



CITY OF REDLANDS – WATER Municipal Utilities & Public Works Commission

December 4, 2023

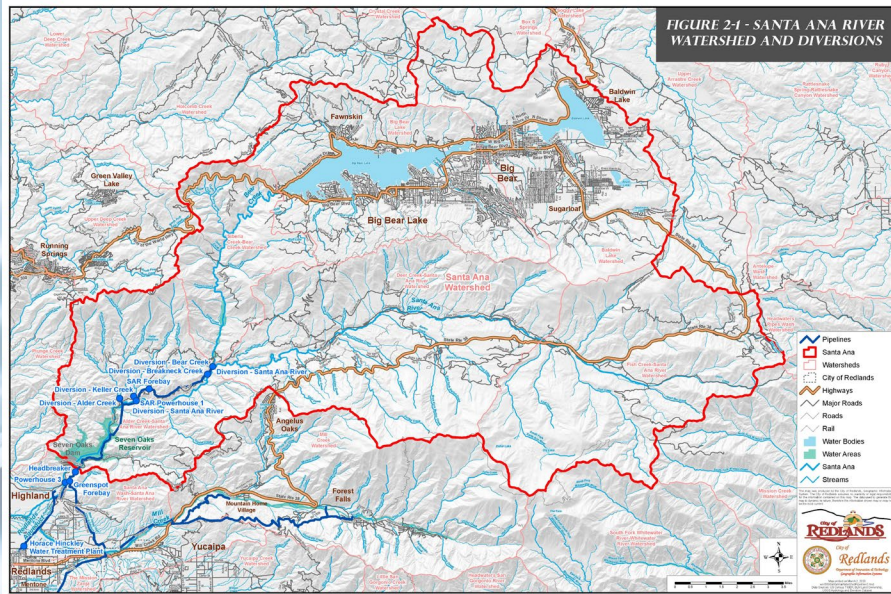




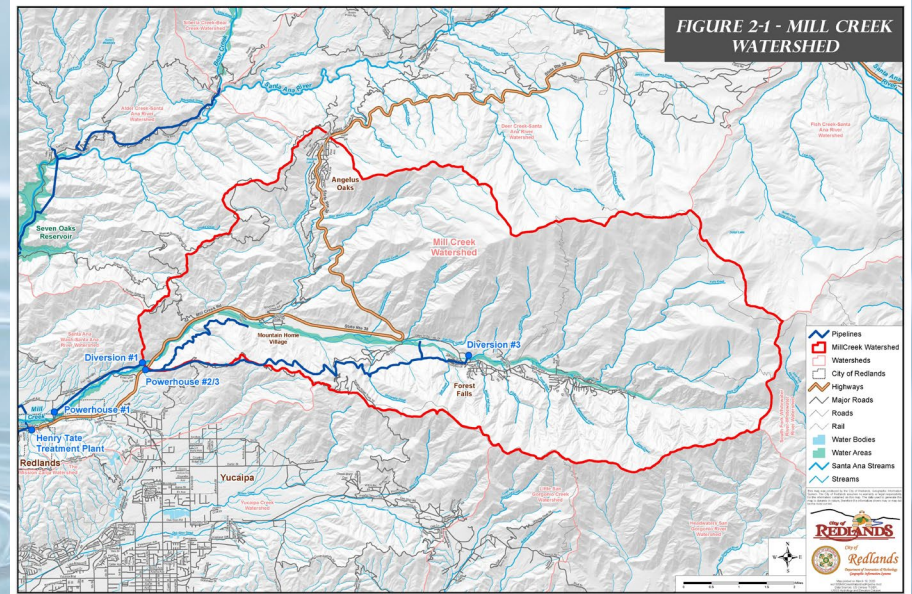
City Population	75,000
Water Service Population	85,000
Average Daily Production	20 MGD
Peak Season Daily Production	35 MGD
Per Capita Daily Consumption	175 gpcd
Outdoor Irrigation	70%



