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# **Weather Briefing for the Remnants of Andrea**

## **Friday through Saturday, 6/7-8/2013**

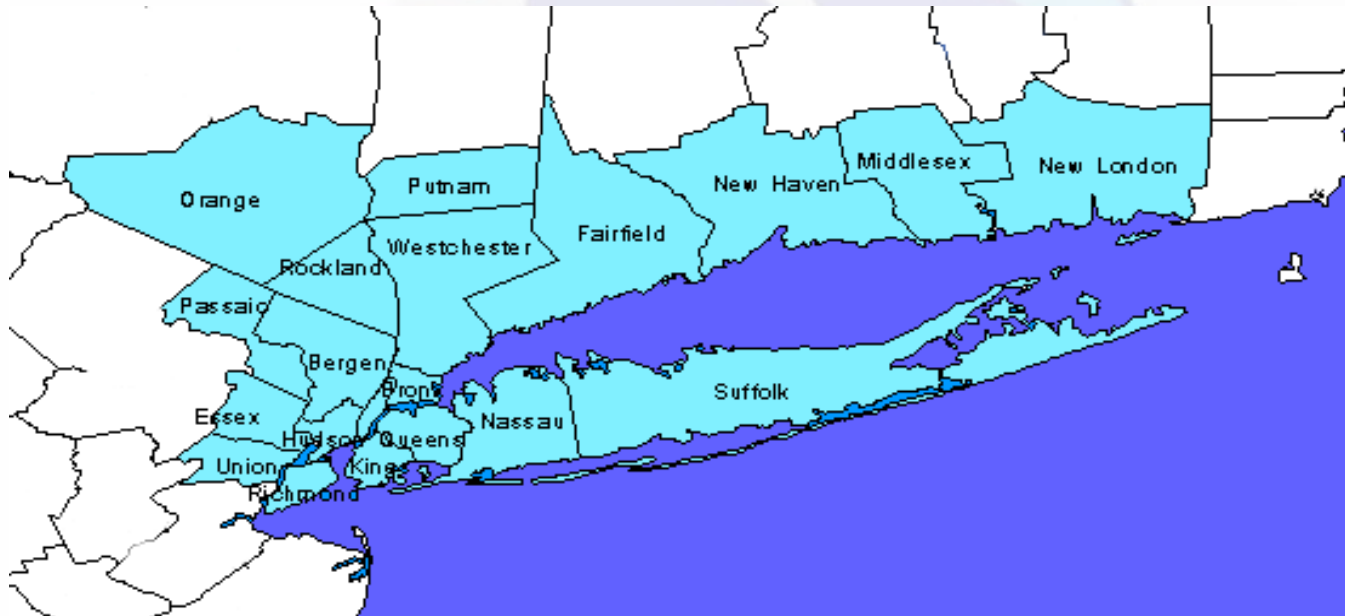
**Prepared 10:30 am EDT Friday, June 7, 2013**

**National Weather Service New York, NY**



# Purpose of Briefing

- Promote Situational Awareness
- Provide Guidance for Planning
- Briefing Applies to Area Shaded in Blue





# Summary of Headlines



- Flash Flood Watch through Saturday Afternoon
- Coastal Flood Advisory for this Evening's and Tonight's High Tides
- High Risk of Rip Currents across Atlantic Ocean Beaches Today
- Small Craft Advisory for Coastal Waters through Saturday Night



