## Growing Demands on Ag Water Demonstrate the Need for Ag/Urban Water Dialogue

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# What's the Problem? Not Enough Water: who wants it? EVERYONE AND THE ENVIROMNENT

The high price and ongoing demand for water supplies demonstrates that there is a current shortage for Agriculture and Water Provides.

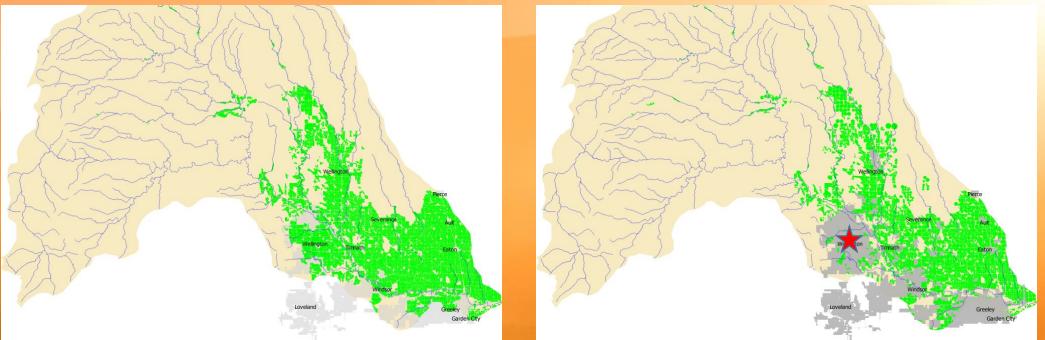
There has always been water shortages in Agriculture and the Environment. Now with a bursting population there is a more evident shortage of water for all.

NO NEW SUPPLIES, and INCREASED HYDROLOGIC VARIABILITY

## **Urbanization...**

#### 1960

2017



Source Water Route Framework Streams
 Irrigated Agriculture (2010)
 Municipalities (2017)
 Most Recent Municipality Data (2017)
 Basin

#### What's the Problem?

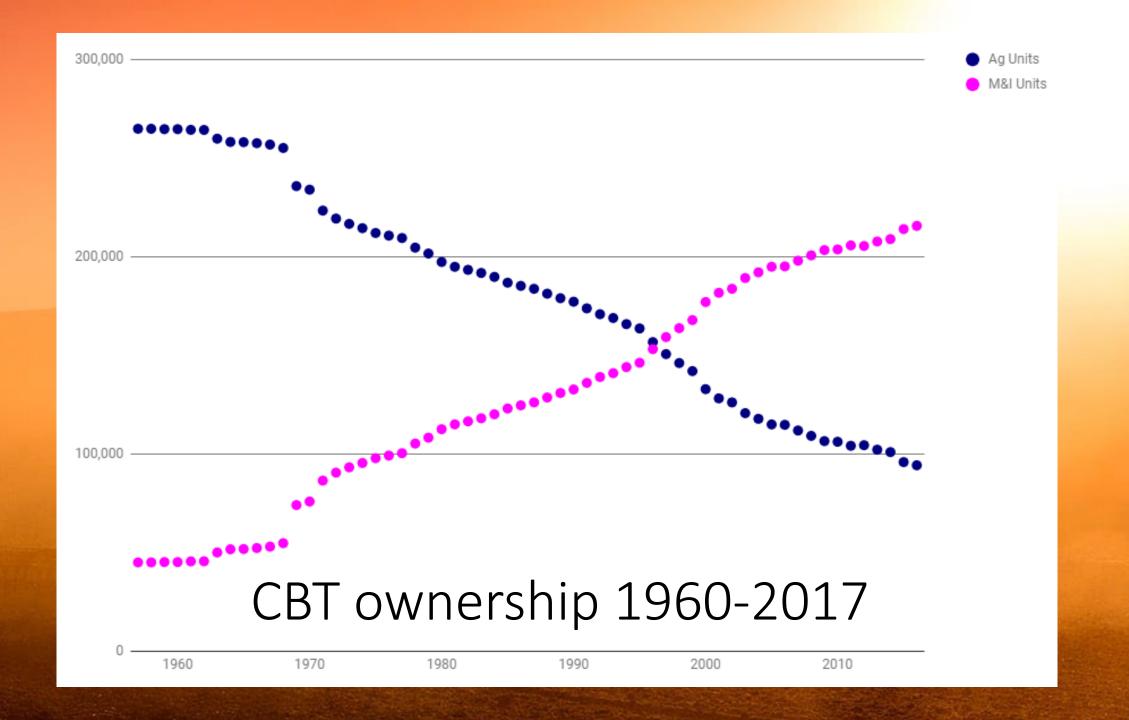
- Urban Development demands more than Agriculture Most crops "USE" (consume through ET) between 20" and 26" of applied irrigation water per year Most water court cases yield between 10.2" and 18" of HCU for Buy and Dry Most water providers require 36" to 60" of dedicated water for a
  - development...NOT ALL OF THIS IS FULLY CONSUMED THOUGH

