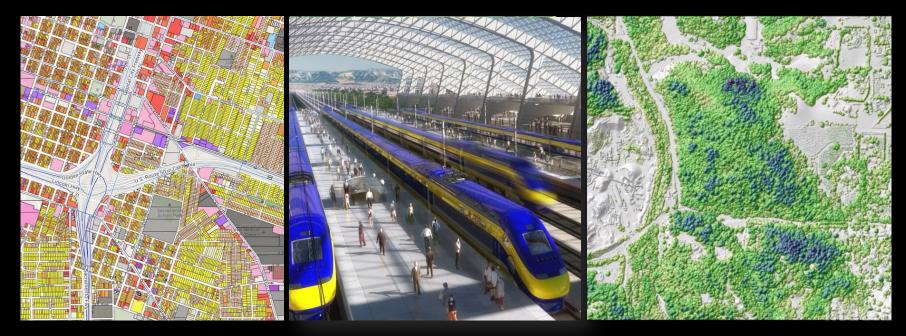
The Green Evolution

Conservation & Urbanism in Scenario Planning



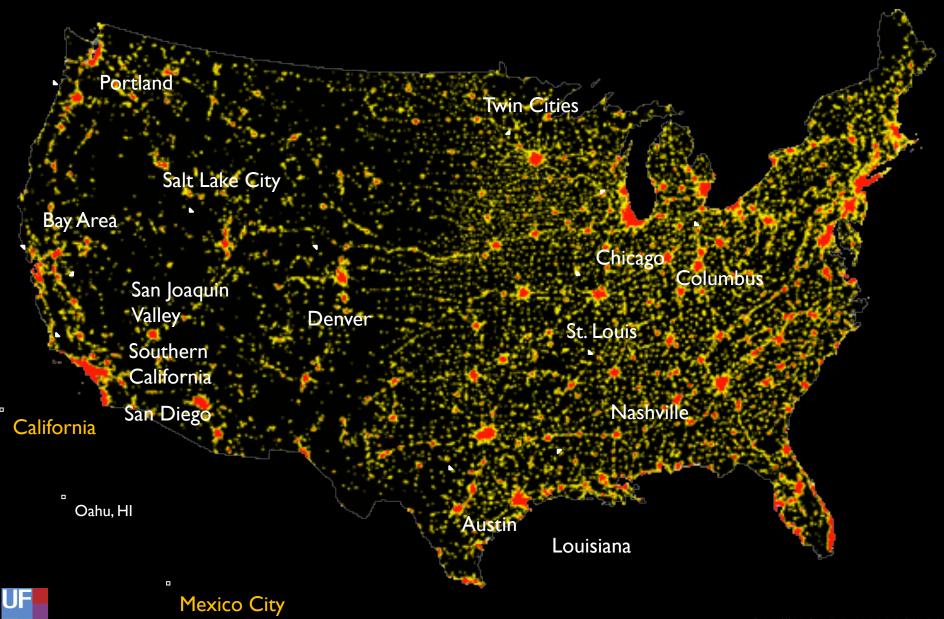
New Partners for Smart Growth – Baltimore 2015 31 January 2015

