

# June 2017 3-Day Rainfall Event: Update

Tommy Strowd, P.E.  
Director of Operations and Maintenance  
June 14, 2017

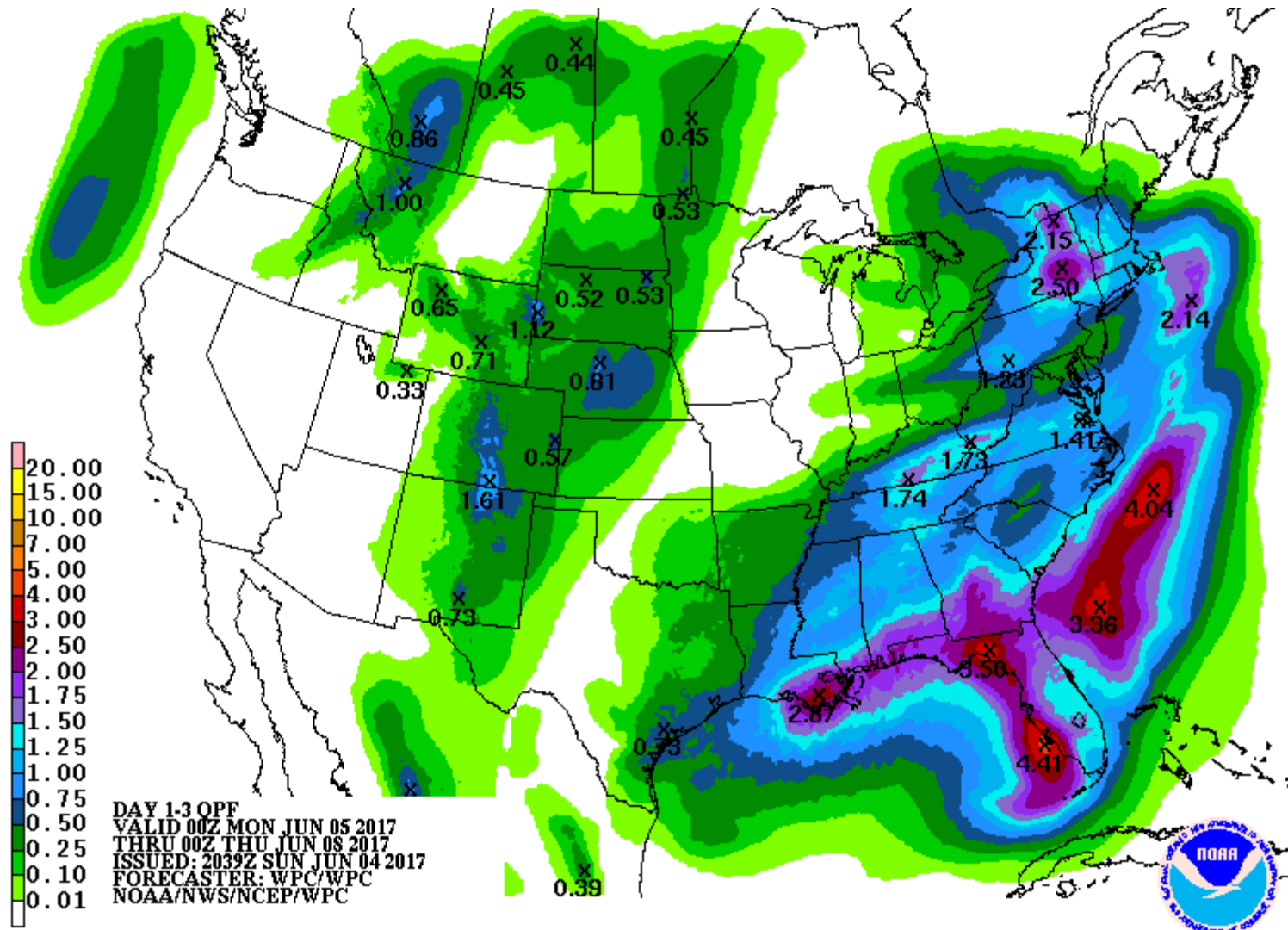


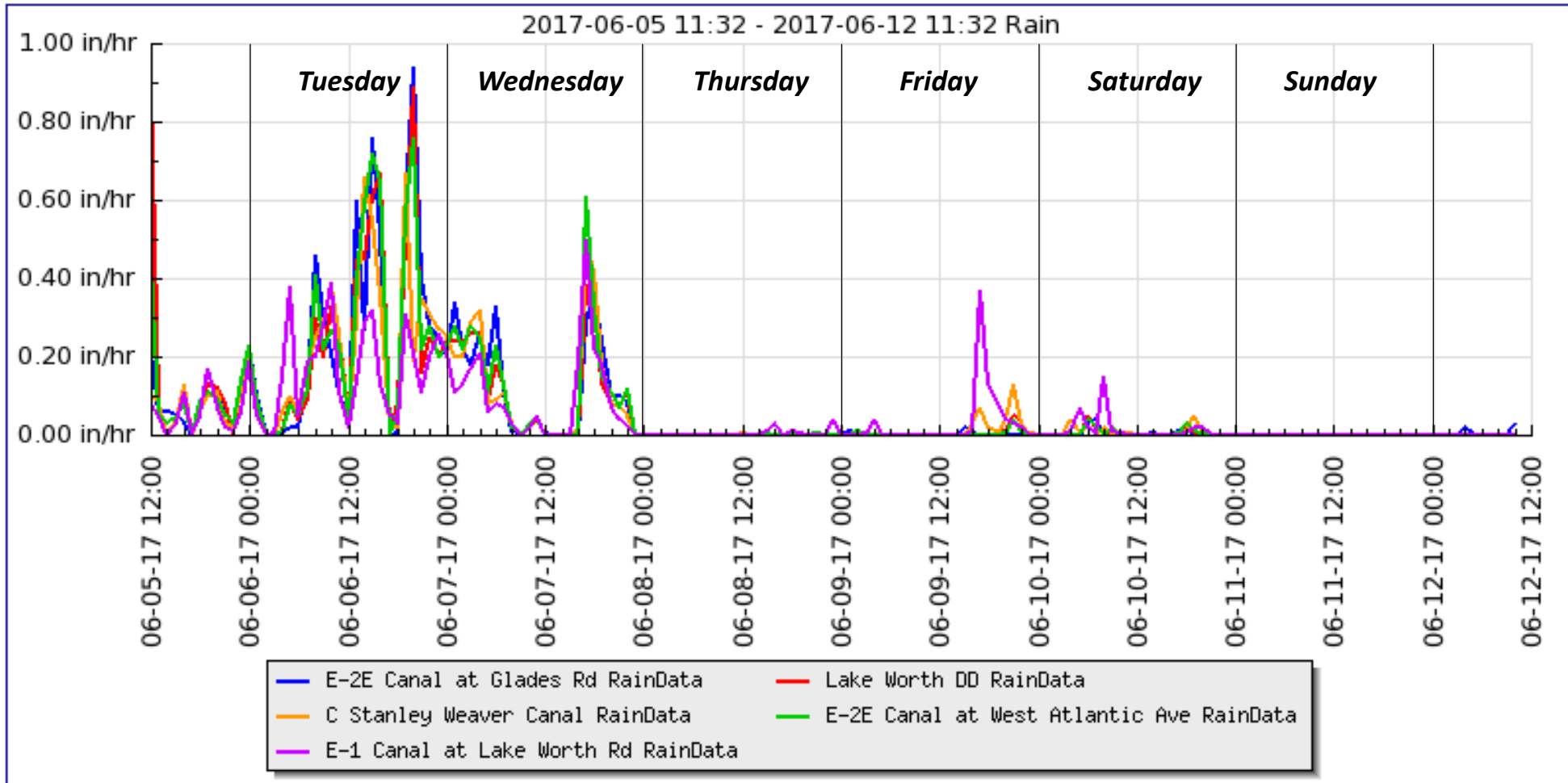
# Summary of Event



- The excessive rainfall quantities received were not forecasted and therefore no 'pre storm' operations were initiated.
- For the previous several months, no releases from the system were required due to excessively low groundwater levels and corresponding low lake levels observed in communities across LWDD as a result of consistent deficit rainfall during the dry season.
- As rainfall accumulations were noted and revised forecasts released by the National Weather Service, LWDD responded by incrementally opening the major water control structures during the day on 6/6/17; ultimately making maximum flood releases by the evening of the 6th.