# Summary of Potential Impacts

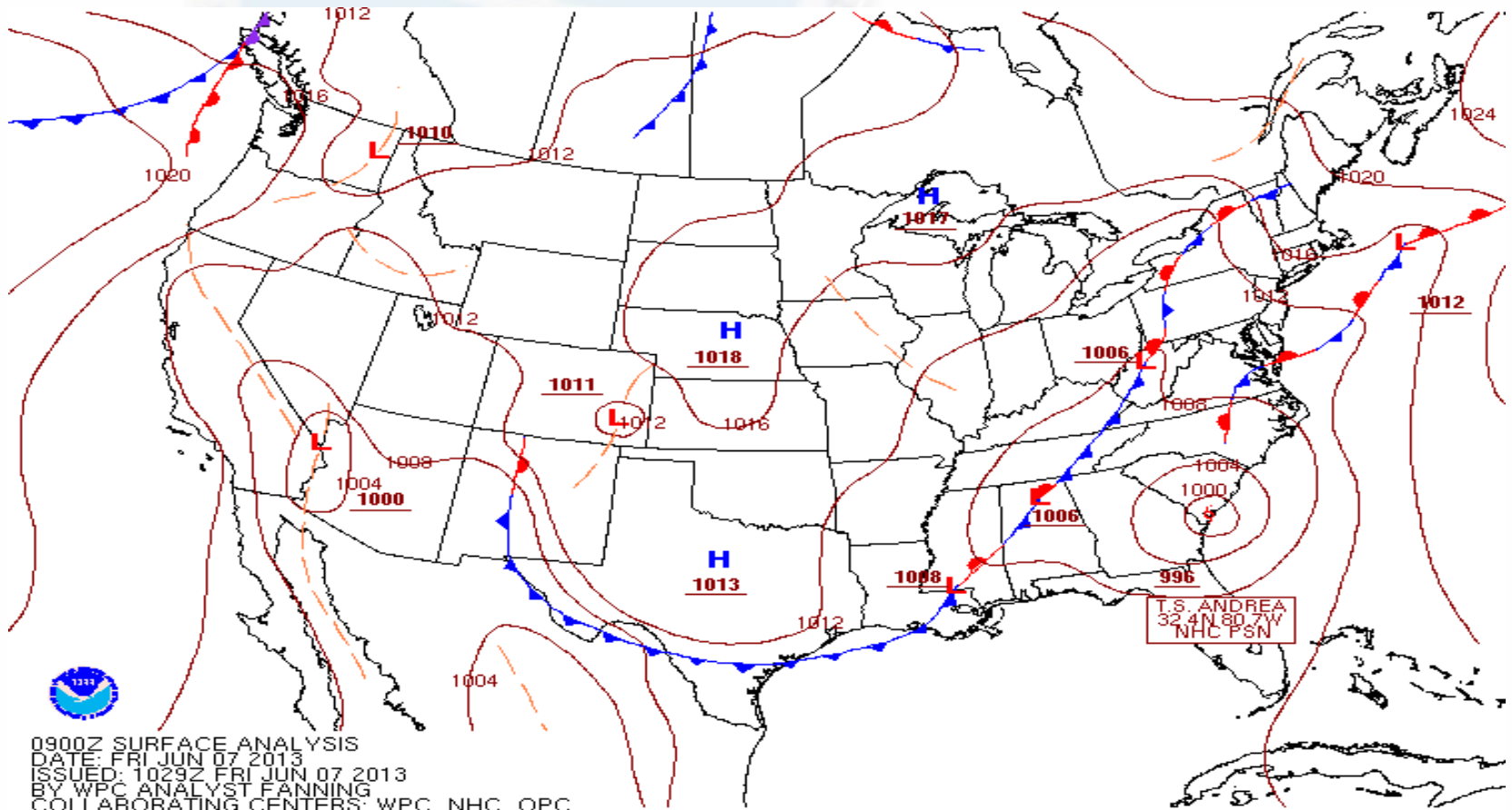


- Freshwater Flooding Friday through Saturday
  - Urban Flooding of Poor Drainage and Low Lying Areas
  - Small Stream Flooding
  - River Flooding
- Minor Coastal Flooding during Friday Evening's High Tides
  - New Moon Predicted on Sat. June 8
  - Surges up to 2 Feet