CALTHORPE ANALYTICS

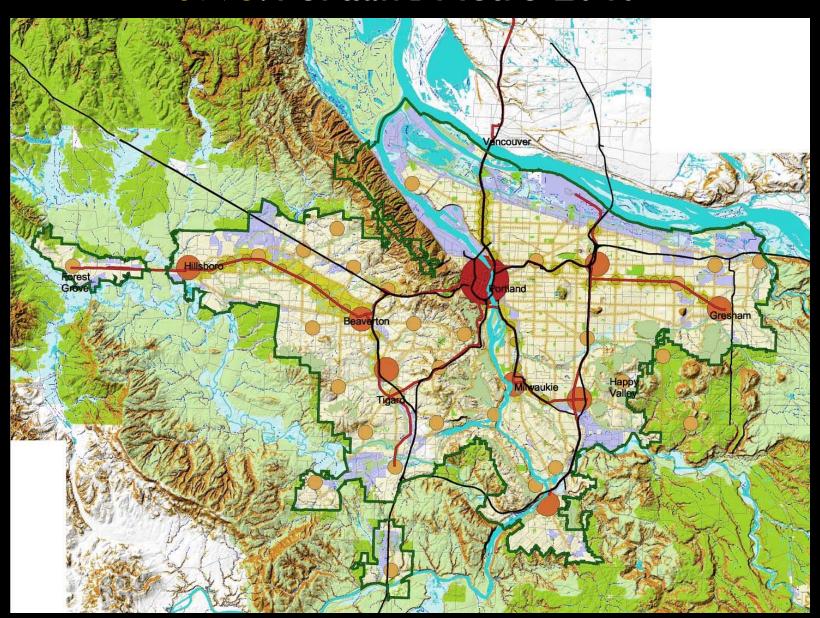
Joe DiStefano



Scenario Planning Across North America

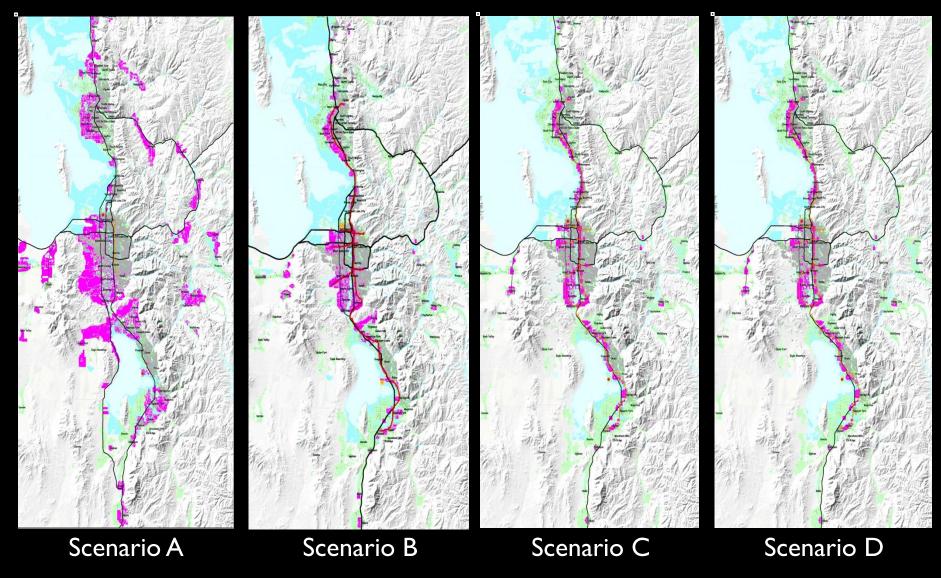


1993: Portland Metro 2040





1999: Envision Utah





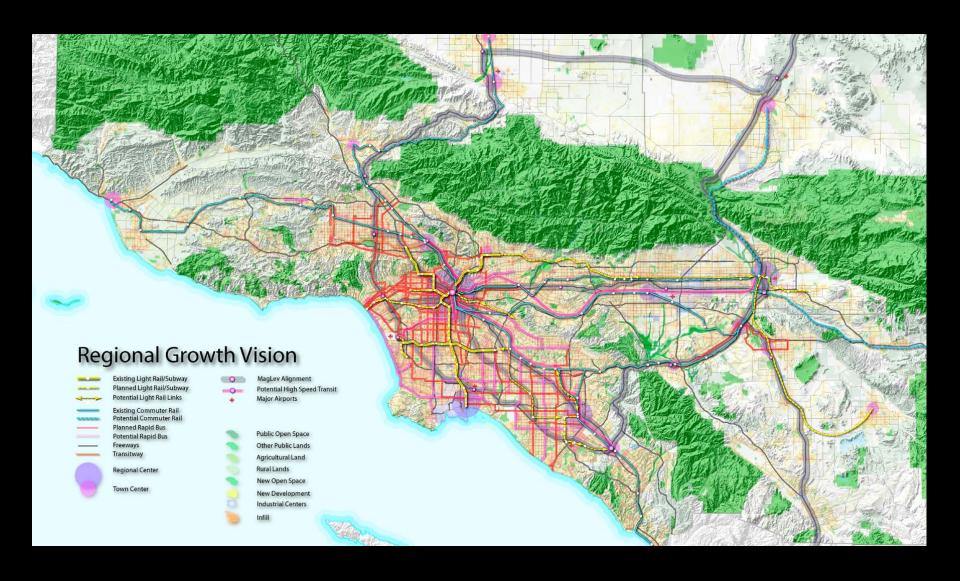
1999: Envision Utah

Quality Growth Strategy



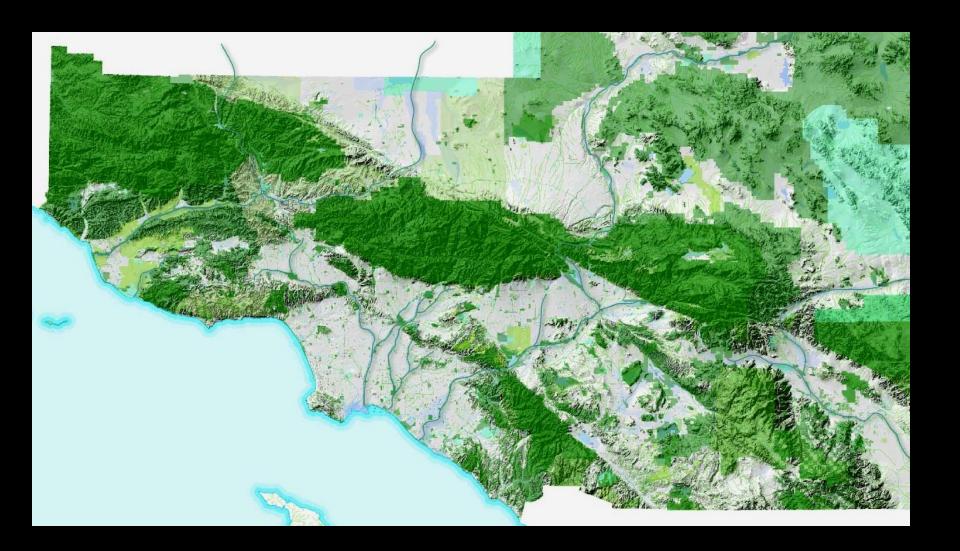


2003: Southern California Regional Vision



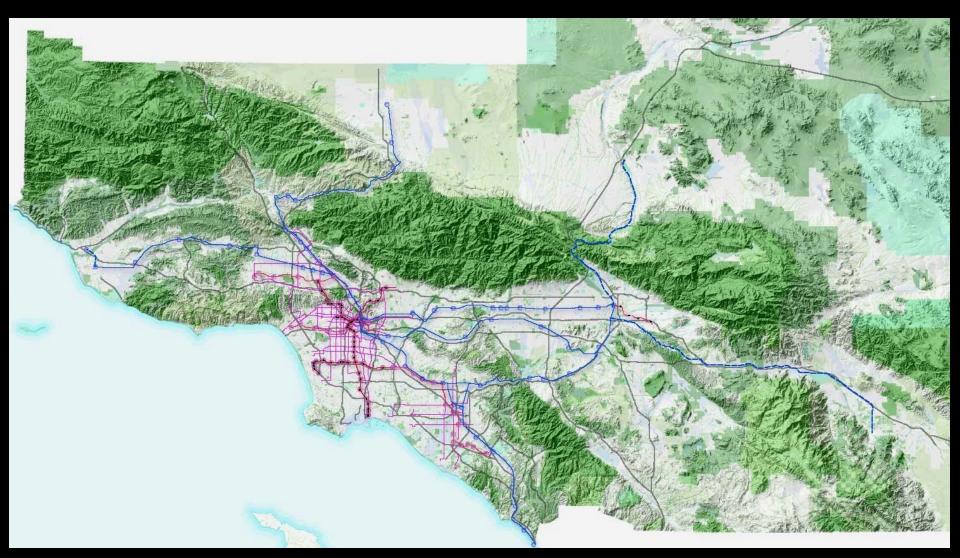


2003: Southern California Regional Vision



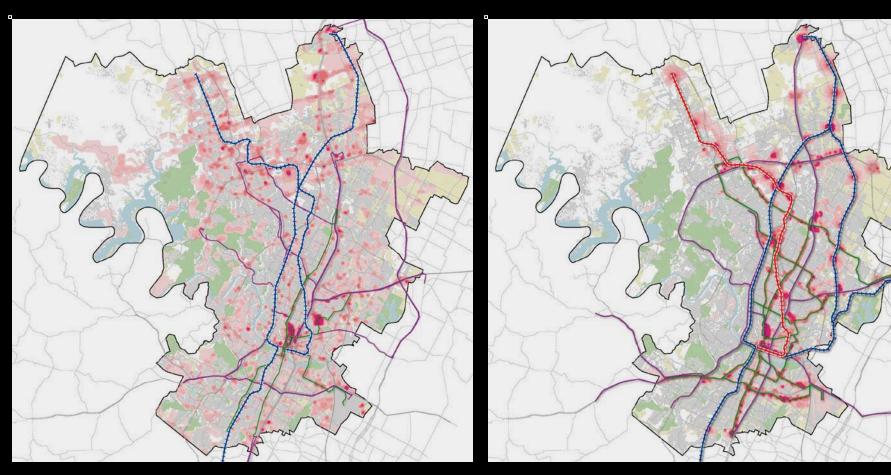


2003: Southern California Regional Vision





2004: Envision Central Texas



Base Case Scenario

Vision Scenario

