



WATER SUPPLY UPDATE

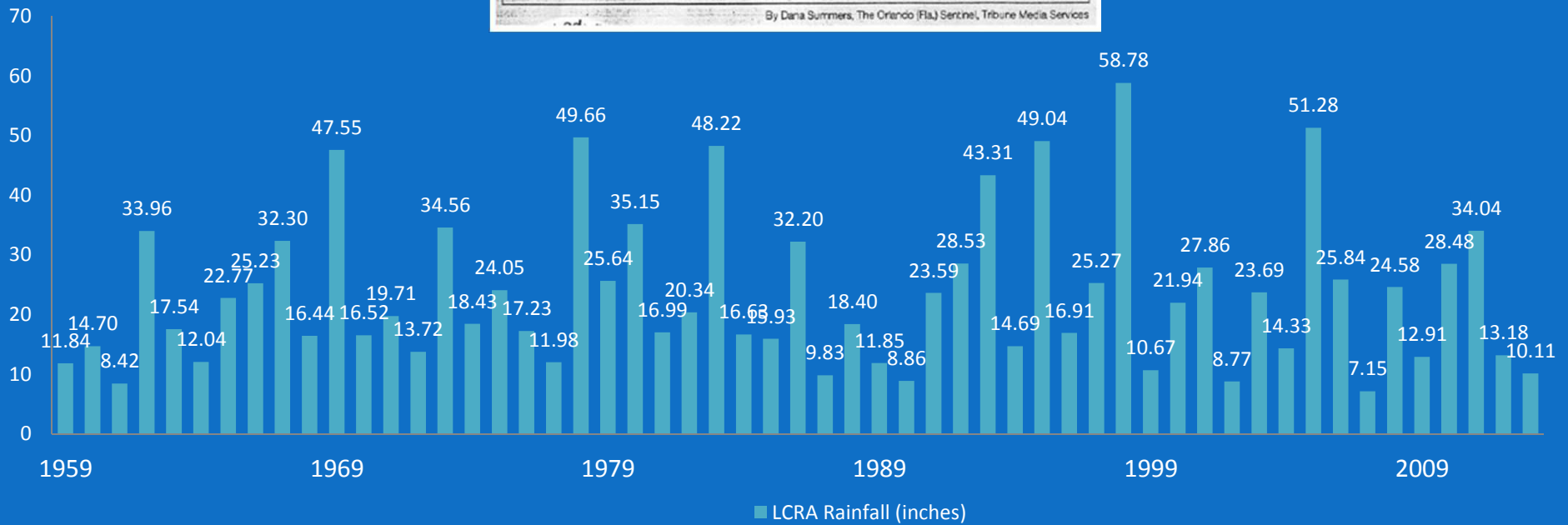
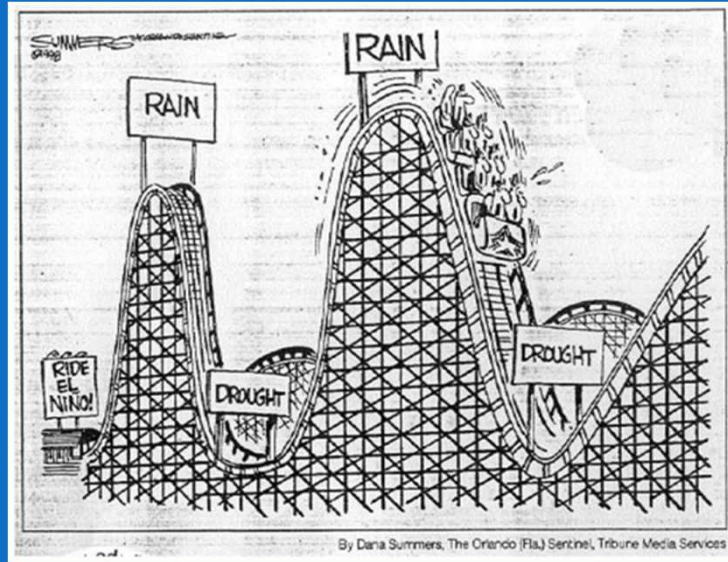
CASITAS MUNICIPAL WATER DISTRICT