# Weather Map

## 5 am EDT Fri. 6/7/2013



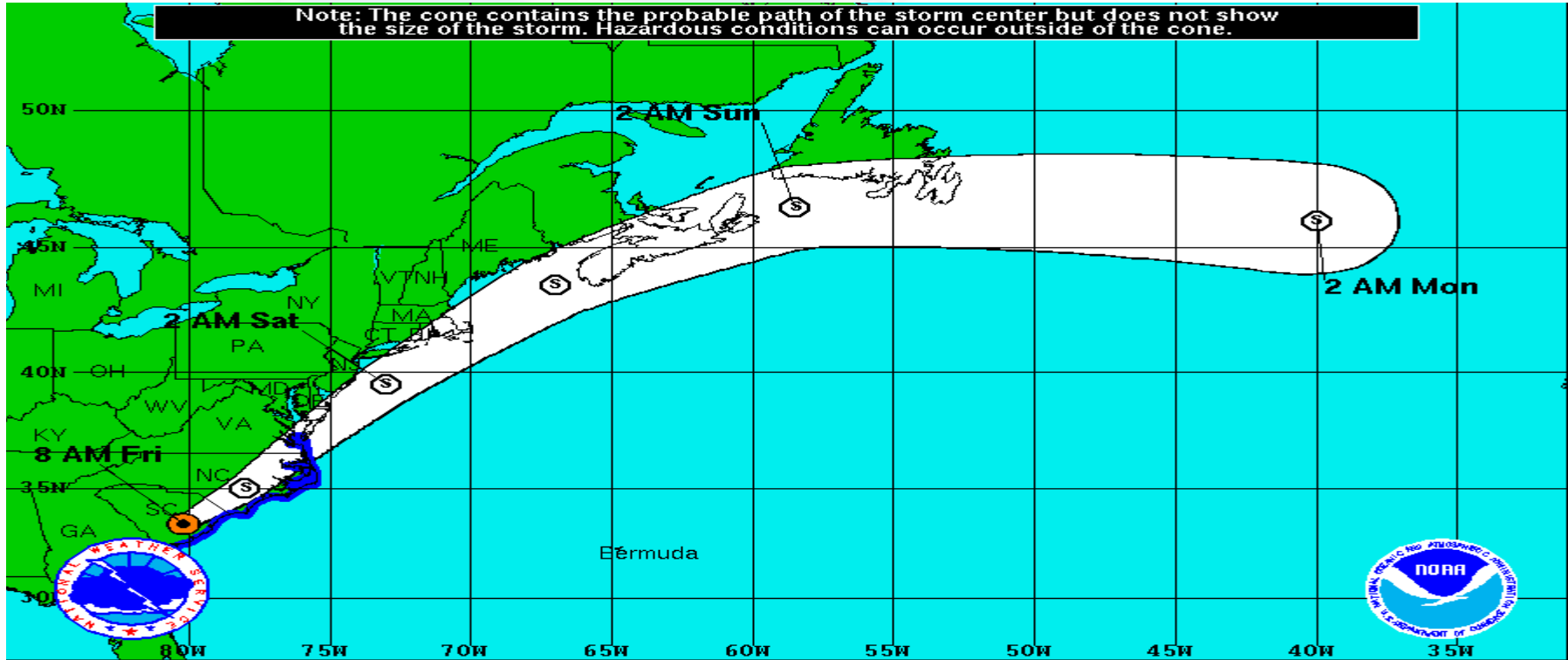
0900Z SURFACE ANALYSIS  
DATE: FRI JUN 07 2013  
ISSUED: 1029Z FRI JUN 07 2013  
BY WPC ANALYST FANNING  
COLLABORATING CENTERS: WPC, NHC, OPC



# National Hurricane Center 8 AM Public Advisory



Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.



**Tropical Storm Andrea**  
Friday June 7, 2013  
8 AM EDT Intermediate Advisory 7A  
NWS National Hurricane Center

**Current Information:**  
Center Location 33.4 N 80.2 W  
Max Sustained Wind 45 mph  
Movement NE at 28 mph

**Forecast Positions:**  
● Tropical Cyclone ○ Post-Tropical  
Sustained Winds: D < 39 mph  
S 39-73 mph H 74-110 mph M > 110mph