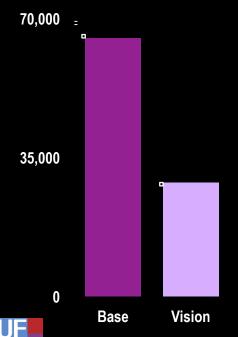


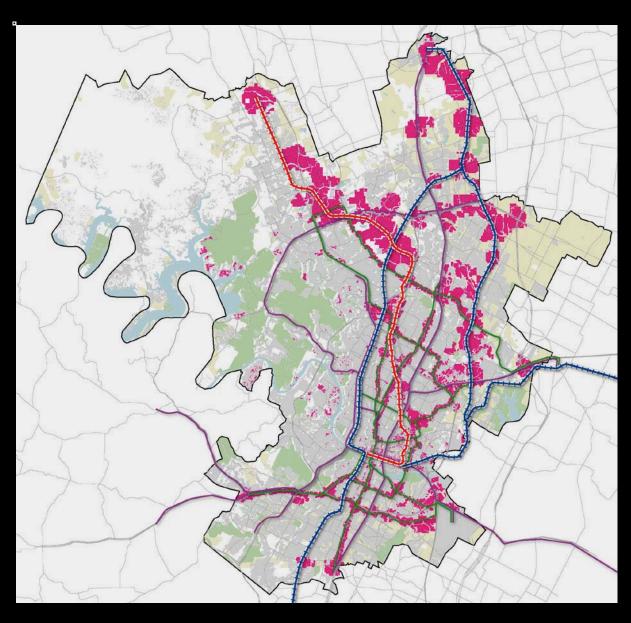
2004: Envision Central Texas

Base Case 2030 65,000 Acres

Vision 2030

28,600 Acres





2004: Envision Central Texas

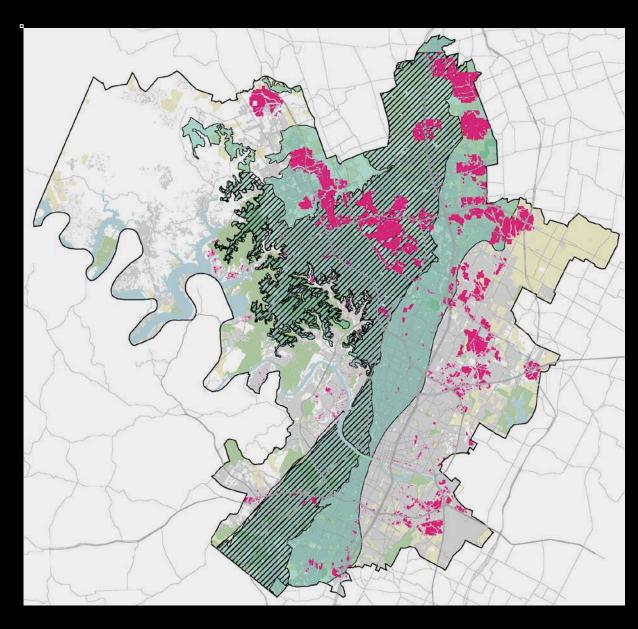
Base Case 2030

Aquifer: 34,400 Acres Recharge: 18,500 Acres

Vision 2030

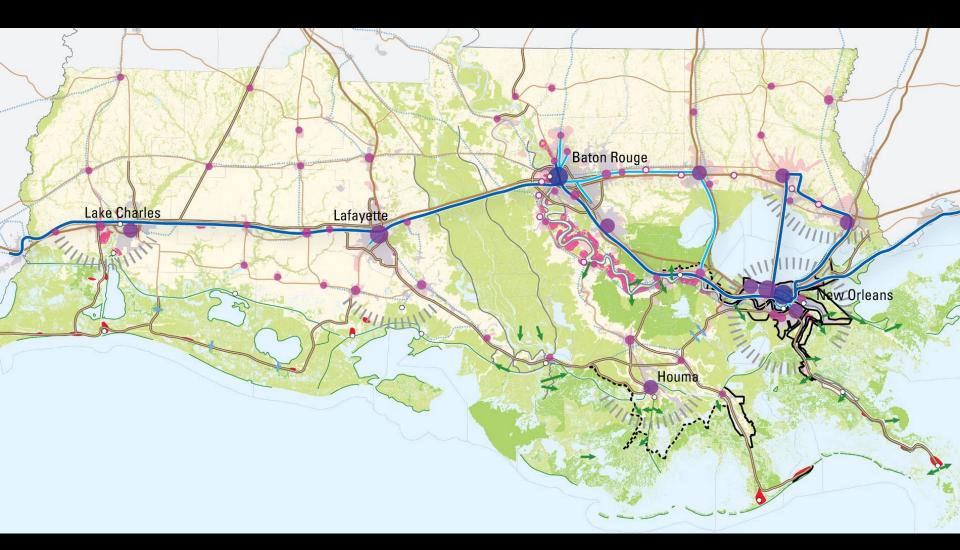
Aquifer: 18,500 Acres

Recharge: 8,500 Acres





2007: Louisiana Speaks





2007: Louisiana Speaks

Focus on Centers Reinvestment





2007: Louisiana Speaks

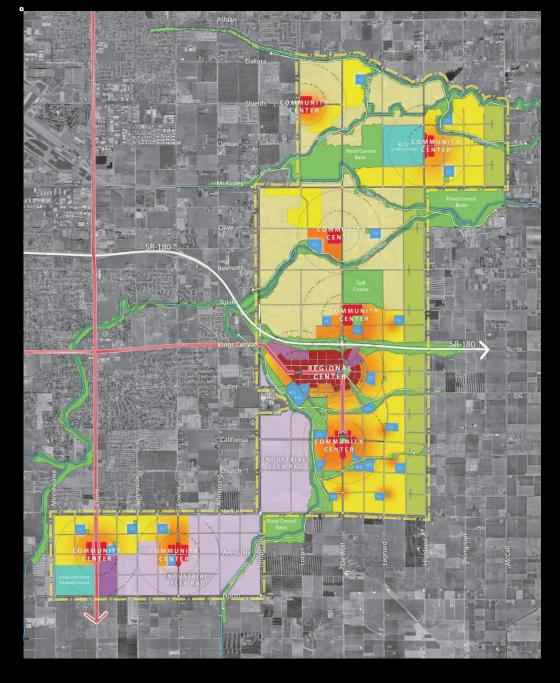
Foundation of Protection & Restoration





2008 Fresno Southeast Growth Area







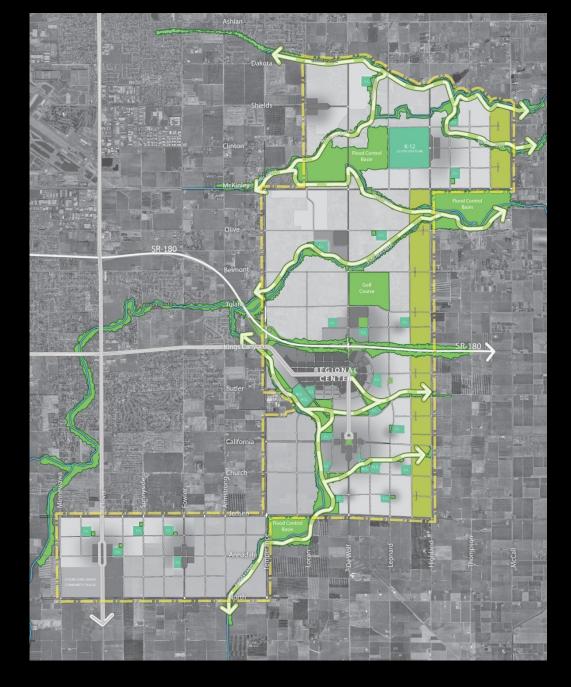