WATER SOURCES – SURFACE



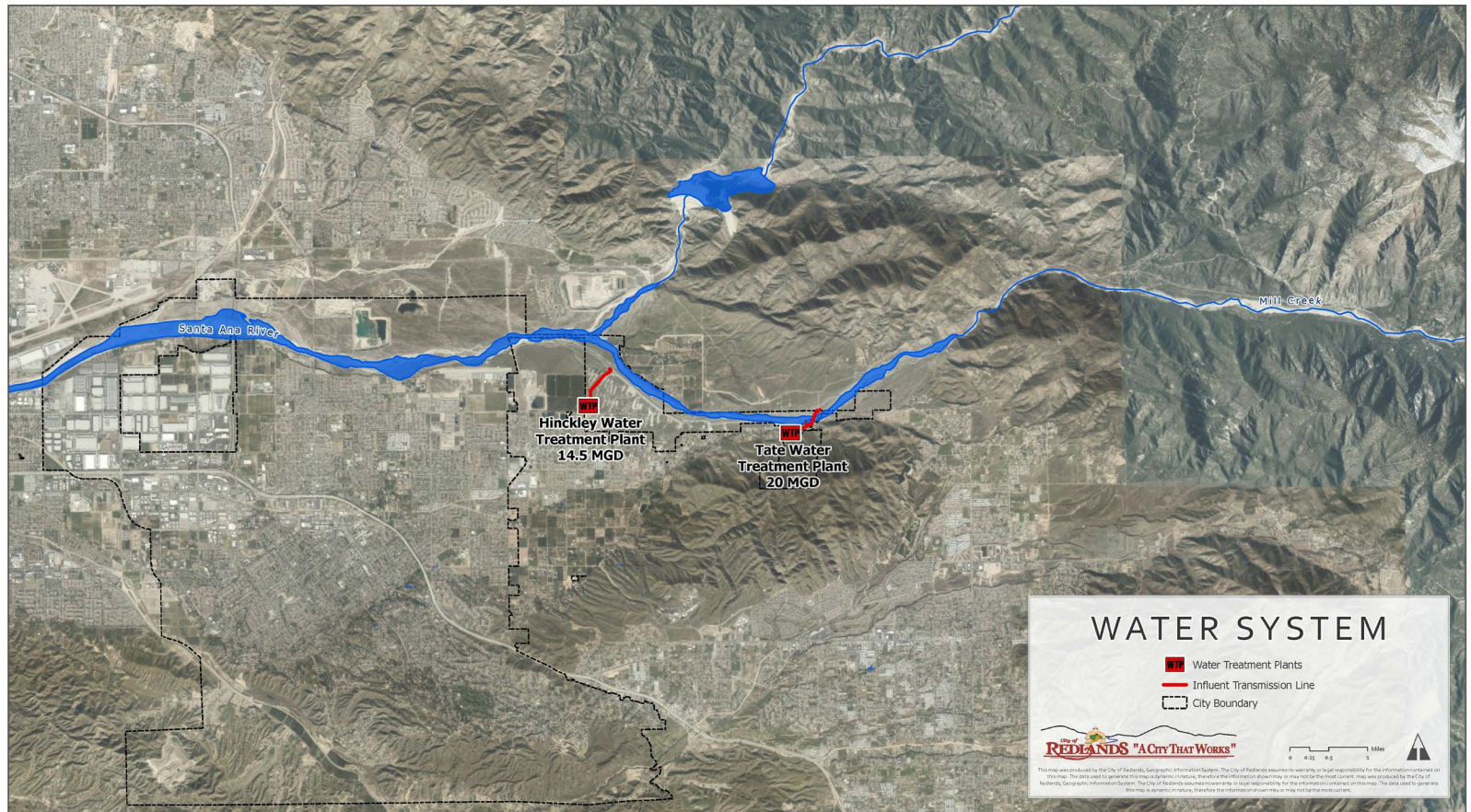
SANTA ANA RIVER
WATERSHED



MILL CREEK
WATERSHED



SURFACE WATER TREATMENT





WATER SOURCES - SURFACE

SAR Mutual Water Companies MC Mutual Water Companies