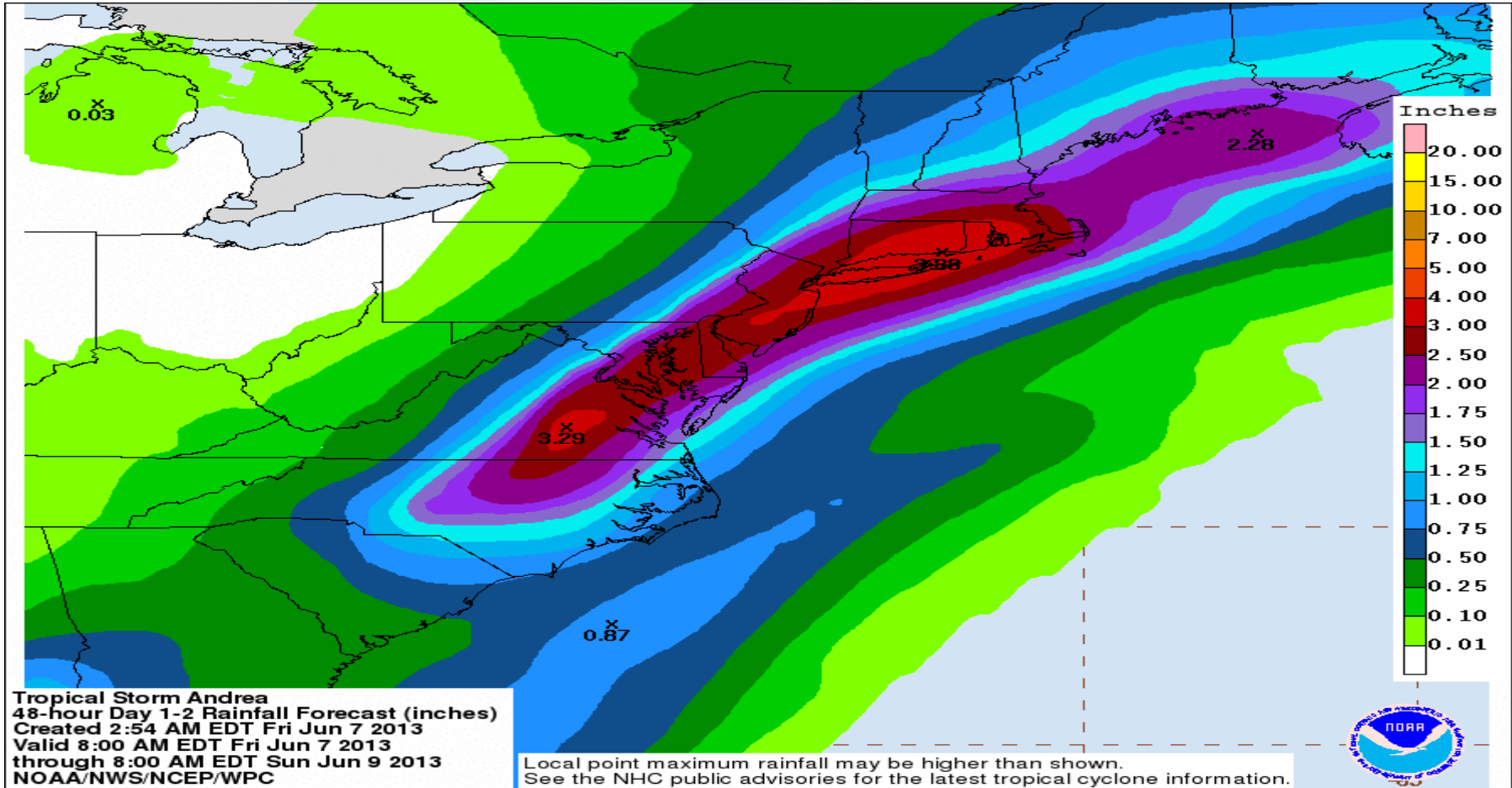
**Potential Track Area:**  
▭ Day 1-3 ▨ Day 4-5

