



LESJWA Water Summit 2016



Lake Elsinore: History and Plans Moving Forward

Southern California's Largest Natural Freshwater Lake

3,000

**Surface
Acres**

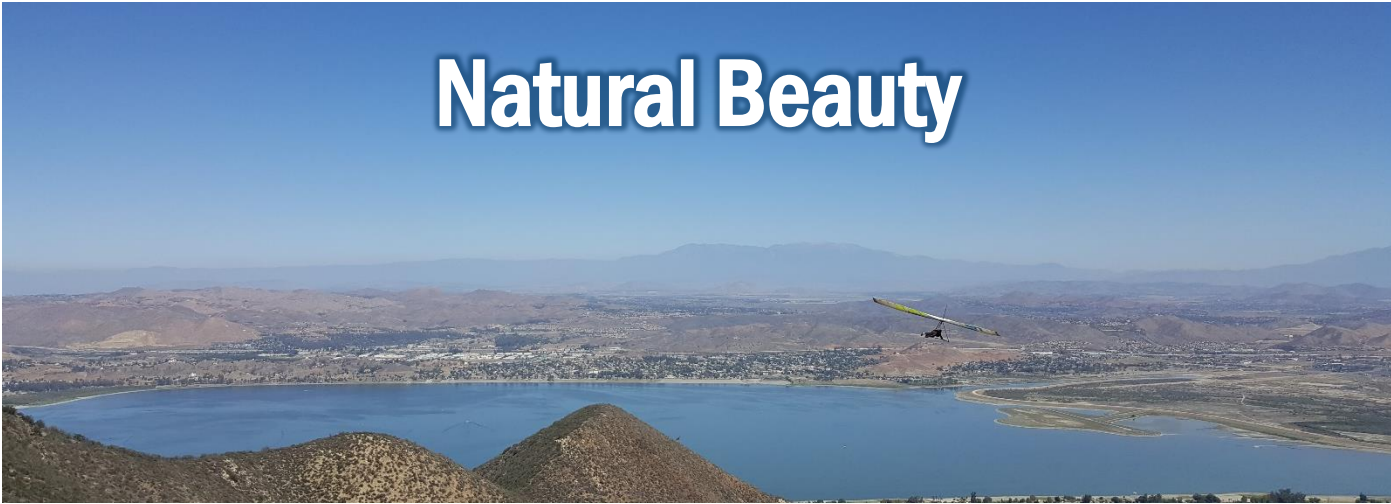
14

**Miles of
Shoreline**

1

**Ultimate
Destination**

Natural Beauty



Amazing Wildlife



Action Sports



**Lake Elsinore is the
Destination for Extreme ...**

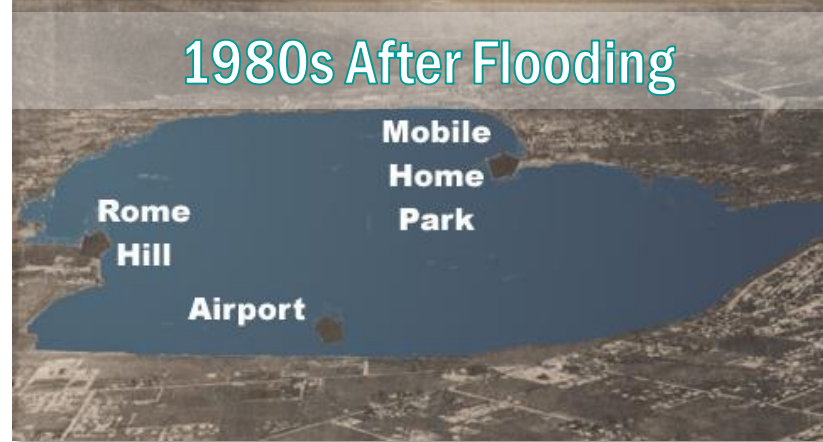
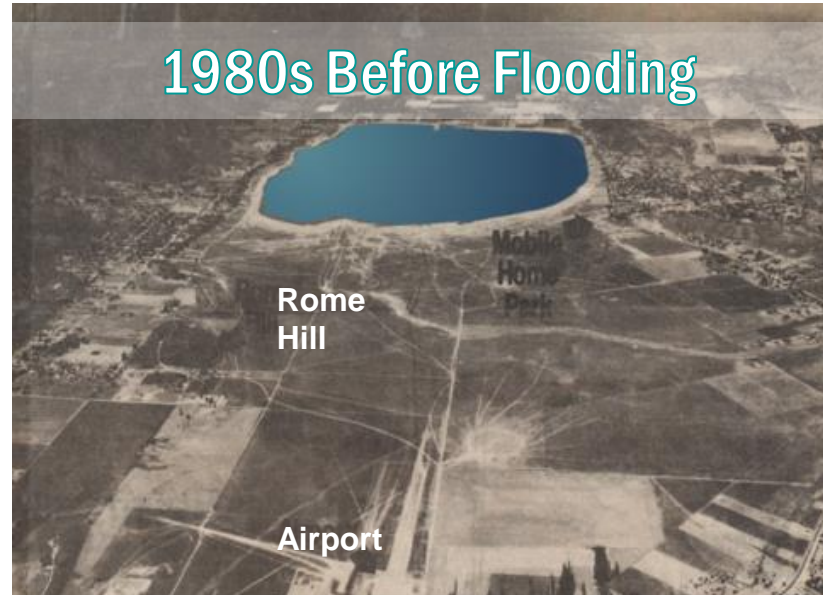