# 3-Day Rainfall Forecast – June 5, 2017





- Distance / Rain / Tide
- PowerPack Voltage
- Signal Strength
- Signal Quality

Time Period:    
From:   
To:

Adjust Scale - [Reset](#)

Max Y:   
Min Y:

Long Filter

- Gaps
- Fill Gaps
- No Filter

# Southern Portion of LWDD

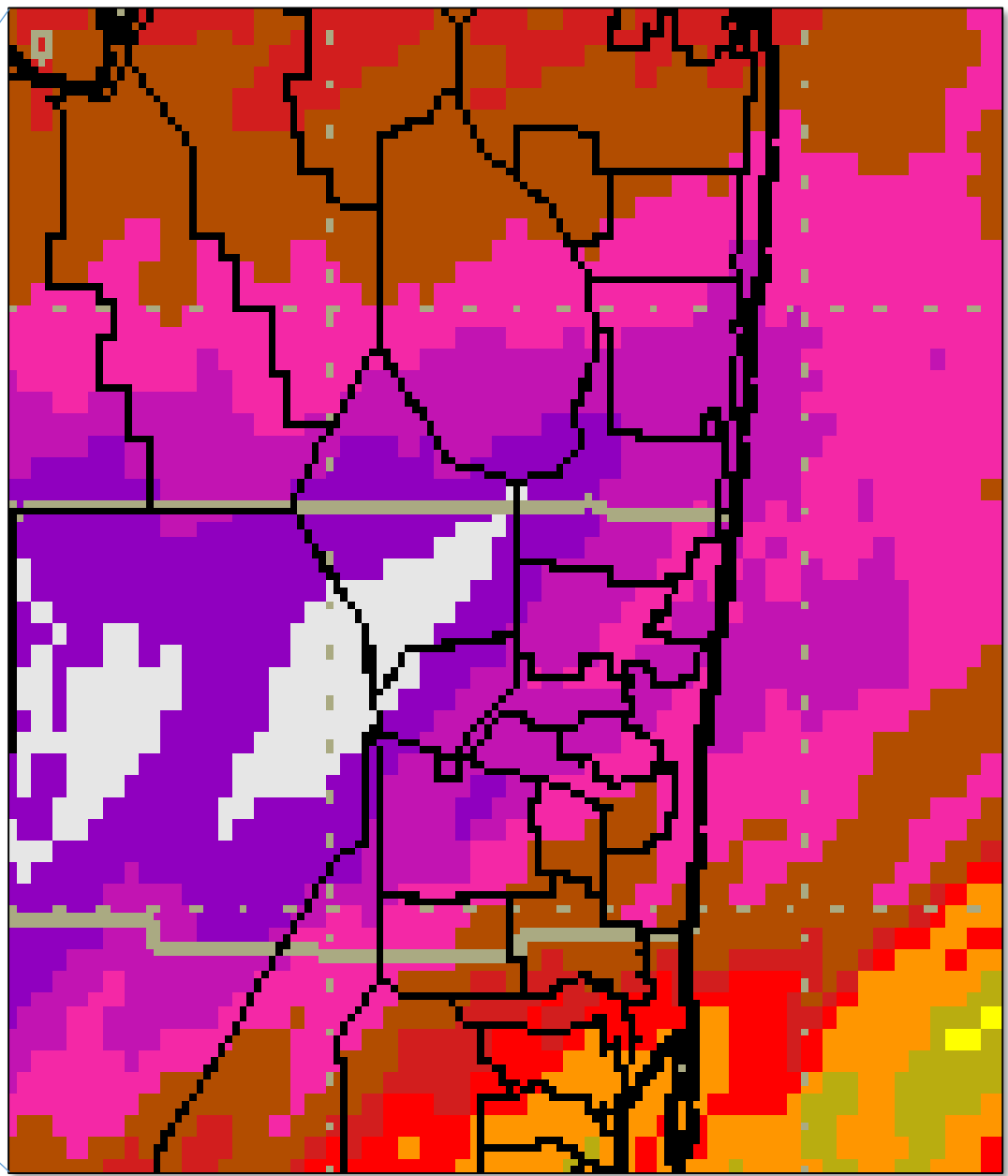
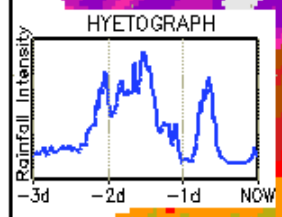
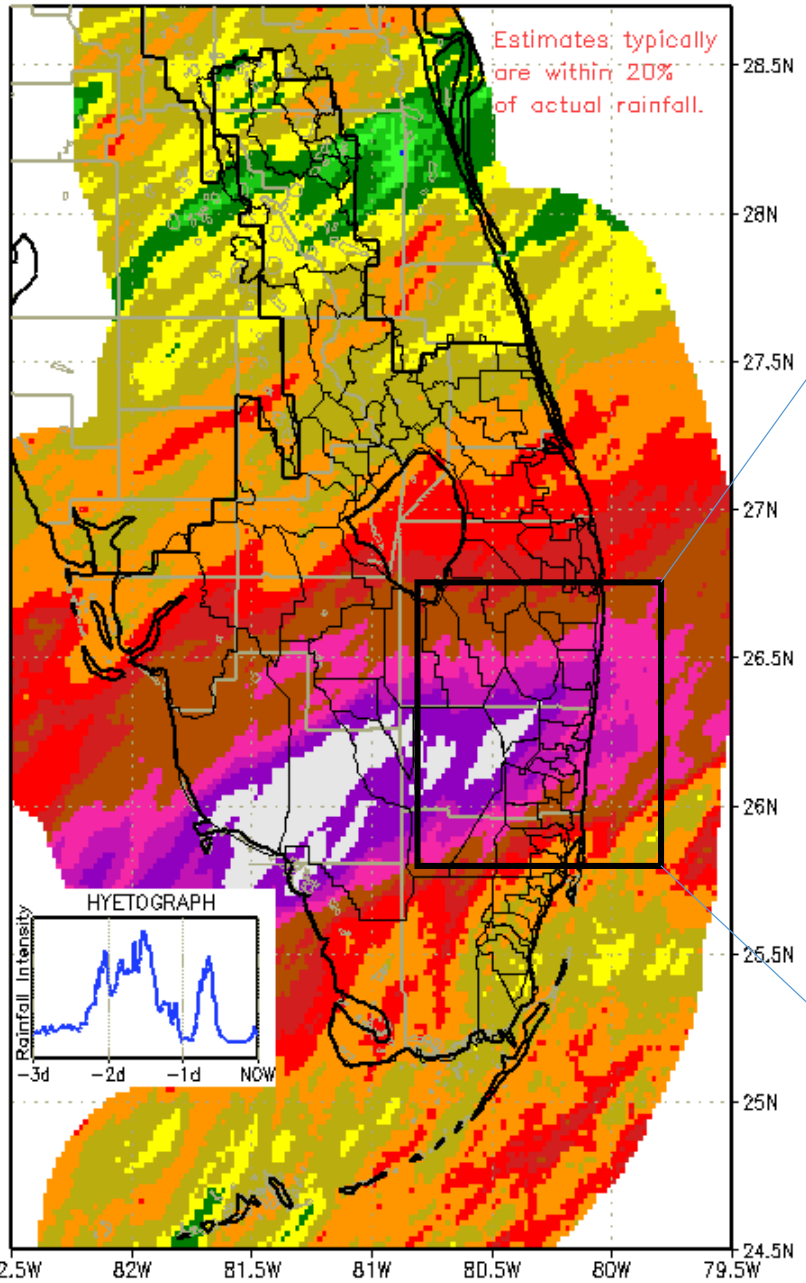
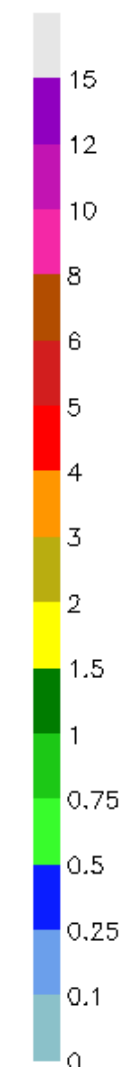