**Steven Wickstrum
General Manager**

**Presentation to the
Ventura River Watershed Council**

April 25, 2013

Ventura River Watershed Rainfall



CASITAS MUNICIPAL WATER DISTRICT

- Water Source

- Ventura River Project

- US Bureau of Reclamation Investigation - 1953
 - Groundwater Supply Impacts during Drought Periods:
1868-1877 1893-1904 1918-1934 1944-1951
 - **Water Supply Reliability**
 - **Dual Functions:** Irrigation, Municipal, and Industrial uses
 - **Supplement water needs** - approximately 20,000 acre-feet
 - US Bureau of Reclamation Design and Construction – 1957-1959
 - Robles Diversion Dam and Canal
 - Lake Casitas
 - Designed based on 20 year Critical Drought Period – 1944-1964



2011

Robles Diversion

Annual Rainfall = 34.04"

Annual Diversions of 17,847 AF

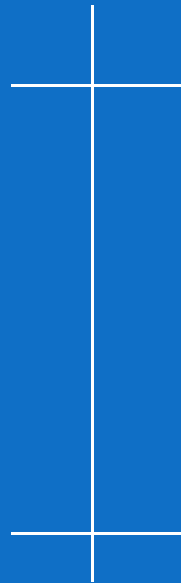


2013

Robles Diversion

Annual Rainfall = 10.14"