 Generally for every acre developed, between 3 and 5 acres are removed from irrigation with BUY AND DRY techniques

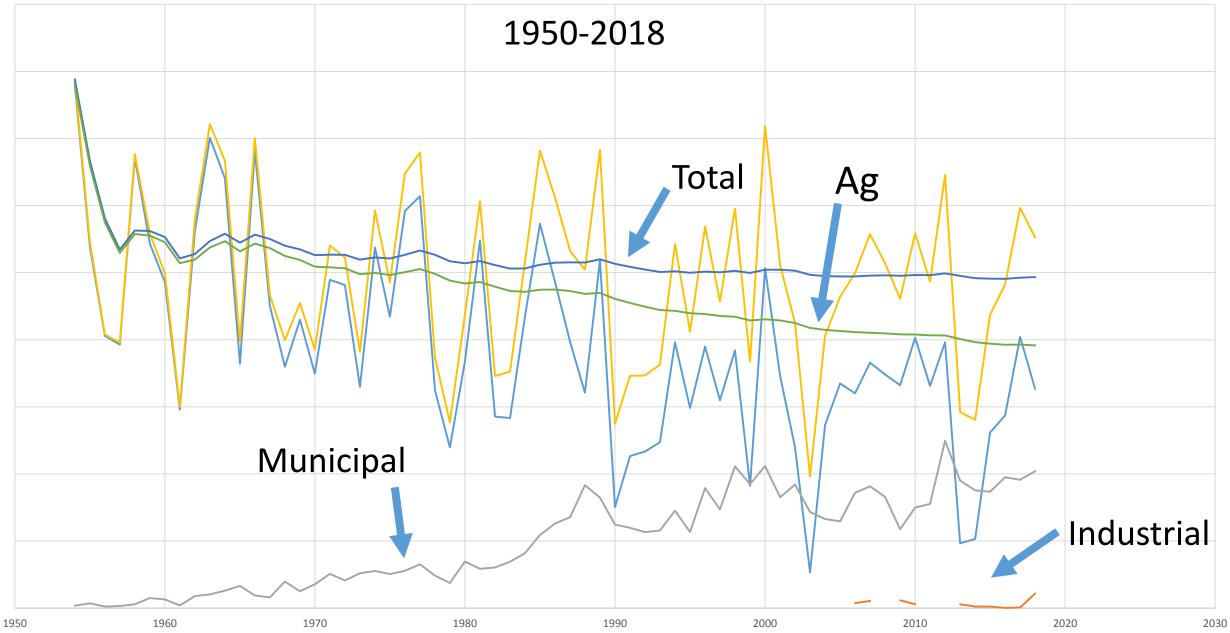
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