

# ELSINORE VALLEY MUNICIPAL WATER DISTRICT

Canyon Lake Reservoir  
Water Supply Operations



# Elsinore Valley Municipal Water District

EVMWD's service area is 96 square miles and serves approximately 43,500 connections and a population of 150,000. This includes:

- 711 miles of Water Mains
- 51 Booster Pump Stations
- 77 Storage Tanks
- 12 Drinking Water Wells
- 7,658 Fire Hydrants
- 18,514 Valves



# Canyon Lake Water Supply

- Canyon Lake Water Treatment Plant began producing drinking water in 1951
  - Provides approximately 2,350 Acre Feet (AF)/year (10% of EVMWD's supply)
  - Holds approximately 12,000 AF of water
  - It's replenished from local rainfall runoff from the San Jacinto River and Salt Creek
- Canyon Lake Operating levels
  - 1,381.76 feet to a minimum level of 1,372 feet, which is set by the Lake Lease Agreement with the Canyon Lake POA

# Canyon Lake Water Quality

## Ensuring Canyon Lake water quality

- Monitoring and maintaining the intake at the Canyon Lake Water Treatment Plant
- Participation in LESJWA TMDL Task Force meetings
- Observing Alum applications
- Coordinating efforts with the Canyon Lake POA to collect bacteriological samples

# Lake Elsinore Aeration

- Typically operates from April to October
- The system consists of two compressors and a series of air lines which pump air into the lake
- The City of Lake Elsinore also operates a series of Axial Flow Mixing Pumps to supplement aeration
- This systems helps EVMWD meet requirements for its NPDES Discharge Permit by offsetting Total Nitrogen and Total Phosphorus of Recycled Water discharges

# QUESTIONS?



# THANK YOU

Brian A. Dickinson  
Director of Operations