Open Space

Green Corridors & Neighborhood Parks

Schools

Rural Cluster

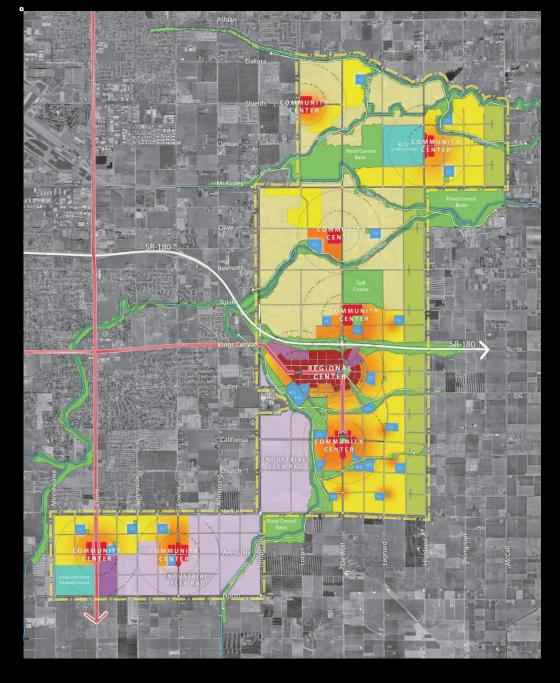
Bike/Pedestrian
Trails





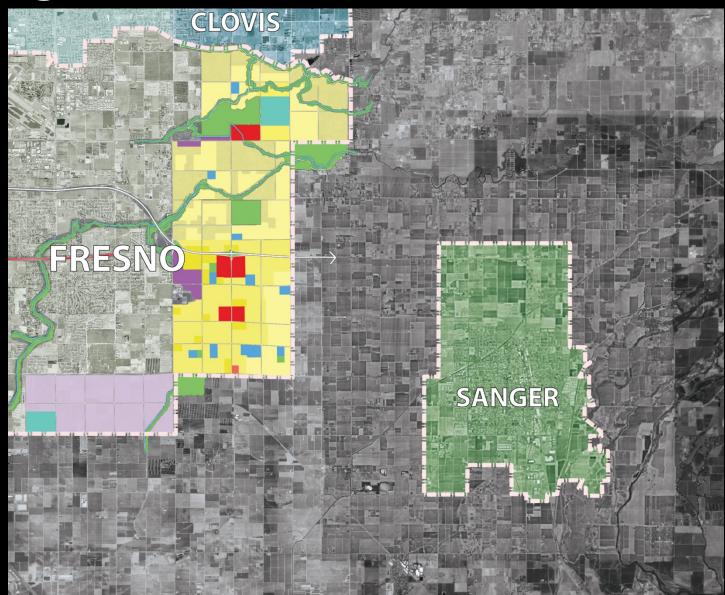
2008 Fresno Southeast Growth Area





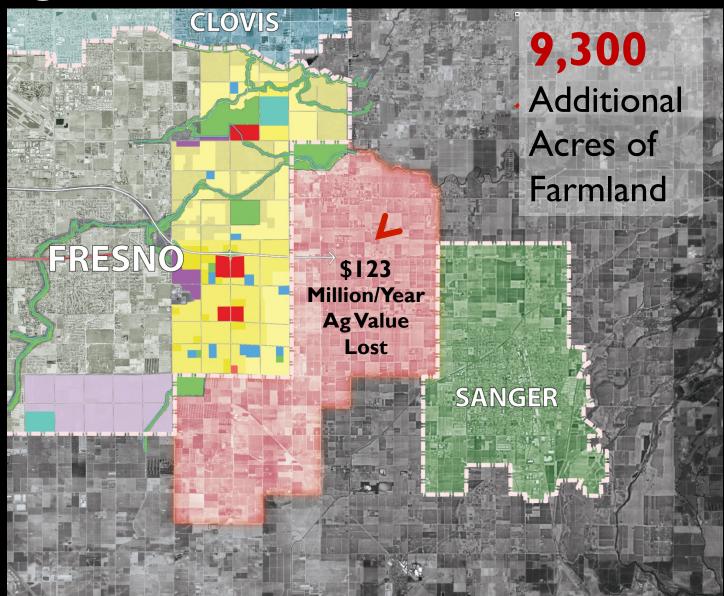


Zoning Alternative





Zoning Alternative





2011: Oahu Transit Oriented Development





20 | : Oahu Transit Oriented Development





2011: Oahu Transit Oriented Development

	Land Consumed Island-Wide	
	2010-2035	2010-2050
Business As Usual	16.3 sq. miles	21.8 sq. miles
Forecast Future	12.4 sq. miles	16.8 sq. miles
Corridor Focus	5.2 sq. miles	7.1 sq. miles