Family Fun

Economic Development



Historical Challenges

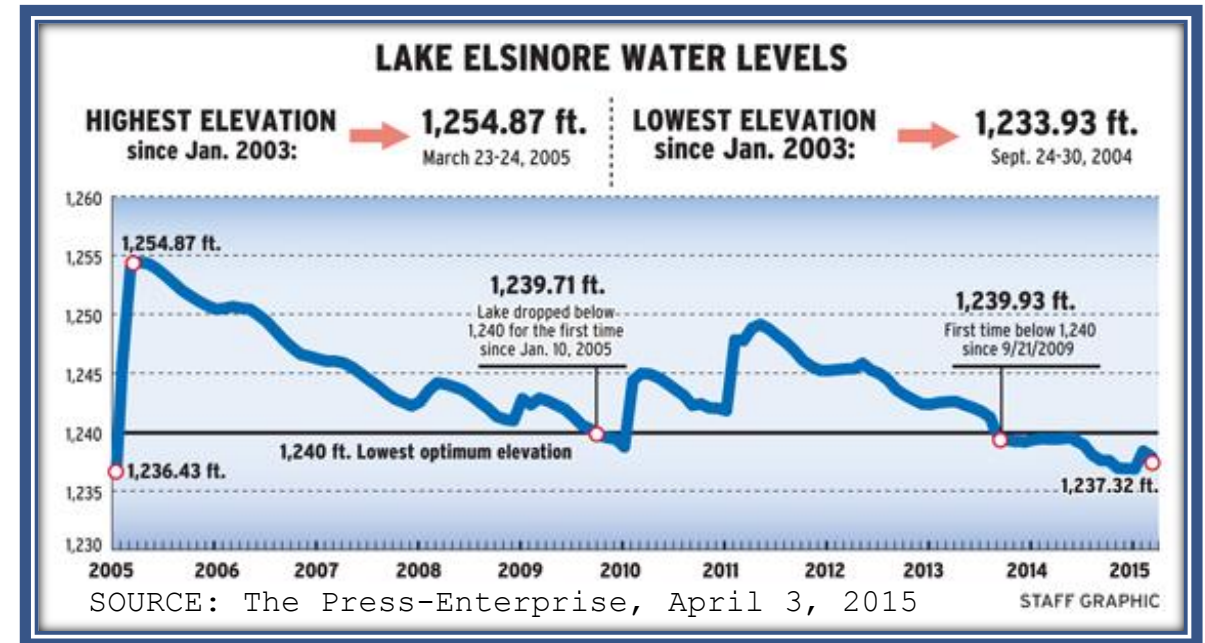


Projects Boost Lake's Water Quality



Lake Elsinore Remains Vulnerable

- Due to drought, lake level dropped to 1236.07' in July 2015.
- Fish population study showed fishery imbalance.
- Dissolved oxygen levels declining.
- Increasing sustained, overnight temps of 90+ degrees.



