



Presented by Paul Bounds

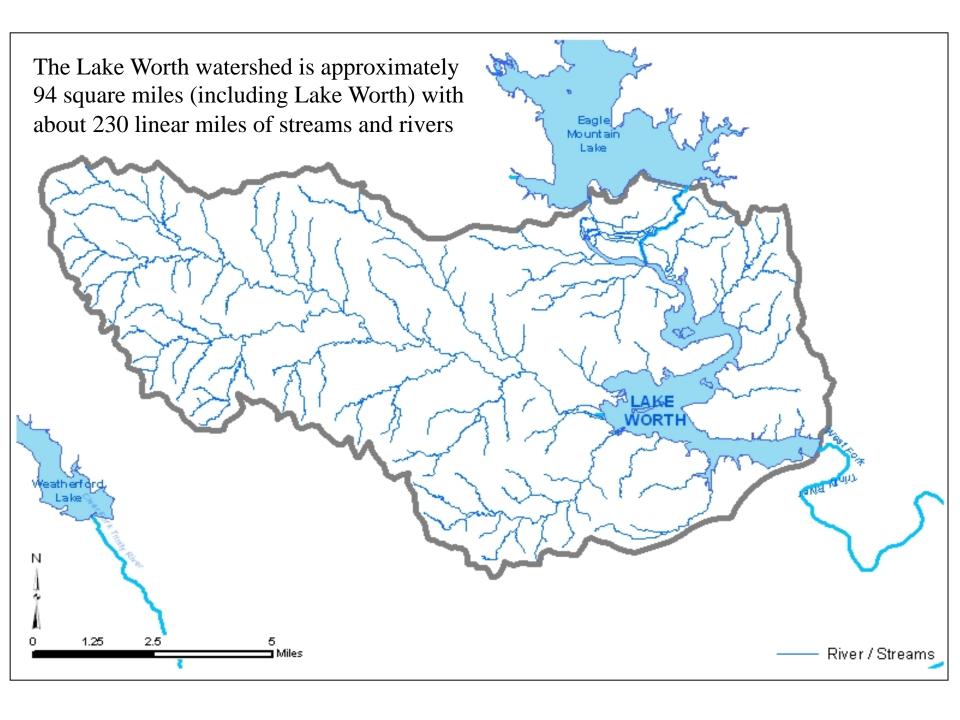
City of Fort Worth Water and Sewer Department December 17, 2015

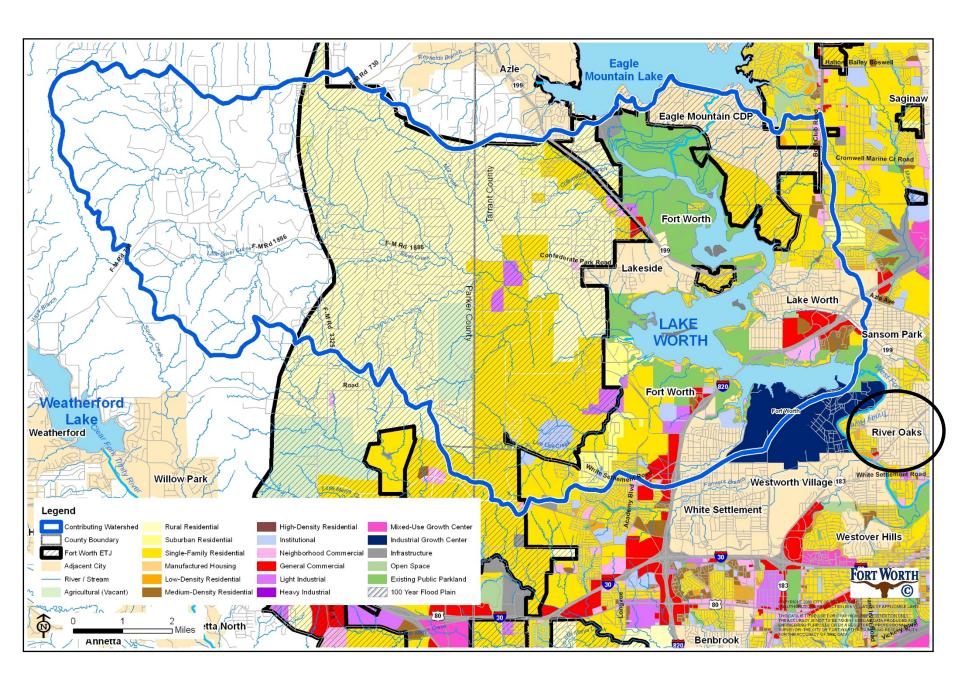
Outline

- Watershed Management
- Historical Flood Events
- High Water Event Management

Comprehensive Watershed Management Plan

- Minimize pollutants at source
 - Conduct Greenprint of Lake Worth watershed
 - Identify high value conservation zones
 - Protect high value zones through conservation easements and development regulations
 - Promote low-impact development
 - Adopt storm water management best practices
 - Promote incentive programs for SWMBP
- Establish and maintain collection points at discharge into Lake Worth
 - Sedimentation basins
 - Catch basins





Flood Categories

•	Action Stage	594'
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- Flood Stage 597'
- Moderate Flood Stage 598'
- Major Flood Stage 599'

Historic Crests

- 598.70 on May 3,1990
- 598.13 on October 14,1981
- 597.98 on December 20, 1991

Recent Crests

- 597.78 on June 10, 2004
- 597.47 on June 20, 2015
- 596.72 on November 28, 2015
- 595.33 on March 1, 2001

National Weather Service Advanced Hydrologic Prediction Service

water.weather.gov/ahps/



Observations courtesy of US Geological Survey .

