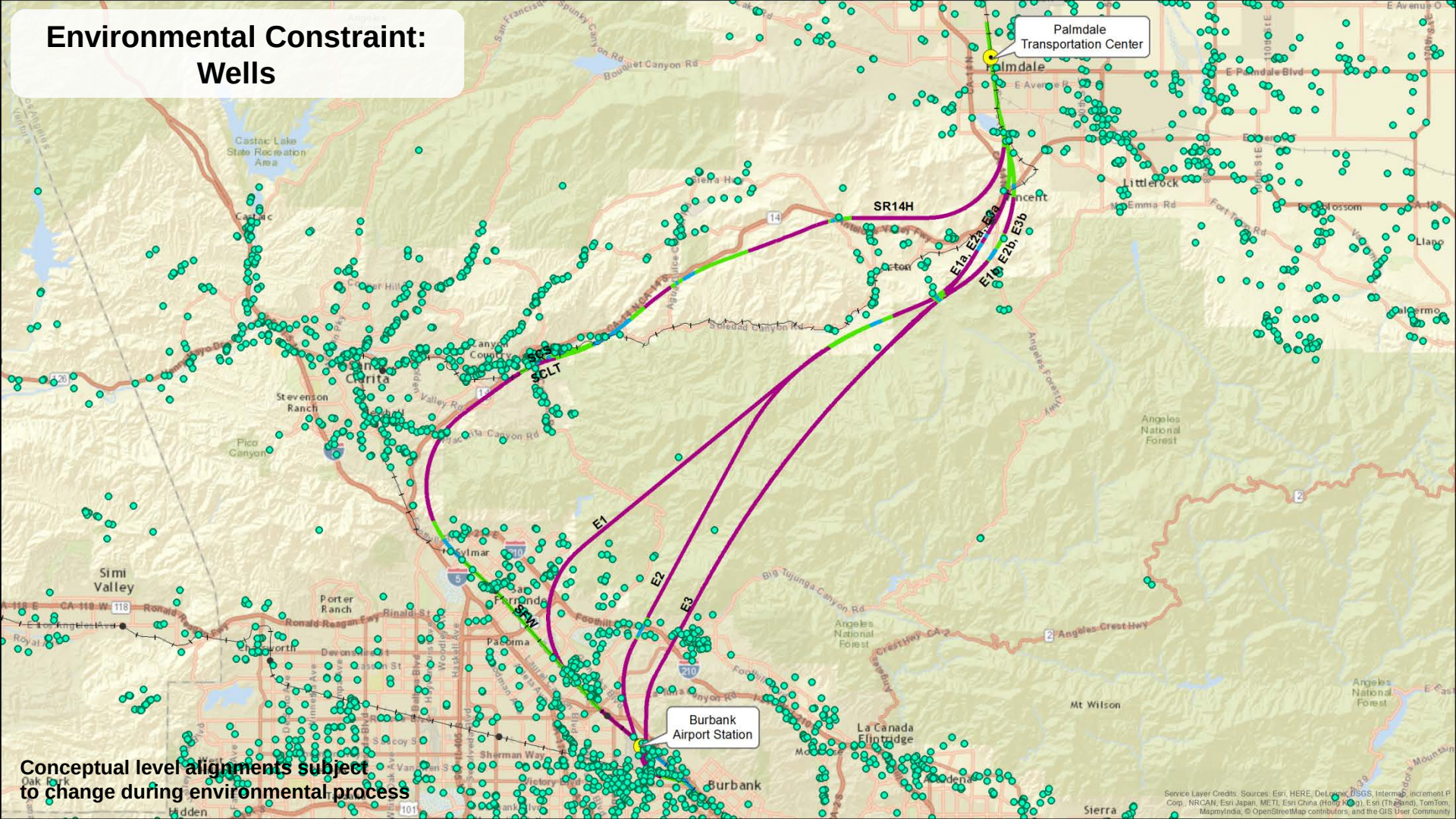
Environmental Constraint: Wells



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