No Diversions to Lake Casitas



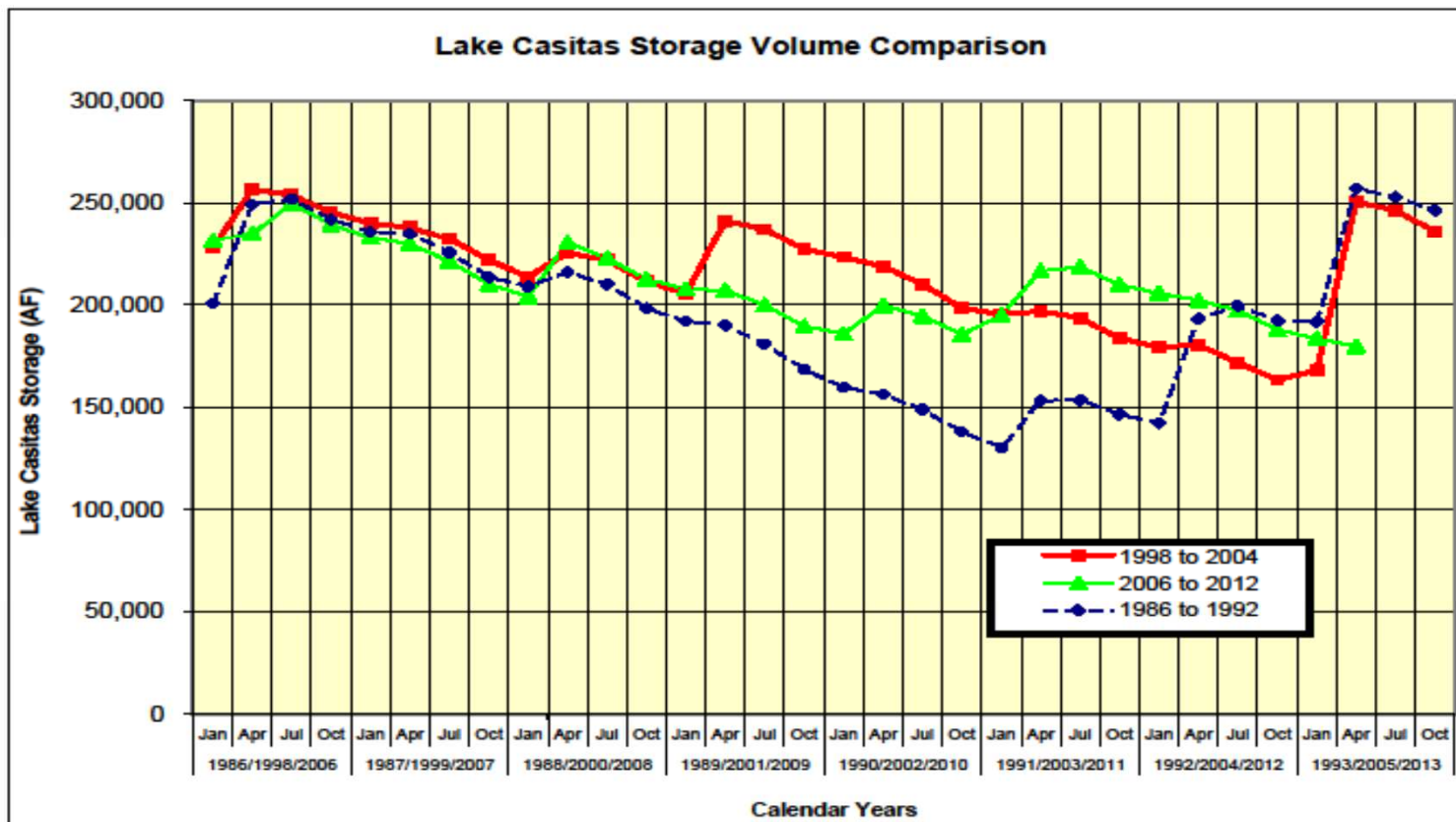
Lake Casitas Status

April 25, 2013

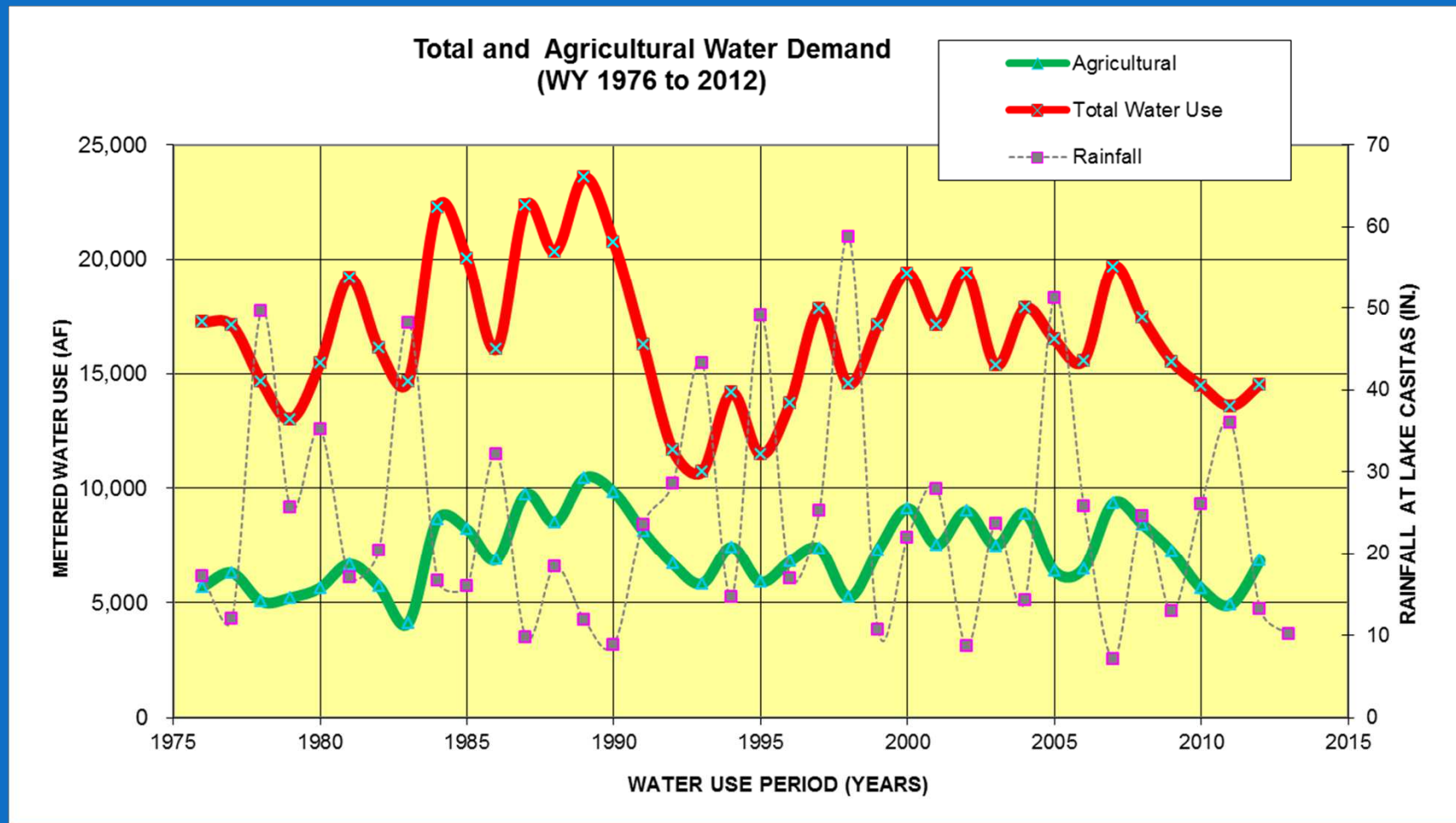
Rainfall (In.)	10.14
Robles Diversions (AF)	0
Lake Storage (AF)	177,893
% Storage Capacity	70%
Depth from Spill (feet)	31
Max Storage Capacity (AF)	254,000