I. Identify Where NOT to Grow



Draw-In Desired Open Space, Green Corridors and Other Significant Areas

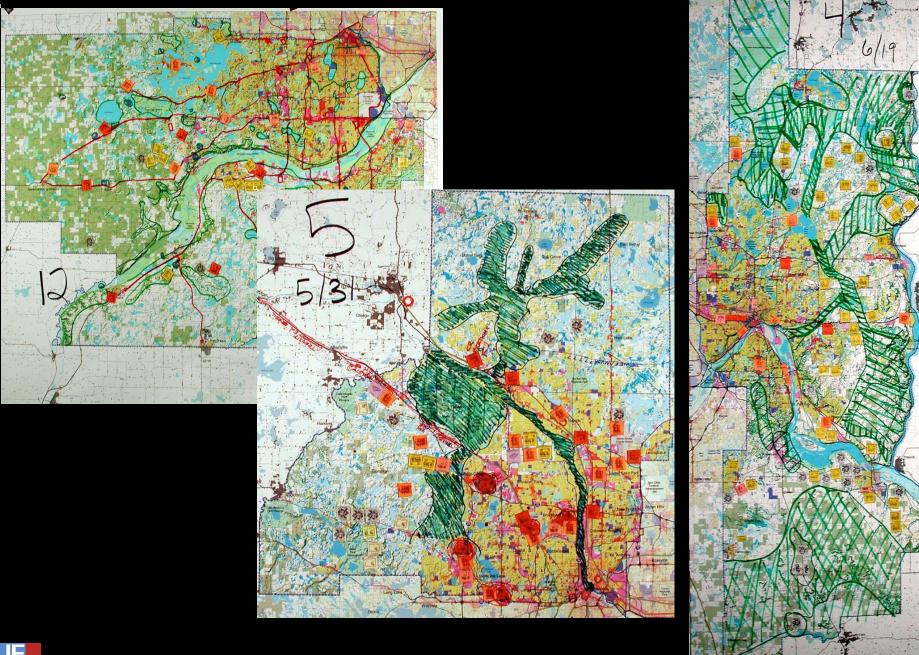














California in 2050



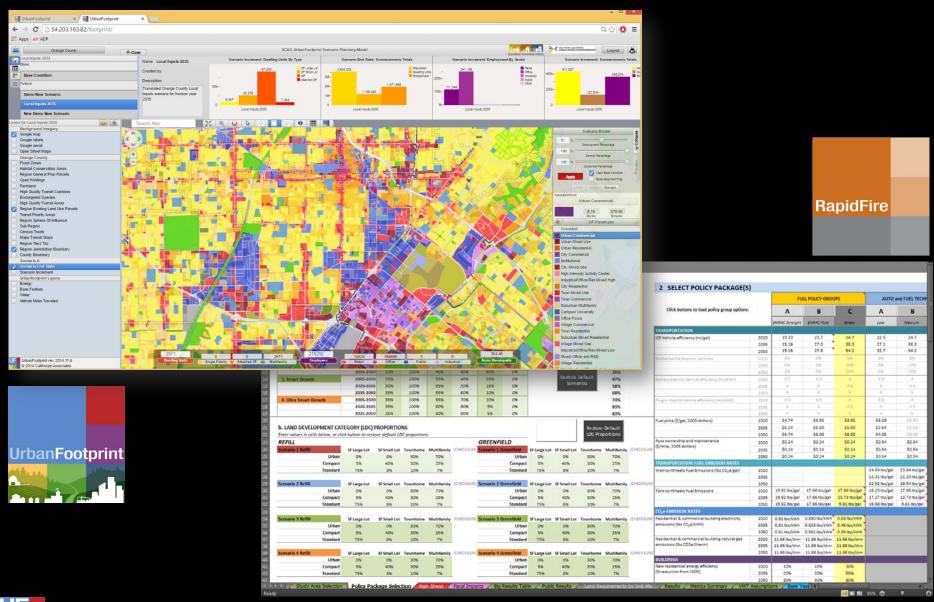


Business as Usual

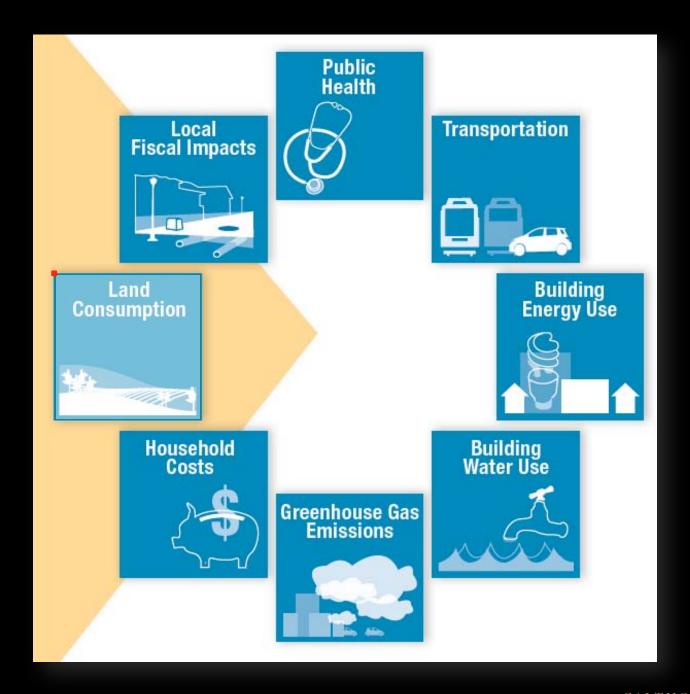
'Growing Smart'



Next Generation Scenario Models









Land Consumed

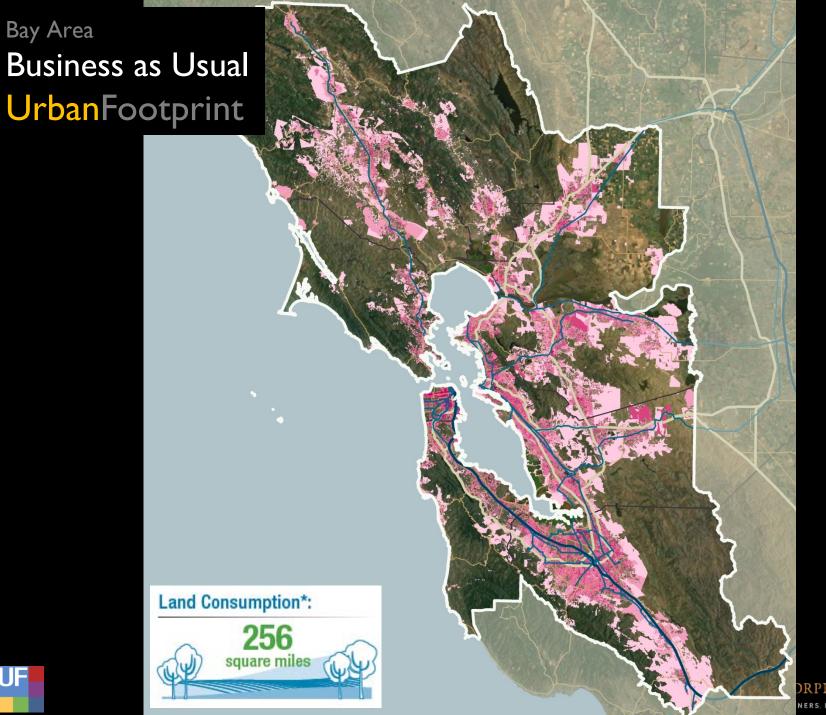
For New Growth to 2050 (mi²)