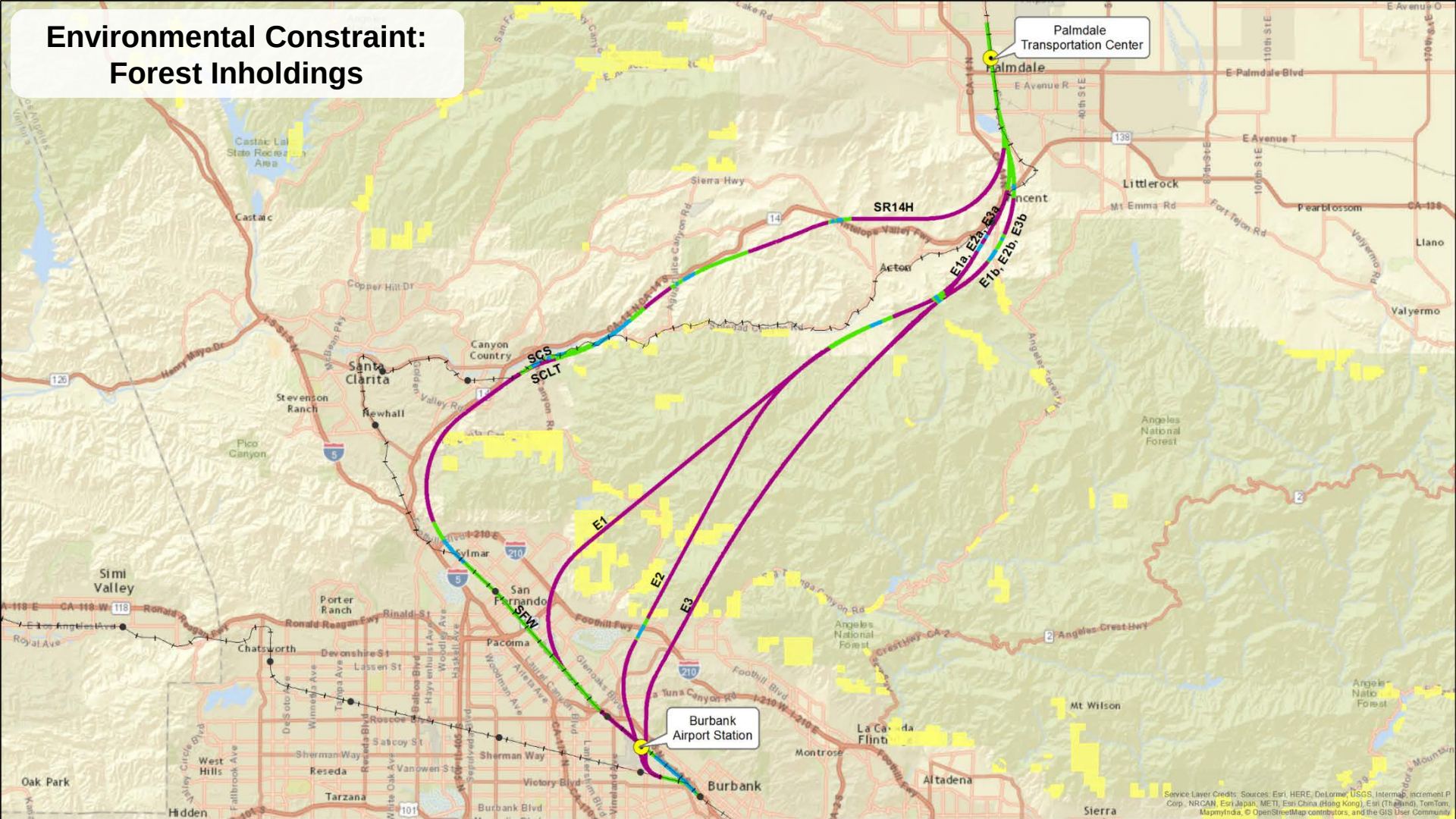
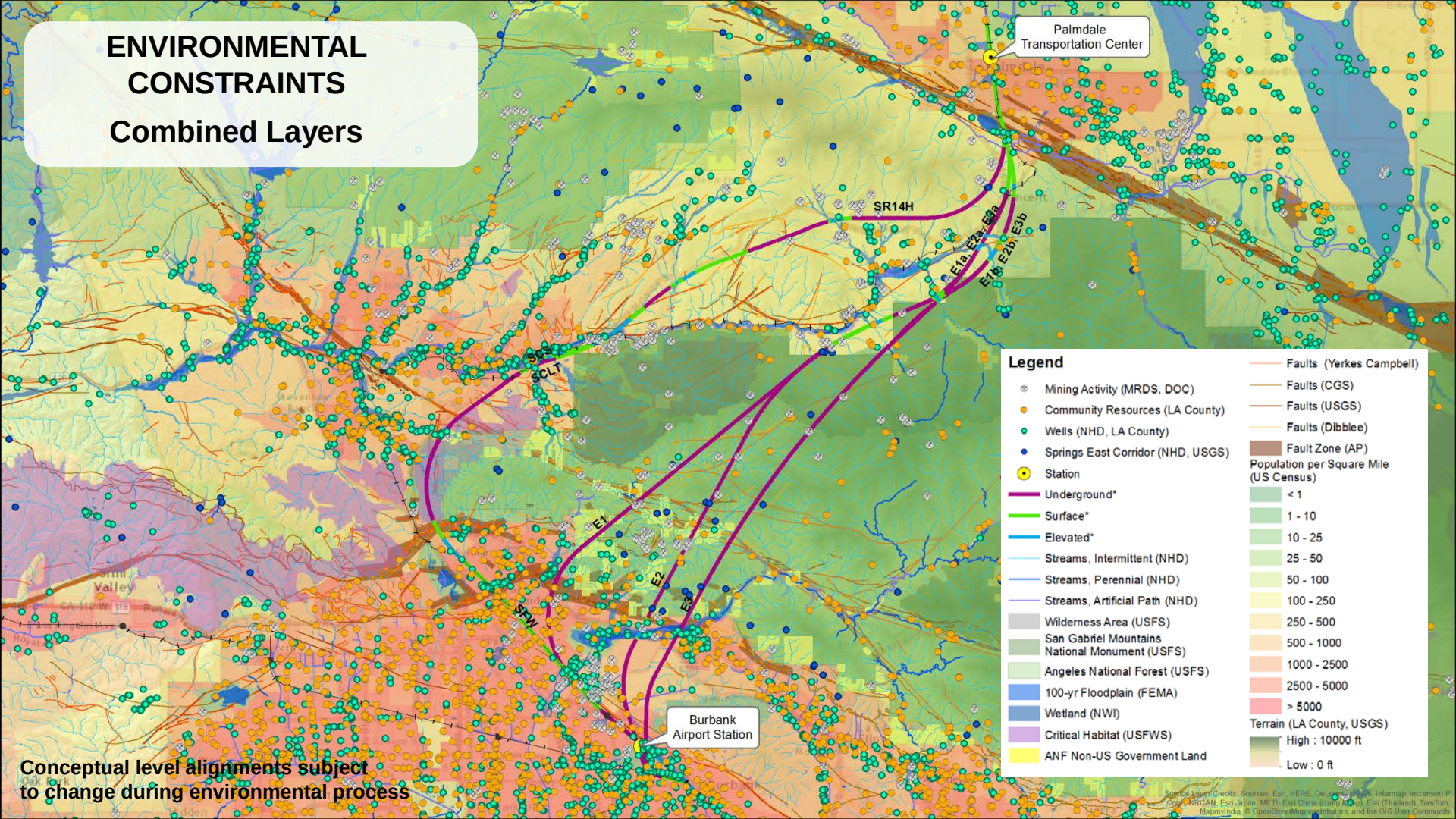
Environmental Constraint: Mines

Environmental Constraint: Forest Inholdings



ENVIRONMENTAL CONSTRAINTS

Combined Layers



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