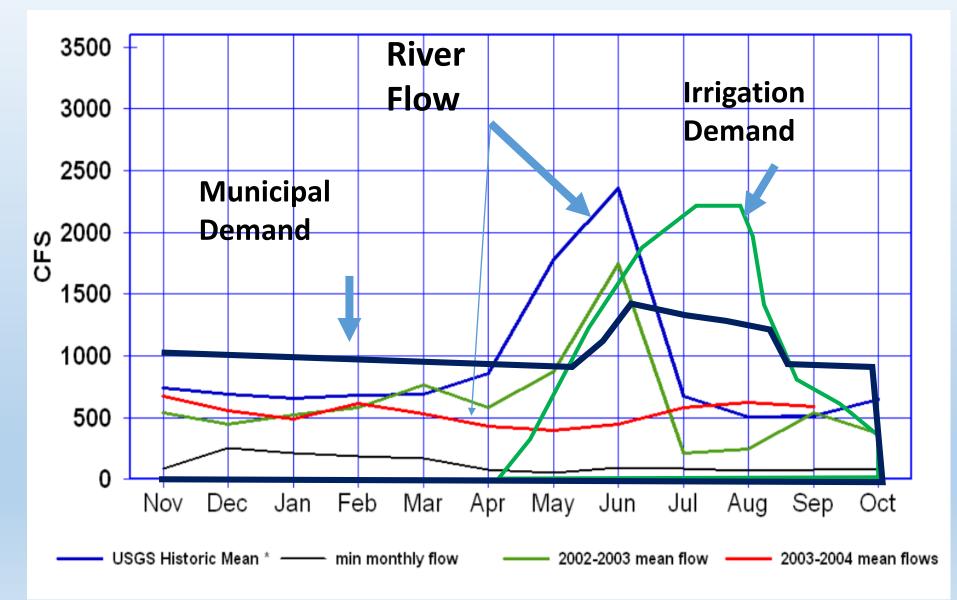
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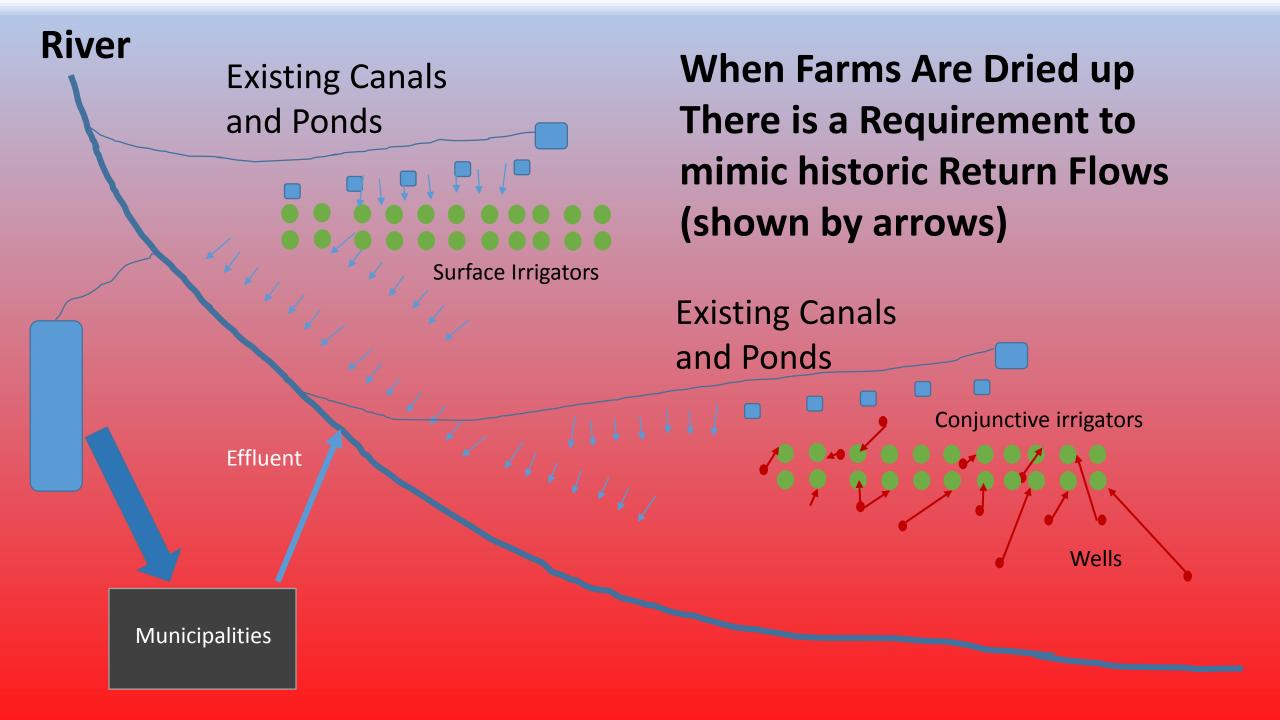
#### Delivery trends from a Multiuse Reservoir