Lugonia WC

Redlands WC

West Redlands WC

Lugonia Park WC

Bear Valley Mutual WC

Crafton WC

Redlands Heights WC





WATER SOURCES - SURFACE

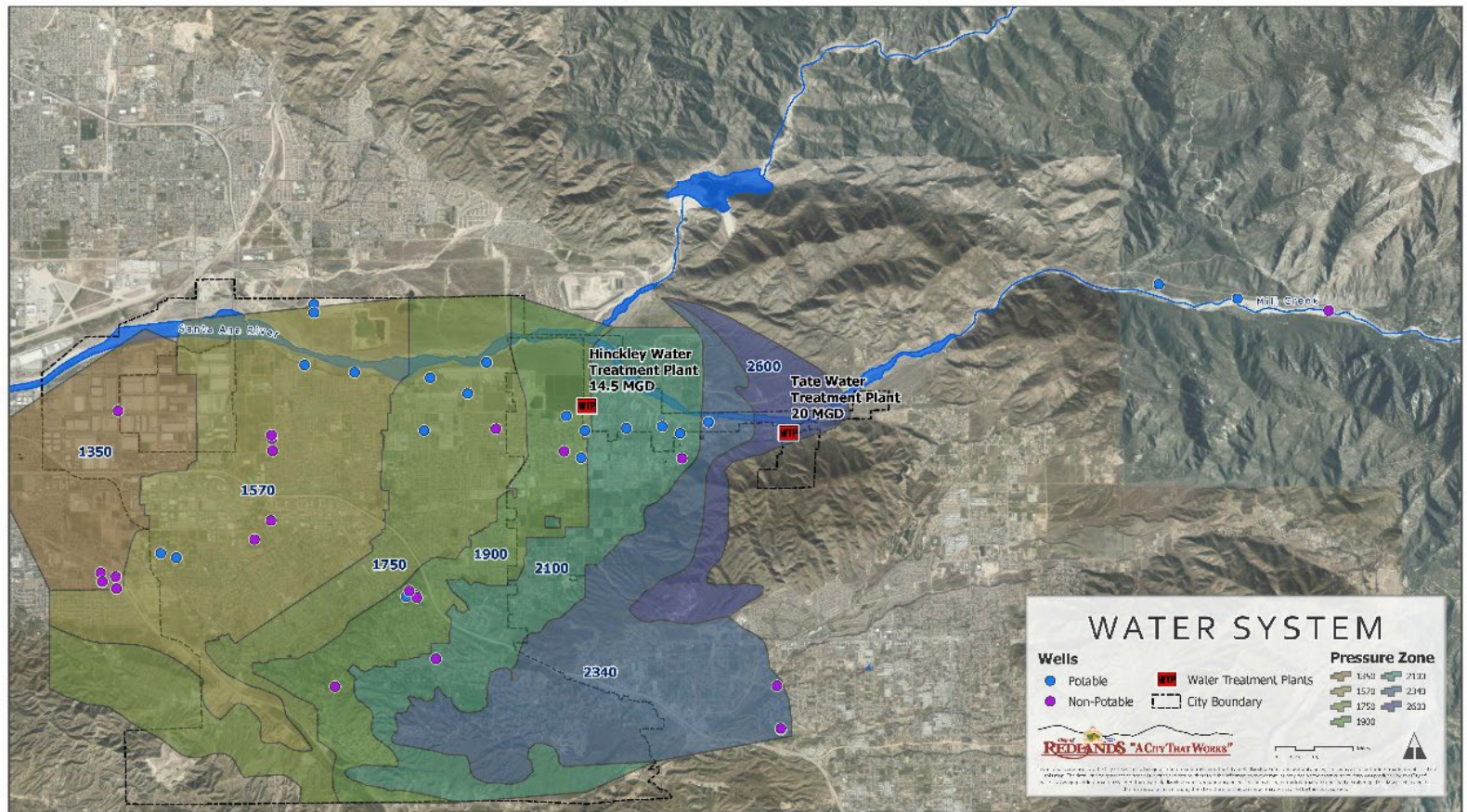
SAR Mutual Water Company Water Costs – 2023**