More land than Delaware and Rhode Island combined



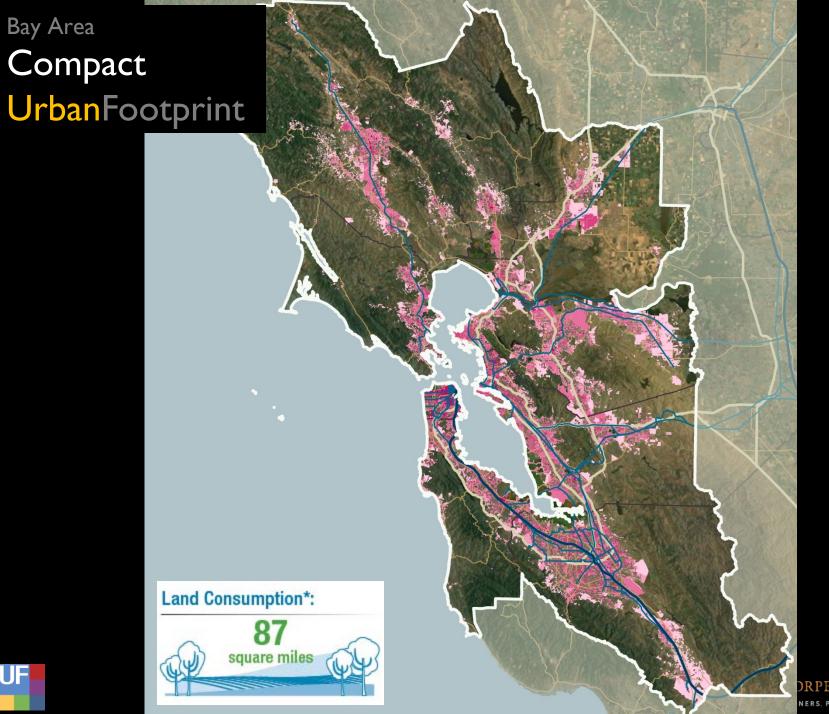






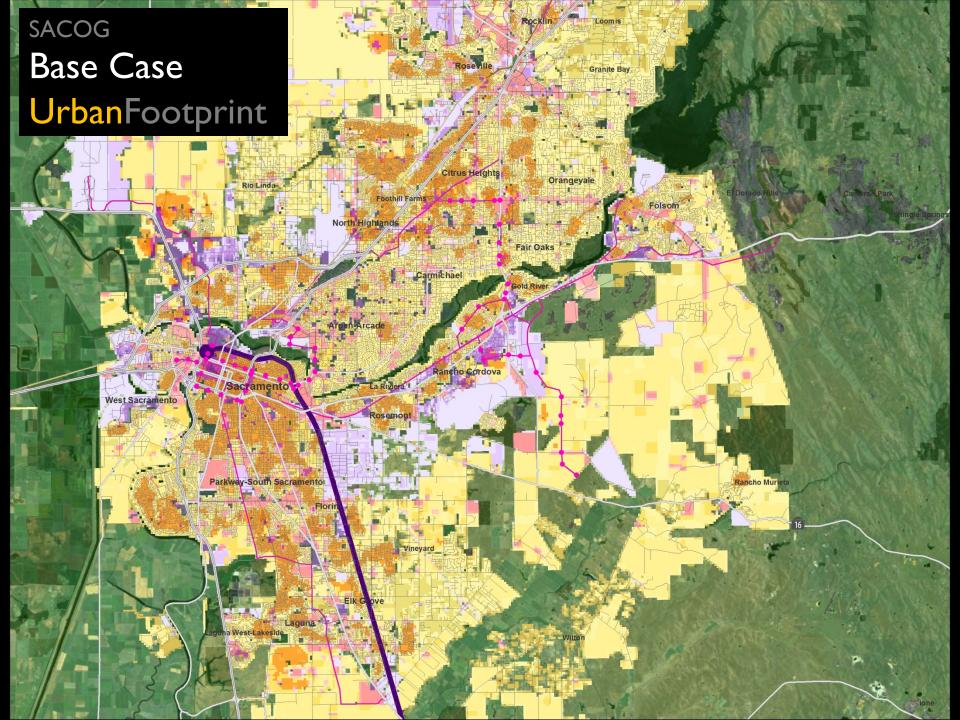


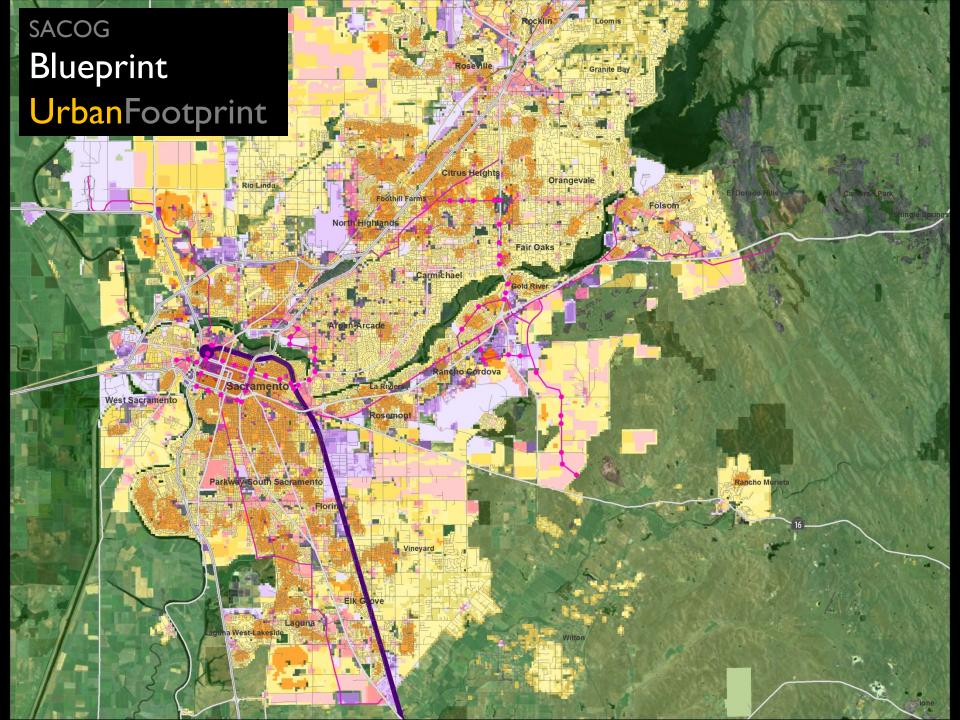
DRPEASSOCIATES NERS, PLANNERS, ARCHITECTS





DRPEASSOCIATES NERS, PLANNERS, ARCHITECTS





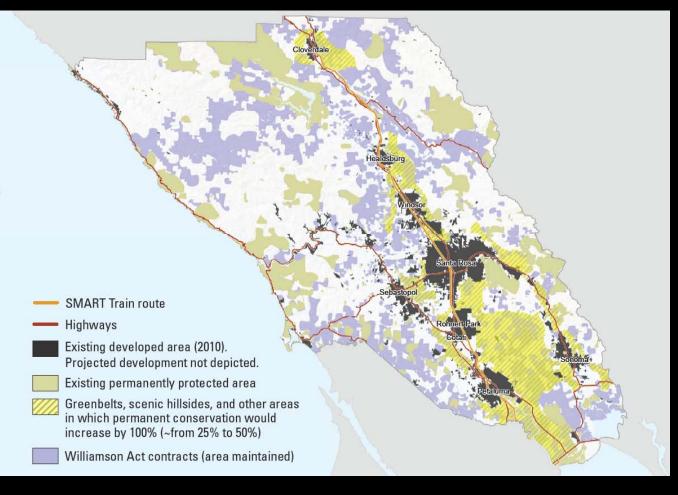
Conservation & California's Cap & Trade Program

Conservation EXPANSION

Increases in funding enable significant increases in land protections throughout the county. By 2035, permanently protected acreage in strategic locations around cities, in greenbelts, and on scenic hillsides doubles. Williamson Act contracts are maintained, as are current UGBs.

This conservation future would support more compact urban growth patterns that meet SCS goals. Most growth would be met within existing UGBs, with strategic development focused around transit. Some greenfield growth would continue, accommodating mainly smaller-lot single family homes.

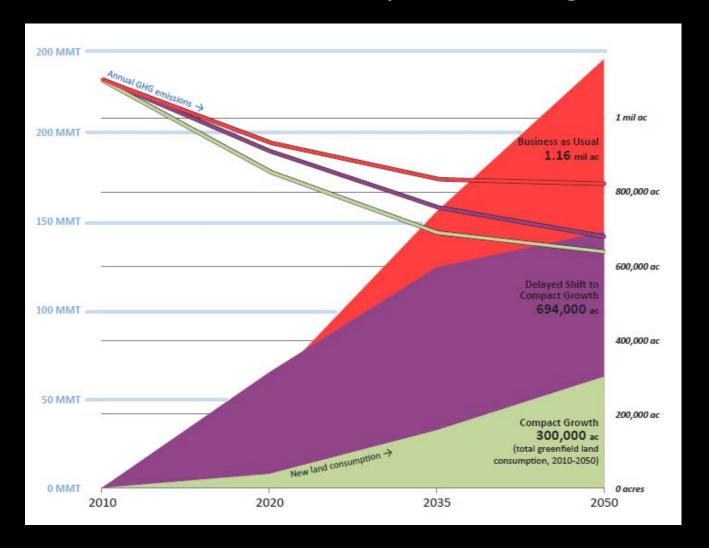
Map date: 02 May 2013
Existing developed area: FMMP, 2010.
Land conservation data: Sonoma County Agricultural
Preservation and Open Space District, 2013.