Date	Population (fish/acre)	Mean Size ^a (cm)	Fish >20 cm ^a (fish/acre)
April 24, 2008	18,090	4.7	1,050 (5.8%)
March 15, 2010*	2,867	4.0	6 (0.2%)
Dec. 1, 2010	27,720	4.3	273 (1.0%)
April 2, 2015	56,600	1.8	12 (0.02%)

SOURCE: Dr. Anderson

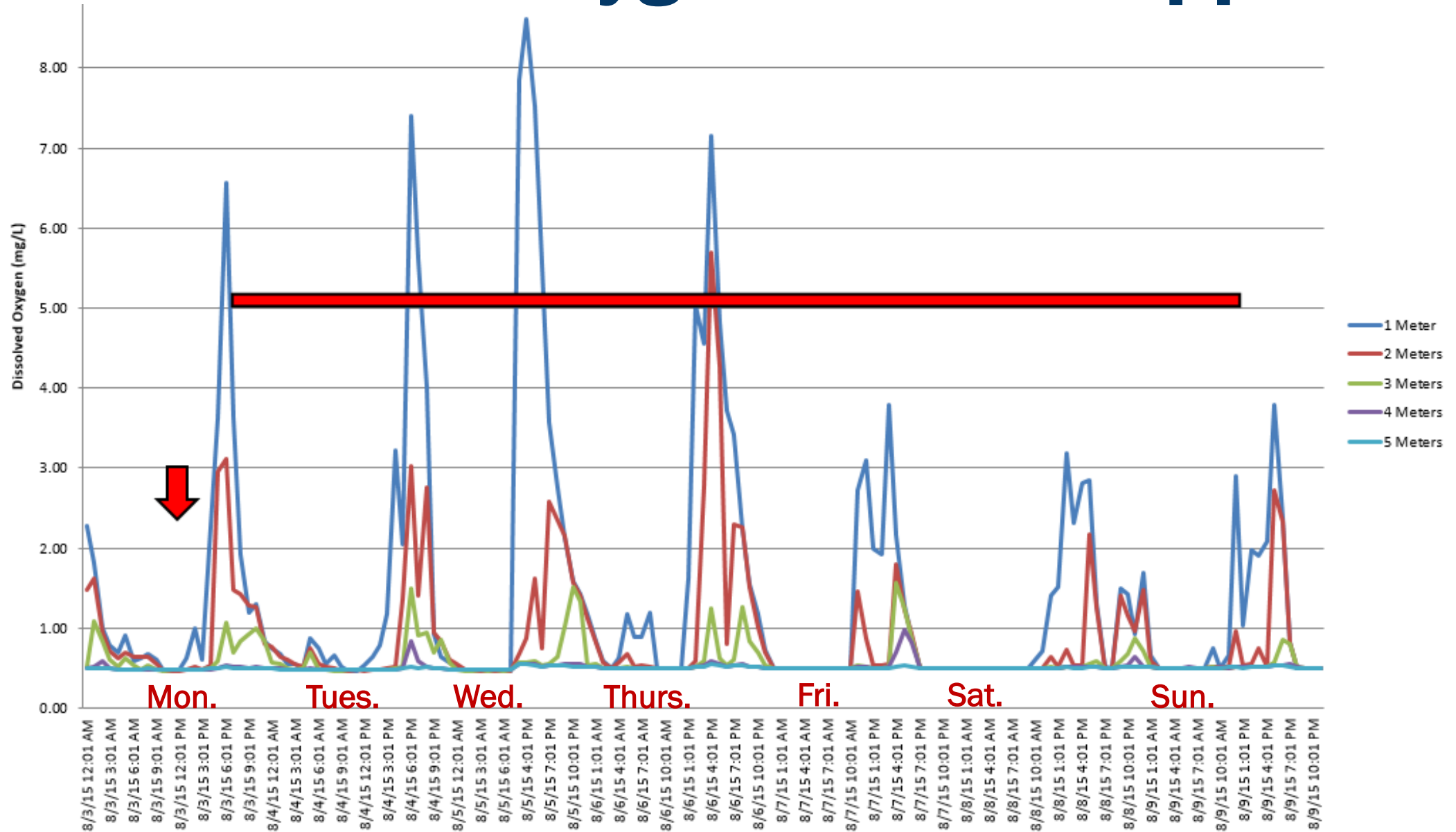
*After fish kill in summer 2009

Lake Watch 2015

- Launched in July 2015.
- Partnership between LESJWA & City.
- Plan, prepare and proactively pursue solutions to preserve Lake Elsinore.
- Leverage partnerships to quickly and effectively address fish kills.
- Engage, educate and spread awareness.
- Avoid negative impacts.