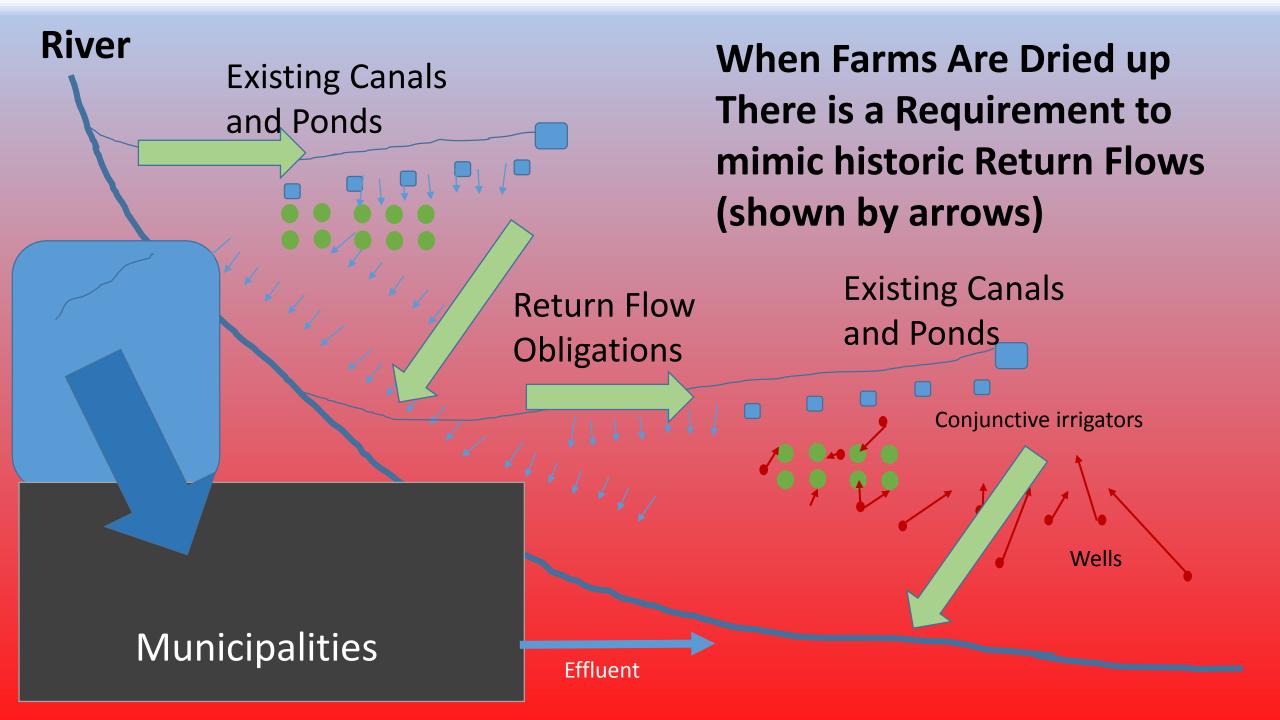


#### Water Supply and Use Timing doesn't match



Buy and Dry will **NOT** work without **MORE STORAGE** FOR FULL YEAR DELIVERY





#### Why do we need to work together?

- 1. Water providers need Ag to stay viable to use excess water in "Normal" and "Wet" Years
- 2. Water providers have obligation to deliver return flows "Forever" throughout the irrigation systems
- 3. Our Economies are interconnected and we all do better when we work together
- 4. Most (86% voted for open space) citizens recognize the value of agriculture
  - 1. Open Spaces with beautiful views
  - 2. Rural Character
  - 3. Clean Air and Clean Water

### **Call to Action**

Develop working relationships to ensure Ag viability
Leverage collaborative projects from all sectors
Do effective land use planning