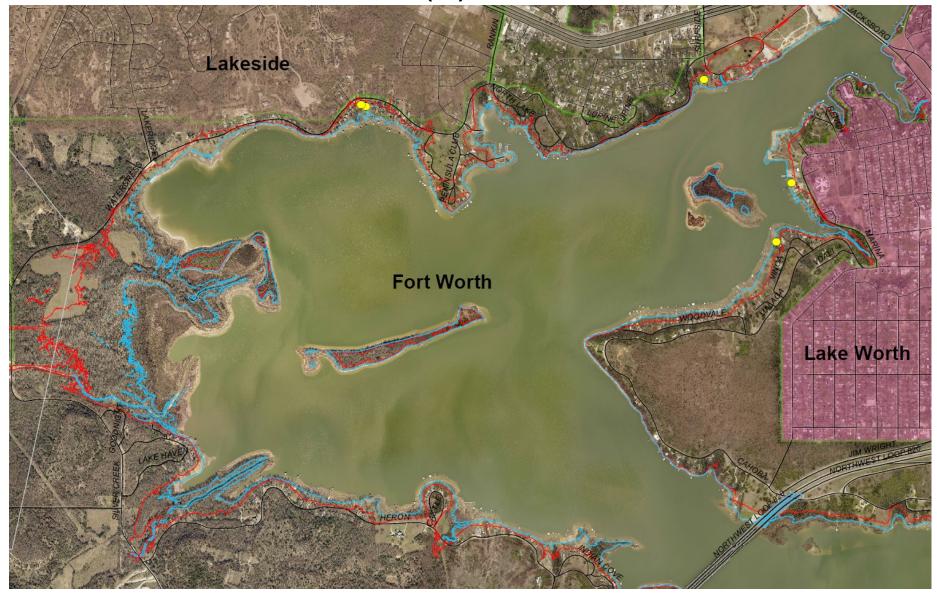
Residential Flooding Elevations

- Food event defined as one where flood waters exceed the finished floor elevation of a residential structure.
- City acquired a "flood easement" at the time of sale from 594.0 to 600.0 to provide for water storage during high water events.

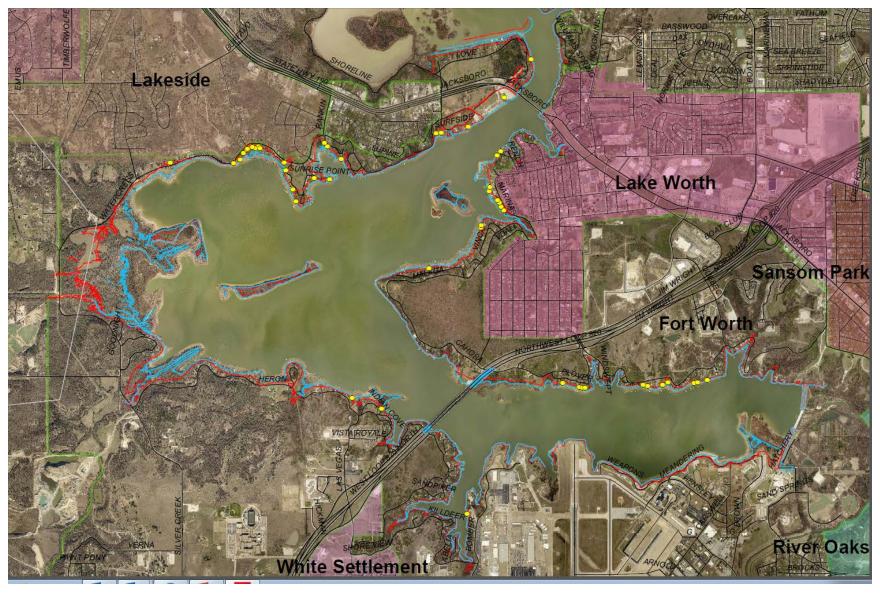
High Water Event Management

- Notification of potential flooding of low lying houses begins at 595.0
- Emergency Operation Center notified at 595.0
- Boating activities are banned when elevations reach 595.5
- Flooding of low lying houses begins at 596
- 100 yr. Flood Elevation is 600

HOUSES BELOW 598 (5)



HOUSES BELOW 600 (45)



Websites

http://ww.trwd.com/lake-level-blog

 http://water.weather.gov/ahps2/ hydrograph.php?wfo=fwd+gage=flw+2

Questions?