Dissolved Oxygen Levels Dropped



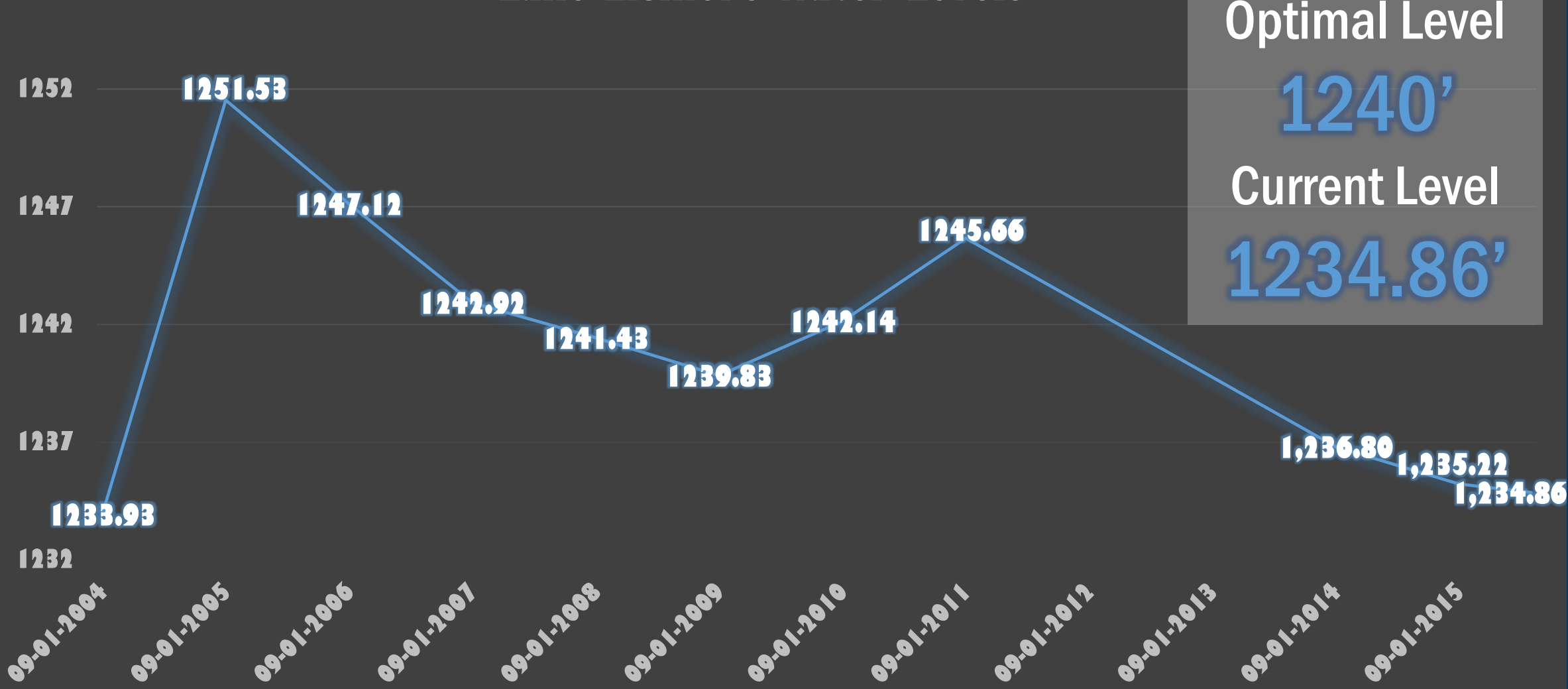
Results of Lake Watch



- Fish kills occurred in August, 23 tons of fish collected.
- Staff mobilized quickly removing most fish within 24 hours.
- More than 20 local volunteers joined the City's efforts.
- Received strong regional agency support.
- Community was engaged and supportive.

Current Condition

Lake Elsinore Water Levels



Pumping Up Namesake ...

- Ongoing Fish Stocking Program
 - April 2015
 - February 2016
 - April 2016
- Lake Use Ordinance Amendments
- La Laguna Resort & Boat Launch Renovations
- Seeking Federal and State Support
- Researching Funding/Revenue Opportunities
- Ongoing Collaboration and Communication with Regional Partners and Community.