- Based on the SFWMD 3-day rainfall excessive rainfall amounts occurred over the 3-day period between the 5th and the 8th. Portions of the Hillsboro Basin were hit the hardest with rainfall accumulations exceeding 15 inches in isolated areas-- the bulk of the southern portion of the District received between 8 and 15 inches

# SFWMD PROVISIONAL RAINDAR 3-DAY RAINFALL ESTIMATES

FROM: 0800 EST, 06/05/2017 THROUGH: 0800 EST, 06/08/2017

Estimates typically  
are within 20%  
of actual rainfall.



DISTRICT-WIDE RAINFALL ESTIMATE: 6.467"

# Boca Chase





Boca Green





# Boca Green



10315 Camelback Ln.

# Lakes of Boca



# Saturnian



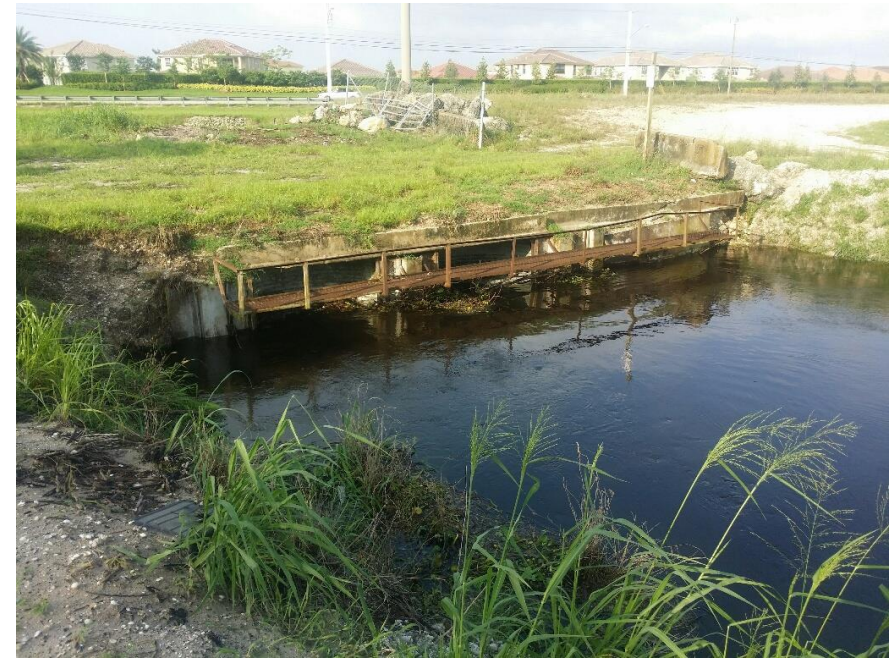


Symphony Bay

# Symphony Bay



# E-1W-S at Hillsboro Canal



# Immediately After the Storm Event



- In the immediate aftermath of the storm event, LWDD staff coordinated with residents and local HOA's in response to flooding reports / concerns.
- Depending on specific conditions, a number of communities were given the opportunity to open their respective Operable Gated Discharge Structures after the rains had subsided in order to release additional water, above-and-beyond the discharge allowed by their passive drainage structures.

# Community Coordination



- Allowed the operation of community operable gates on a case-by-case basis
  - 25 communities were given permission to open after LWDD canals began to recover
- Emergency Information Line
  - Received a total of 540 calls from Tuesday thru Sunday
    - 83 calls were taken in overnight hours



# Key LWDD Staff



- Allowed the operation of community operable gates on a case-by-case basis
  - Doug Gunther – Lead Water Manager
    - George Aylor
    - Bob McLaughlin
    - Lany Altman
    - Troy Lee
  - Vickie Demerski – Emergency Information Line
    - Nicole Smith
    - Melissa Wheelihan
    - Diana Acosta
    - Megan Hoffman
    - 25 communities were given permission to open after LWDD canals began to recover
  - Emergency Information Line
    - Received a total of 540 calls from Tuesday thru Sunday
      - 83 calls were taken in overnight hours

# Questions