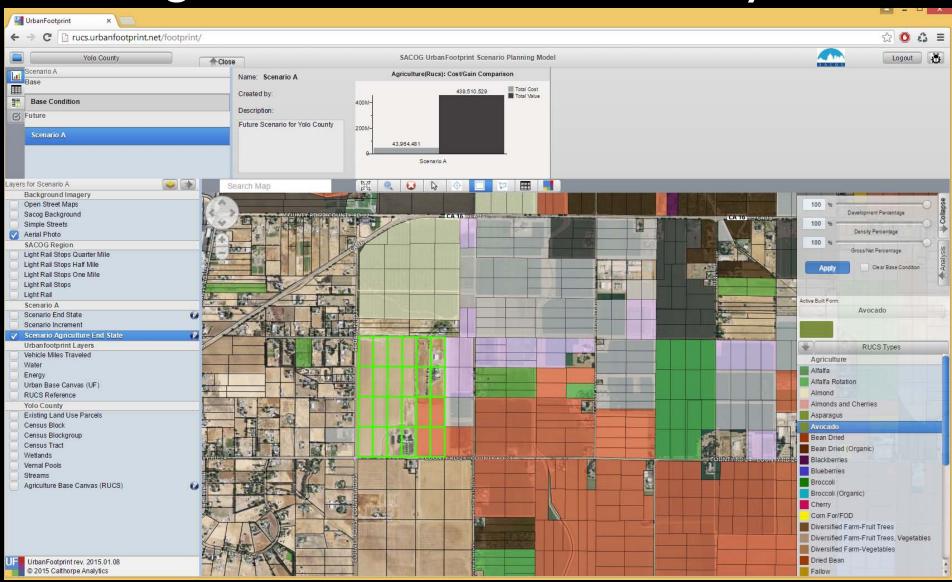
Conservation & California's Cap & Trade Program

GHG Emissions & Land Consumption – Making the Nexus



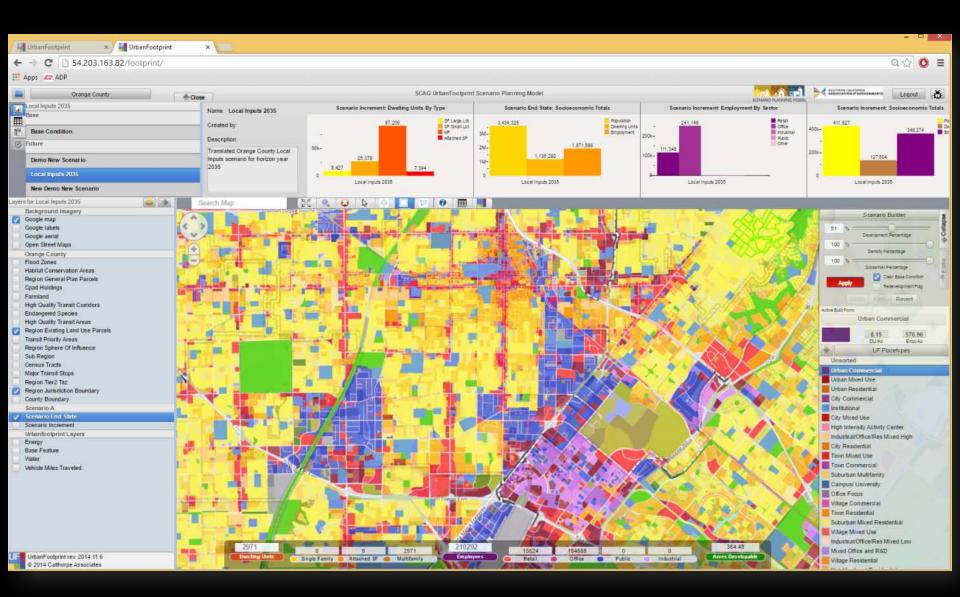


Agriculture Scenarios & Analysis



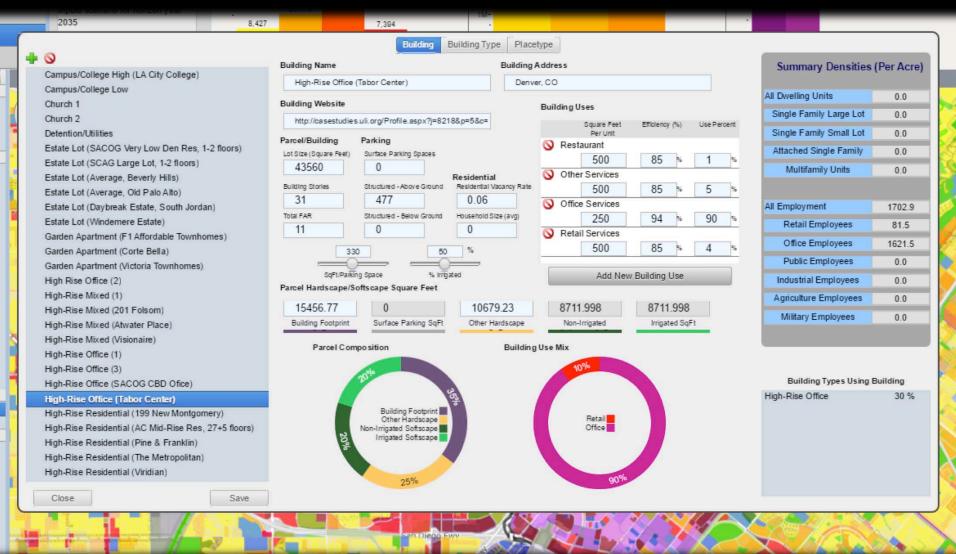


Urban Framework...