- 
- Lugonia WC \$ 13.16/AF
 - Redlands WC \$ 120.95/AF
 - West Redlands WC No Water Delivered
(\$74,643 Annual Assessment)
 - Lugonia Park WC \$ 208.64/AF
 - Bear Valley Mutual WC \$1,362.46/AF

** November & December Excluded



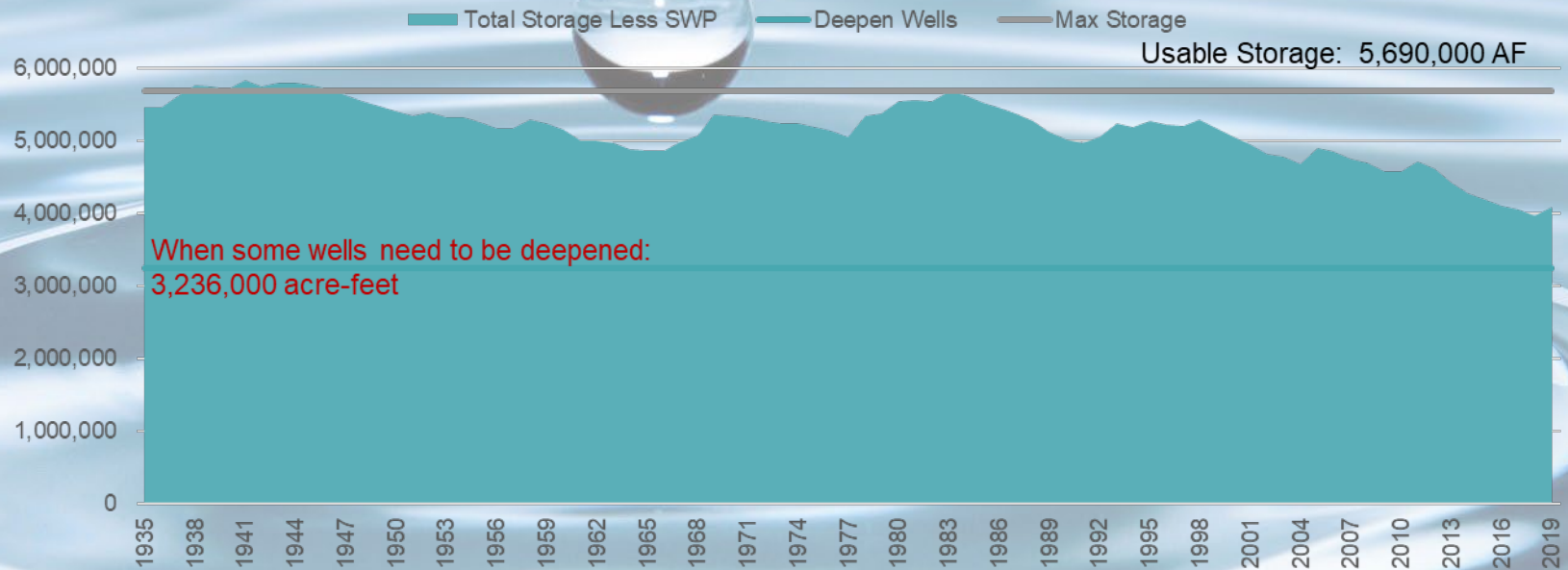
WATER SOURCES - GROUNDWATER





GROUNDWATER BASIN HEALTH

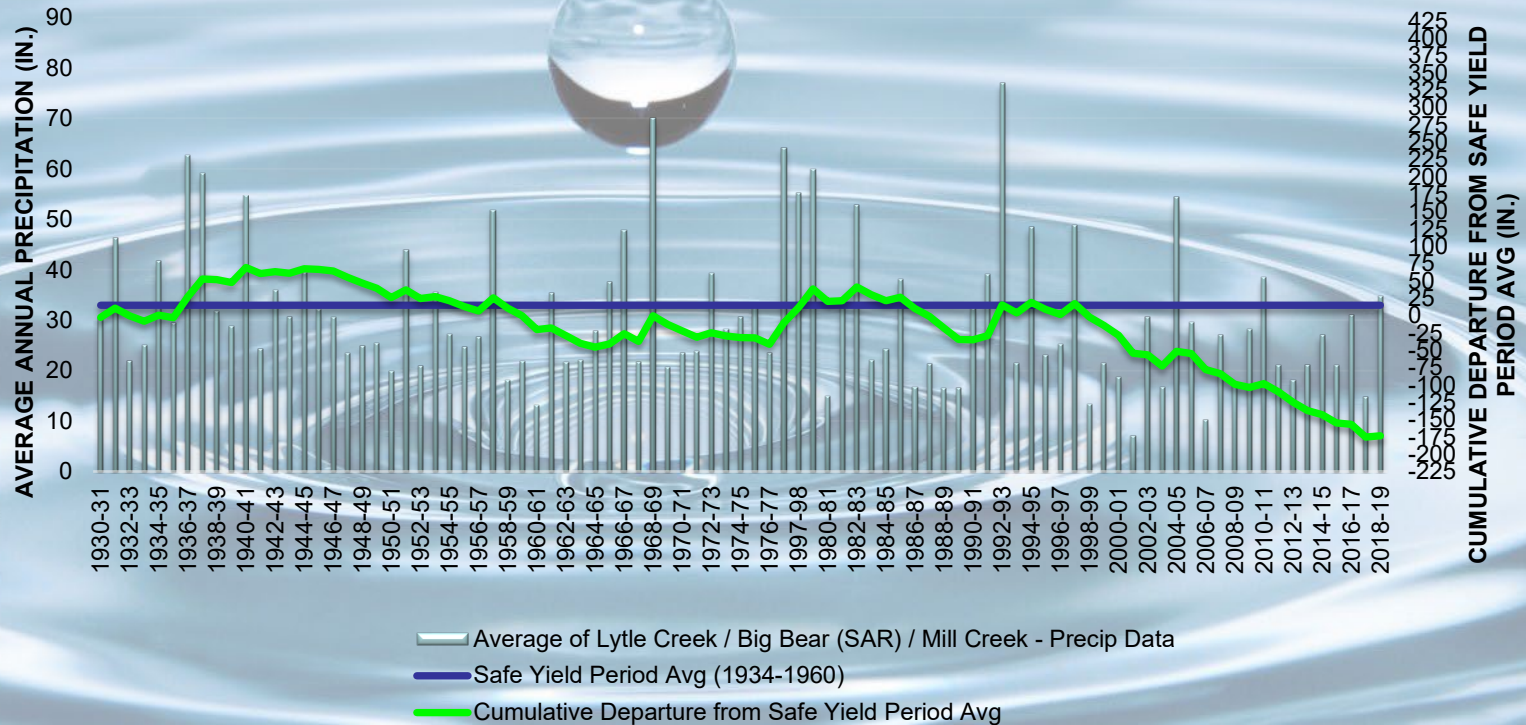
San Bernardino Basin – Local Resources Only