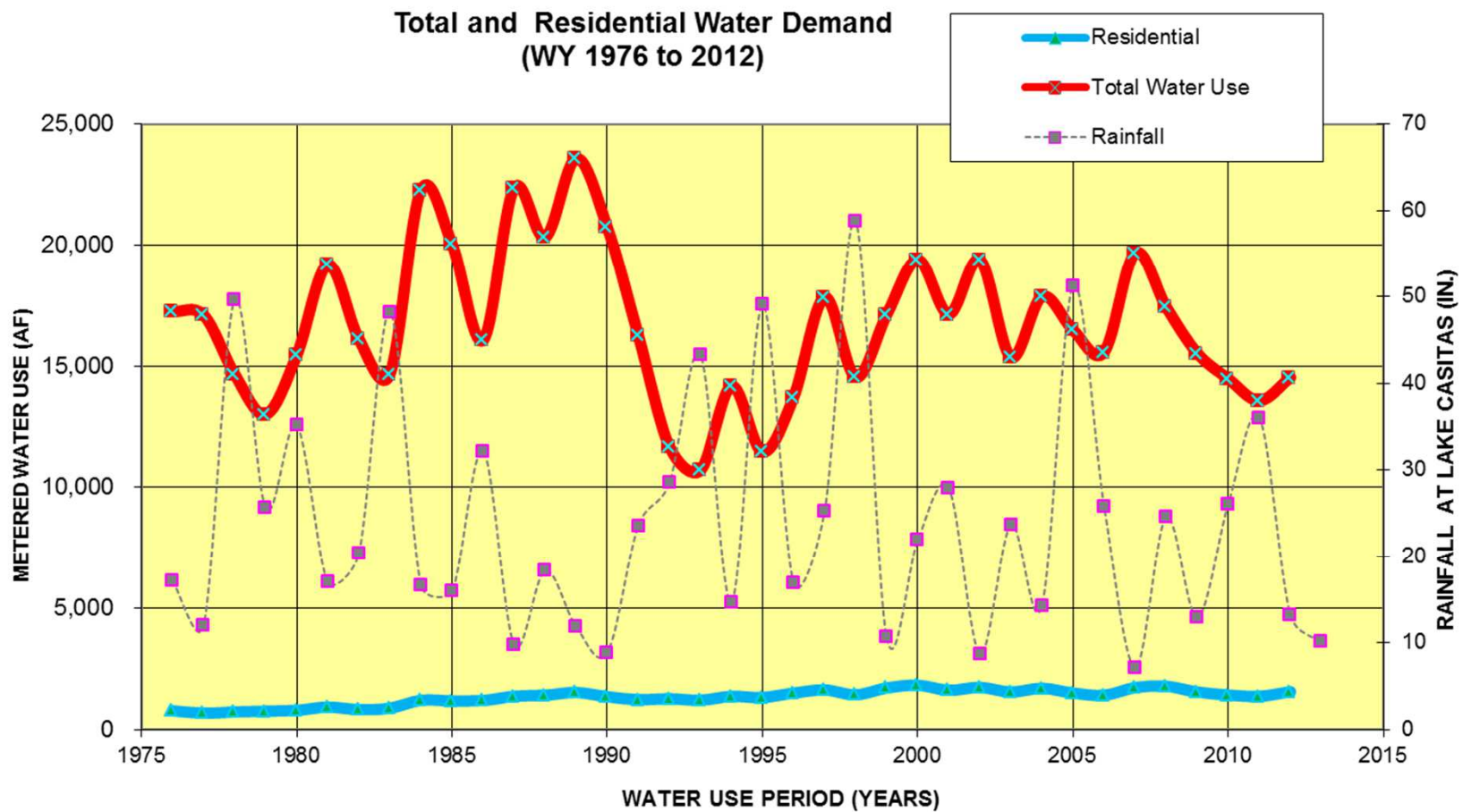
Lake Casitas Trends



Water Demand Patterns

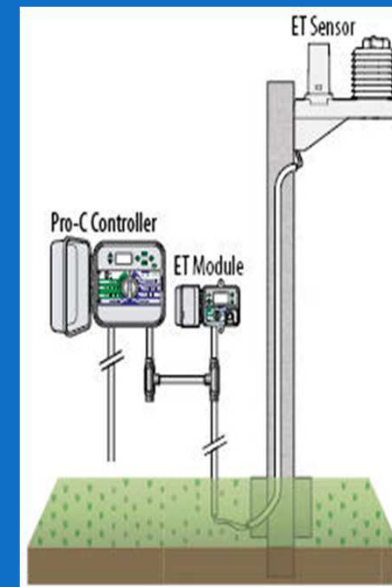


**Total and Residential Water Demand
(WY 1976 to 2012)**



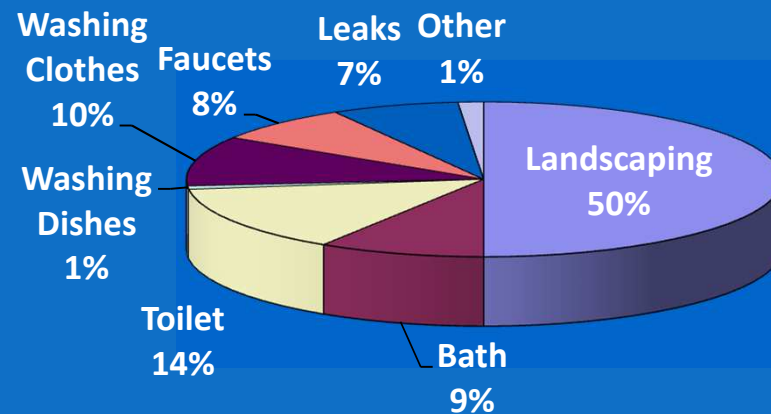
Water Conservation

- Water Conservation Programs:
 - Residential and Commercial Rebate Program
 - Water Audits – Commercial Industrial and Institutional
 - Residential Water Audits
 - Agricultural Water Audits – Ventura County Resource Conservation District
 - Water Education – Elementary Schools
 - Water Conservation Workshops



- Water Conservation Practices WE can all DO:
 - Install weather based controllers
 - Plant Ventura Watershed friendly plants
 - Regularly maintain irrigation system
 - Replace high-flow toilets with low-flow toilets
 - Install low flow showerheads and faucet aerators
 - Purchase high efficiency appliances
 - Fix water leaks immediately

Gallons of Water Used in Home



Casitas' Workshops

Finding and Fixing a Leak

April 27, 2013

9:00 – Noon

Casitas Municipal Water District Headquarters

Graywater Workshop

July 27, 2013

9:00 – Noon

Casitas Municipal Water District Headquarters

RSVP to Ron Merckling – 649-2251, Extension 118

- Casitas' main website: www.casitaswater.org
- Plant website: www.ventura.watersavingplants.com
- Facebook Page: www.facebook.com/fbsitecasitasmunicipalwaterdistrict