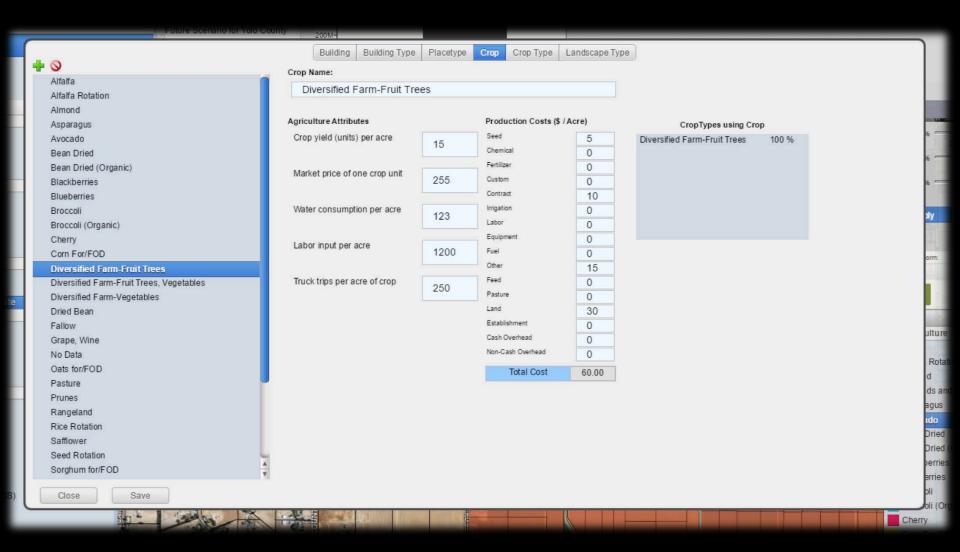


... Urban Building and Place Types



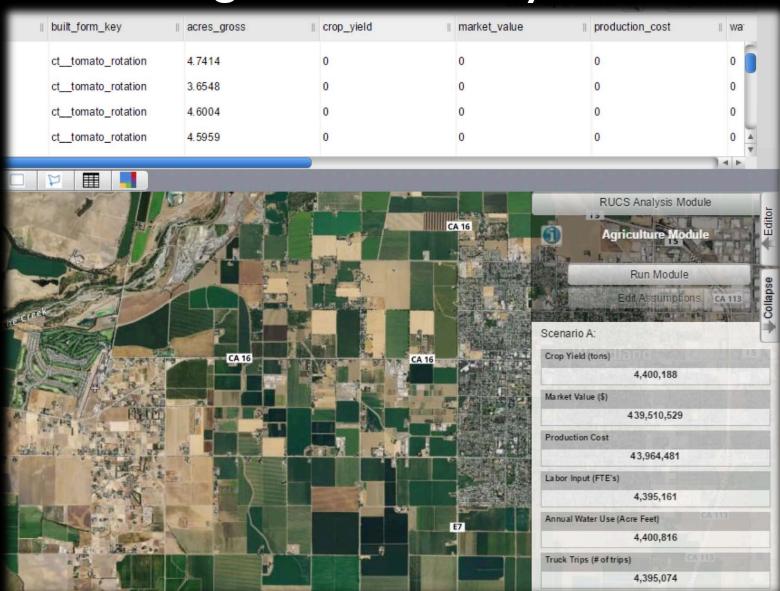


Agriculture Crops & Crop Types



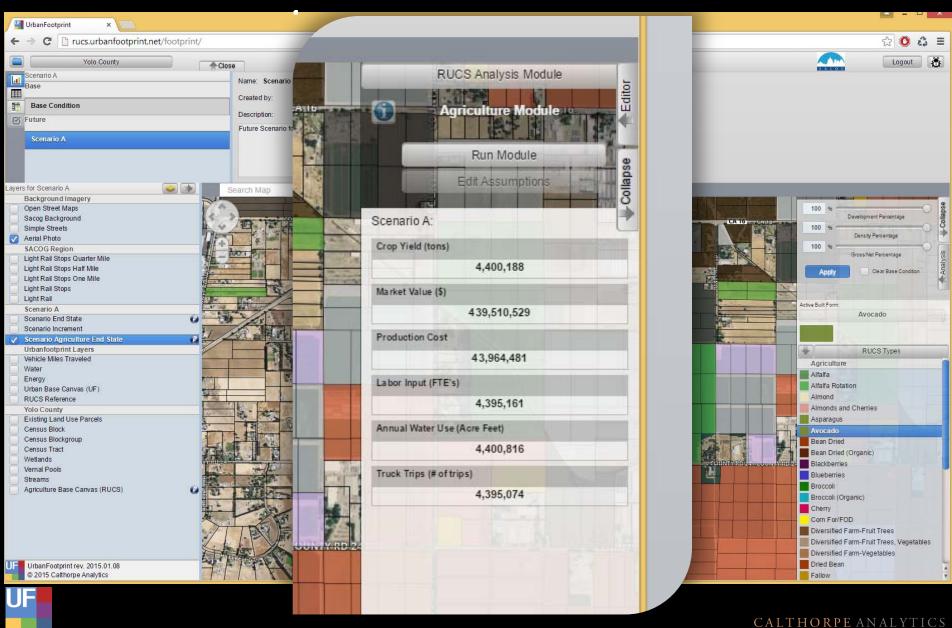


Agriculture Analysis





Agriculture Analysis

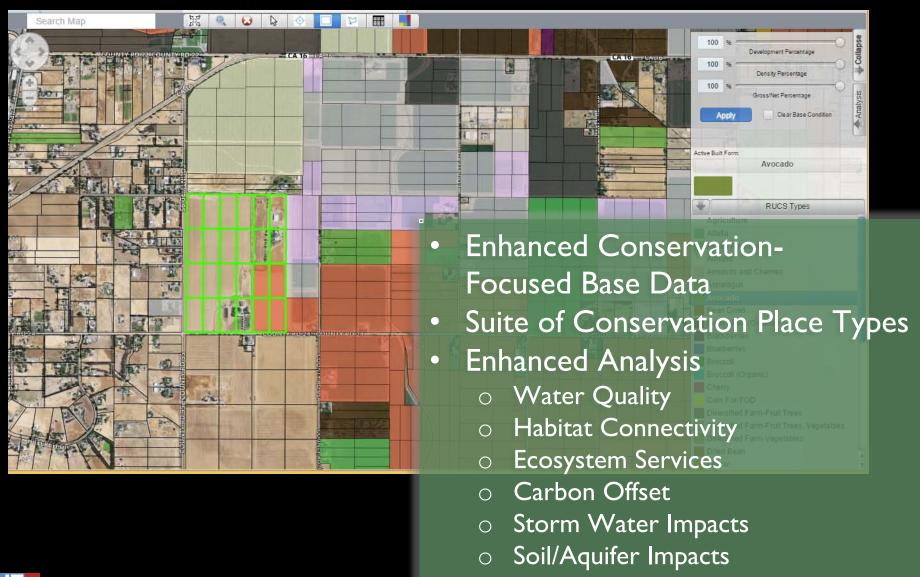


Sonoma County Scenarios & Conservation Module Development



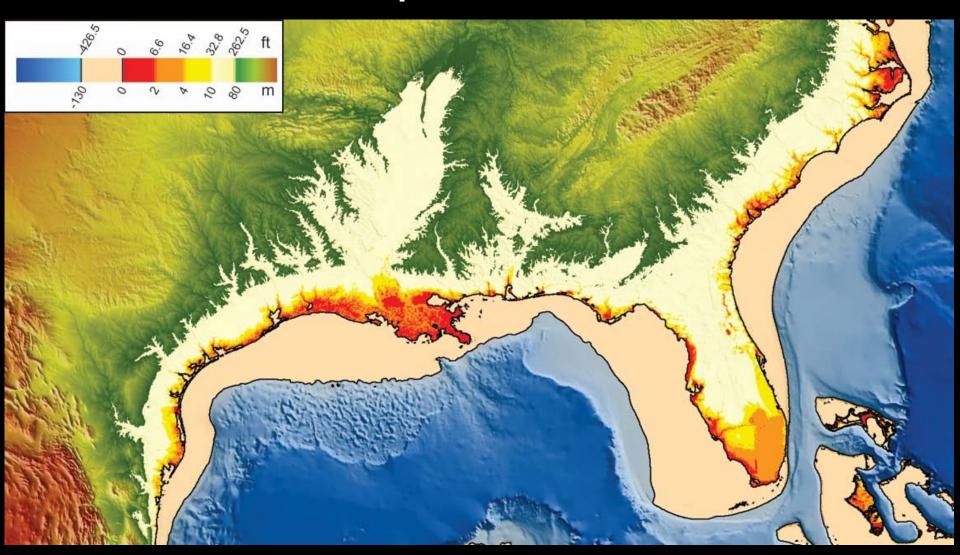


Conservation Module Development





Climate Adaptation & Resilience







CALTHORPE ANALYTICS

Joe DiStefano joed@calthorpe.com

www.calthorpeanalytics.com

