Lake Worth Action Plan

Presented by Ricky Salazar, Property Management Department
Lake Worth Action Plan

• General Information
  • Lake Worth has an uncontrolled spillway. There are no gates or sluices to regulate water flow from the dam.
  • City Marshals Office Lake Patrol monitors lake elevation and conditions, including debris in the lake.
• Elevation Information
  • Spillway Elevation: 594 Feet
  • Emergency Spillway Elevation: 603.5 Feet
National Flood Categories

- 599.0 Major Flood Stage
- 598.0 Moderate Flood Stage
- 597.0 Flood Stage
- 594.0 Action Stage

(All Data from National Weather Service Advanced Hydrologic Prediction Center Website)
Flood Impact Elevations – Lake Worth

- 599.0 – Major flooding with many houses flooded.
- 598.7 – Major flooding along the lake shore.
- 598.5 – Major flood problems along the lake shore.
- 598.0 – Moderate flooding along the lake shore. Some houses begin to flood.
- 597.0 - Minor flood problems occur. Water begins to flood low areas.
- 595.0 - Minor water flow over the spillway is expected but no flooding is forecast.
- 594.0 – No flood problems are expected. Water will flow over the spillway.
Flood Impact Elevations

• Lowest elevation for a residence is 596.9165 feet
Lake Worth Action Plan - Responsibilities

Office of Emergency Management (OEM)

When the lake reaches an elevation of 595.5 feet, schedule a meeting with the following to consider implementation of this plan.

- City of Fort Worth City Marshals Office
- City of Fort Worth Communication and Public Engagement Office
- City of Fort Worth Fire Department
- City of Fort Worth Property Management Department
- City of Fort Worth Police Department
- City of Fort Worth Water Department
- Fort Worth Transportation Authority
- American Red Cross
- Tarrant County Public Health
- Texas Division of Emergency Management
- Fort Worth Park and Recreation Department – Nature Center
- Fort Worth Transportation and Public Works
- City of Fort Worth Neighborhood Services Department
- Tarrant Regional Water District
- City of Lake Worth
- MedStar
- Fort Worth ISD
Office of Emergency Management – Responsibilities

• Receive reports from the National Weather Service and the Tarrant Regional Water District regarding weather and lake conditions.

• Make determination to activate and coordinate the implementation of this plan.

• Issue notifications to property owners and residents as necessary via Nixle.

• Communicate with the City of Lake Worth regarding street closures.

• Disseminate notice of lake closing and reopening by voice message through Nixle. A message template can be found in Appendix 3 - Lake Worth Action Plan Nixle Message Template.

• Coordinate with Tarrant County Public Health to determine if prophylactic tetanus vaccinations are necessary and determine the need for vaccinations.

• Contact Neighborhood Services Department to open shelters.

• Contact The American Red Cross to staff the shelters.

• Contact Fort Worth Transportation Authority for transportation to the shelters.

• Notify Fort Worth Police Department for evacuation assistance.

• Notify City Manager’s Office when this plan is implemented.

• During heavy/prolonged rain events the OEM Duty Officer will monitor the Lake Worth elevation.

• Maintain an updated Telephone Contact List.
Fort Worth Property Management - Responsibilities

• Receive reports from the National Weather Service and the Tarrant Regional Water District (TRWD) regarding weather and lake conditions.

• Make decisions regarding closing (596) and reopening (595) the lake to boat traffic.

• Notify Police dispatch and the Office of Emergency Management.

• Notify the Communications and Public Engagement Office.
Fort Worth Property Management - Responsibilities

- Factors Considered
  - Safety of Citizens
    - Storm debris
    - Boat traffic
    - Flooding
  - Weather forecast
  - Lake Levels
    - TRWD Lake Level Blog
      - Daily reports
      - Monitor discharge levels
  - Corp of Engineers
    - Bridgeport
    - Eagle Mountain
<table>
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<tr>
<th>Reservoir</th>
<th>Elevation (feet)</th>
<th>Conservation Pool</th>
<th>Difference</th>
<th>24 Hour Change</th>
<th>Release (cfs)</th>
<th>Flood Pool</th>
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Reservoir Monitoring Update

May 15th, 2019

TRWD continues to monitor reservoir conditions 24 hours a day. Another rain-free day is expected today. Saturday is still the next chance for rain. Follow the National Weather Service (NWS) and the River Forecast Center (RFC) for the latest information regarding the weather and river conditions, respectively.

All TRWD reservoirs are discharging, and either receding or within 3 inches of conservation level. TRWD will continue to evaluate conditions at the reservoirs and downstream to determine the safest way to manage the excess flood water.

Please be advised that forecasts and projections are subject to change, and TRWD reservoir operations are based on observed rainfall conditions. Until further notice, updates will be provided daily by 10 a.m. Please check back tomorrow.

Reservoir Conditions as of May 15, 2019 at 9:00 AM

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<th>Departure from Conservation feet</th>
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*Lake Worth is owned and operated by the City of Fort Worth. See City of Fort Worth news feed for updates on Lake Worth.

Please call the Flood Hotline for further information.

817-720-4296.

If prompted to leave a message, the flood monitor on duty will return your call within 30 minutes.
Fort Worth Communications and Public Engagement Office – Responsibilities

- Issue a media release advising closing and reopening of the lake to boat traffic. A message template can be found in Appendix 2 - Lake Worth Action Plan Media Release Template.
- Issue notifications to residents.
- Post webpage and social media information for the general public.
Fort Worth City Marshal’s Office - Responsibilities

- Monitor the lake level and flood conditions.
- Close and reopen boat ramps on the lake per direction from the Fort Worth Property Management.
- Assist in the notification and evacuation of residents.
- Make recommendations as to whether the lake is open for boating or swimming.
- Coordinate with the Office of Emergency Management and other departments as necessary.
- Notified the Federal Bureau of Prisons before or near the Emergency Spillway Elevation of 603.5.
Fort Worth Police Department - Responsibilities

• In coordination with the City Marshal’s Office, conduct door-to-door notification of the evacuation order.
• Provide warning to residents of the affected area via vehicle siren and public address systems.
• Secure the evacuated areas.
• Provide a mobile command post vehicle, if necessary.
• Provide security at the shelter location(s).
• Respond to calls for assistance at the shelter location(s).
• Coordinate with the Office of Emergency Management and other departments as necessary.
Fort Worth Fire Department - Responsibilities

• Provide support and personnel to assist the Fort Worth Police Department in notifying residents.
• Rescue stranded residents as flooding makes residences uninhabitable.
• Rescue stranded motorists as roads become impassible.
• Provide Emergency Medical Services (or MedStar) if needed to the affected areas.
• Coordinate with the Office of Emergency Management and other departments as necessary.
Important Lake Elevations

• **595.5 feet** - Schedule a meeting with COFW departments and stakeholders to consider implementation of this plan

• **596 feet** – Property Management Departments makes to the decision to close the lake to boat traffic.

• **596.9165 feet** – Lowest elevation for at risk residential structure.
Websites

• [http://feeds.fortworthtexas.gov/cfwnews](http://feeds.fortworthtexas.gov/cfwnews)
  • Lake Worth boat ramp closing and reopening

• [https://www.trwd.com/flood-protection/blog/](https://www.trwd.com/flood-protection/blog/)
  • TRWD Lake Level Blog

• [http://www.swf-wc.usace.army.mil/cgi-bin/rcshtml.pl](http://www.swf-wc.usace.army.mil/cgi-bin/rcshtml.pl)
  • Lake Level
Thank you

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Ricardo.Salazar@fortworthtexas.gov