WRRC Annual Conference Water at the Crossroads: The Next 40 Years 19 June 2020

Water and Agriculture

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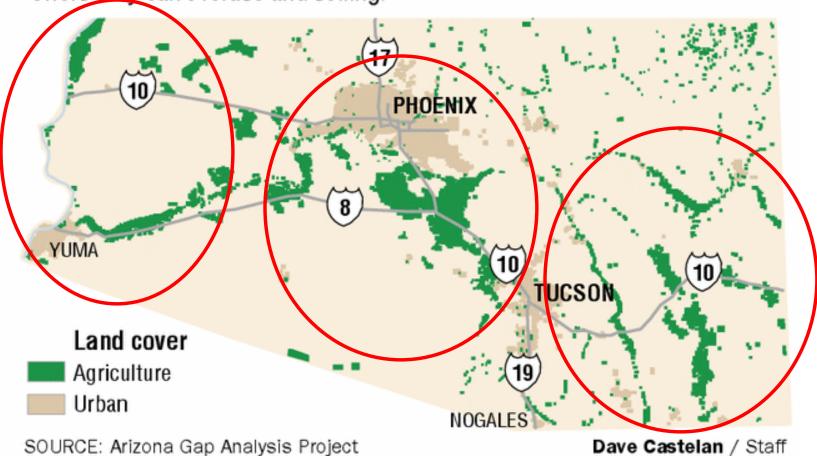
Arizona Agriculture - Future





Arizona farms and urbanized areas

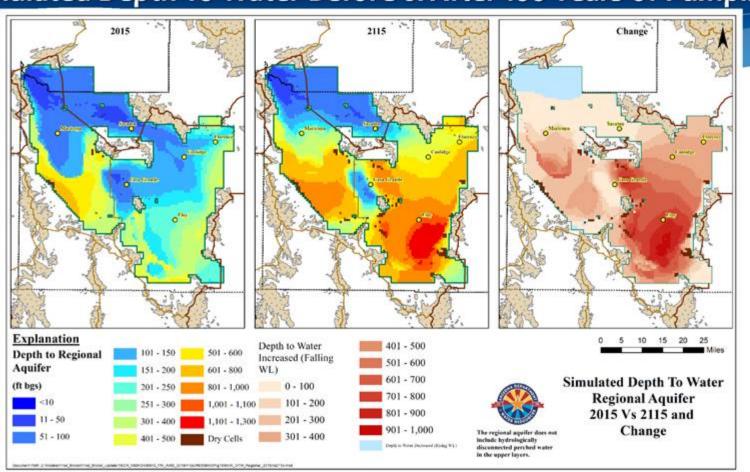
As Arizona's urban areas gobble up more land, many farmers are getting offers they can't refuse and selling.





Pinal Co. 2015 vs. 2115

Simulated Depth To Water Before & After 100 Years of Pumping

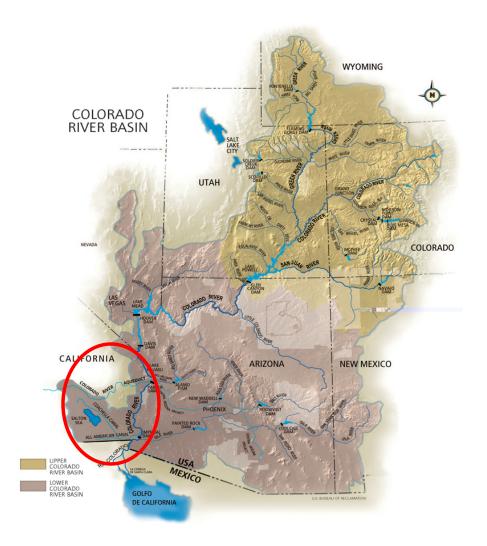


Arizona Ag – Future*

- Range/cattle production
 - Potentially stable on existing lands
 - Year to year variations: climate and markets
- Crop production systems
 - Northern Arizona some surface & groundwater irrigation
 - New areas of production, e.g. NW Arizona with groundwater dependence
 - Sensitive to climate and level of demand
 - Central & SE Arizona
 - Increasing urban development
 - Increasing pressure on limited groundwater
 - Decreasing ag water availability
 - American Indian Nations
 - Stable production capacity & access to water
 - Lower Colorado River Valley
 - Best options for long-term production systems

Lower Colorado River Valley

- Access to water
- Excellent soil resources
- Climate
 - broad cropproduction potential
- Existing infrastructure
- Expertise





Excellent Soil & Water Resources

- Irrigation
 - Crop demand
 - Salinity mgt.
 - Efficiency
- Tremendous production potential for a diverse cropping system













Winter Vegetable Production

- Southwest Arizona
 - Yuma Valley, Lower Colorado River Valley
- Principle winter vegetable production center for the U.S.
 - November to March
 - approx. 150,000 acres
 - Total econ. Impact ~ 1/3 of \$23.3B Ag.
 economy In Arizona













