

# Reasons for Water Conservation Measures

City of Plano

# Our Water Supply

## Where does it come from?

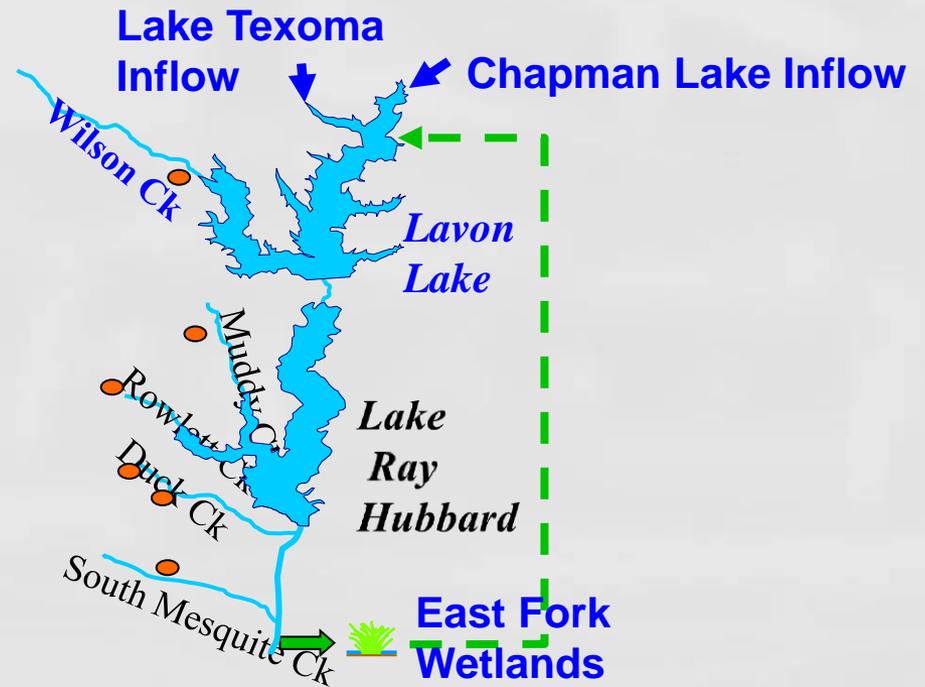
- The City of Plano buys all of its water from the North Texas Municipal Water District (NTMWD).
- NTMWD provides drinking water to over 1.6 million people, including Plano residents.



# Our Water Supply

## Where does it come from?

- Our water is provided from the following sources:
  - Lake Lavon
  - Lake Texoma
  - Lake Jim Chapman
  - Lake Tawakoni
  - East Fork Wetlands and
  - Wilson Creek



# What is causing this water shortage?

## Loss of Lake Texoma Water Supply

- Lake Texoma is infested with an invasive species called zebra mussels.
- We cannot pump water from Lake Texoma because we might spread the zebra mussels.
- Visit [texasinvasives.org](http://texasinvasives.org) for more information.



# What is causing this water shortage?

## Loss of Lake Texoma Water Supply

- Water from Lake Texoma makes up about 28% of our water supply.
- **We lost 28% of our water supply due to zebra mussels.**



# What is causing this water shortage?

## Weather Forecast

- *BUT WAIT! It has been raining and the lake levels are going back up; why aren't we out of restrictions yet?*
- Although recent rains have helped to put some much-needed water back into Lake Lavon, the weather forecast is predicting a dry Spring.
- *Lake Lavon, our primary source of drinking water, is at the same level now that it was in 2011 at this time.*

# Levels of Three Primary Reservoirs: 2/20/12

Name of Lake	Estimated Percentage of Total NTMWD Water Supply	Lake Level as of 2/20/2012
Lavon Lake	40%	79.41%
Lake Texoma	28%	<b>NOT ACCESSIBLE</b>
Lake Jim Chapman	17%	55.92%

*If you only consider these three reservoirs, an estimated **43.7%** of the **total water supply is not accessible** on 2/20/2011.*

Curious about the status of the lakes? You can check the lake levels every day:  
<http://wiid.twdb.state.tx.us/ims/resinfo/BushButton/lakeStatus.asp>

# Pictures of Lake Lavon 9/2011



September 2011

*Those who cannot remember the past are doomed to repeat it.*  
*- George Santayana*

Thanks to NTMWD and Dallas Morning News for use of pictures.

# What is causing this water shortage?

## Reduced Treatment Plant Capacity

- NTMWD's water treatment plants are under construction to install an ozonation process.
- The water treatment plant cannot produce as much water as it normally does until construction is finished.



# Questions?

- **For information on the watering restrictions:**  
[plano.gov/water](http://plano.gov/water) or Drought Hotline at **972-769-4338**
- **For questions about the watering restrictions:** Email Meagan at [meaganf@plano.gov](mailto:meaganf@plano.gov).
- **To report water waste:**
  - Use **Fix It Plano** from your smart phone or computer:  
[plano.gov/Pages/fixit.aspx](http://plano.gov/Pages/fixit.aspx)
  - Call **(972) 769-4160** during normal business hours. If location is a City facility, call **(972) 941-7263**. After hours, call **(972) 727-1623**.