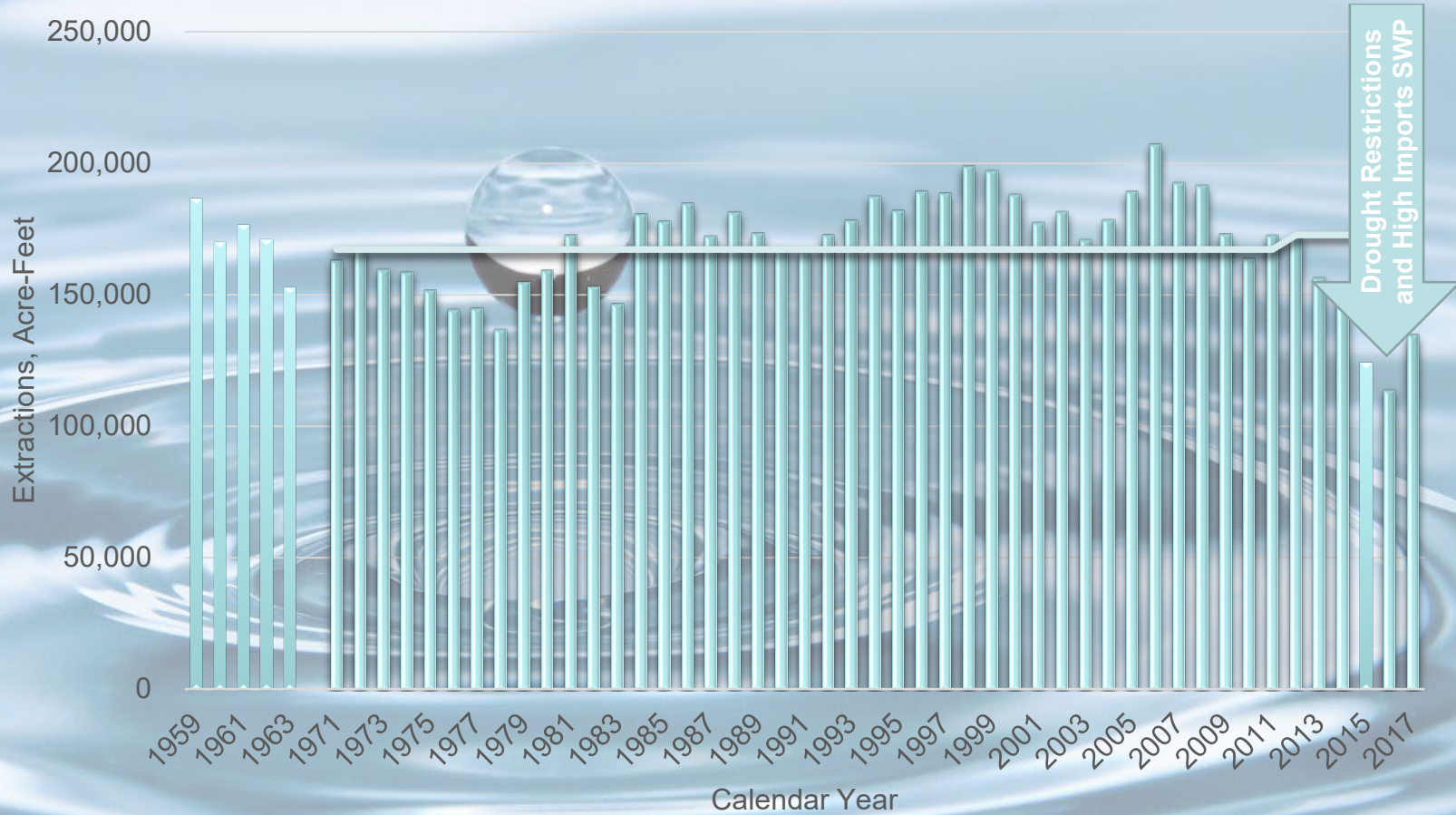
GROUNDWATER BASIN HEALTH

San Bernardino Basin Area Precipitation Index





GROUNDWATER BASIN HEALTH





WATER SOURCES – STATE WATER PROJECT



**California
Aqueduct (1973)**

**Los Angeles
Aqueduct (1913)**

**Colorado River
Aqueduct (1939)**



WATER SOURCES – STATE WATER PROJECT

- **4.2 MAF - Entitlements**
 - **2.4 MAF - Deliveries**
- **LAMWD is largest contractor**
 - **29 Contractors**
 - **28 Dams**
- **26 Pumping & Generating Plants**
 - **660 Miles of Aqueduct**



WATER SOURCES – STATE WATER PROJECT

San Bernardino Valley Municipal Water District Annual SWP Allocation (100%)

102,600 AF

Historic Annual SBVMWD Actual Deliveries

38,456 AF



TAKEAWAYS

- Maximize Mutual Water Company Share Entitlements



- Reduce SWP Reliance
- Appropriately Maintain Systems
- Conserve, Conserve, Conserve



QUESTIONS?

John R. Harris
MUED Director