**Watches:**  
■ Hurricane ■ Trop. Storm

**Warnings:**  
■ Hurricane ■ Trop. Storm

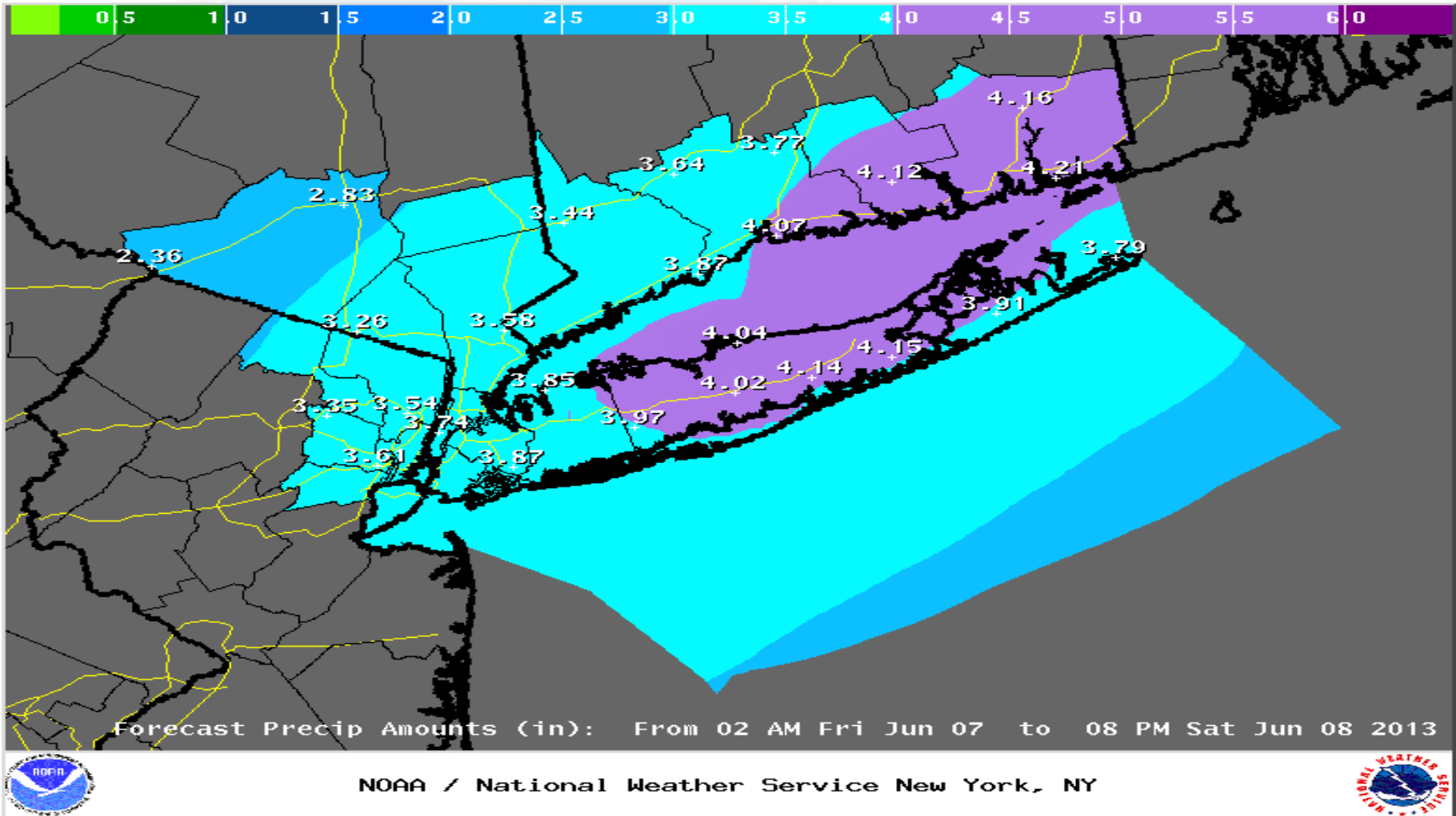


# Storm Total Rain Forecast Eastern U.S.





# Storm Total Rain Forecast Isolated Amounts of 5 Inches







# Rainfall Amounts (Inches) through 8 am EDT



- Harrison, NJ 1.17
- Newark Airport 0.97
- Central Park 0.94
- Teterboro Airport 0.86
- Yorktown Heights 0.70



# Complicating Factors



- Maximum Hourly Rates of 1-2 Inches will cause Flash Flooding
- Heavy Rain is Forecast with the Approach of High Tides and East Winds Gusting to 30 MPH
  - Enhances potential for a combination of Freshwater and Tidal Flooding



# Forecast Uncertainties



- UNCERTAINTY for WHERE one or more axes of Heavy Rain develops
- Can NOT Pin Point the Exact Locations for Heaviest Rain

**Prepare for Flooding**



# Timing the Rain Hourly Weather Graphs



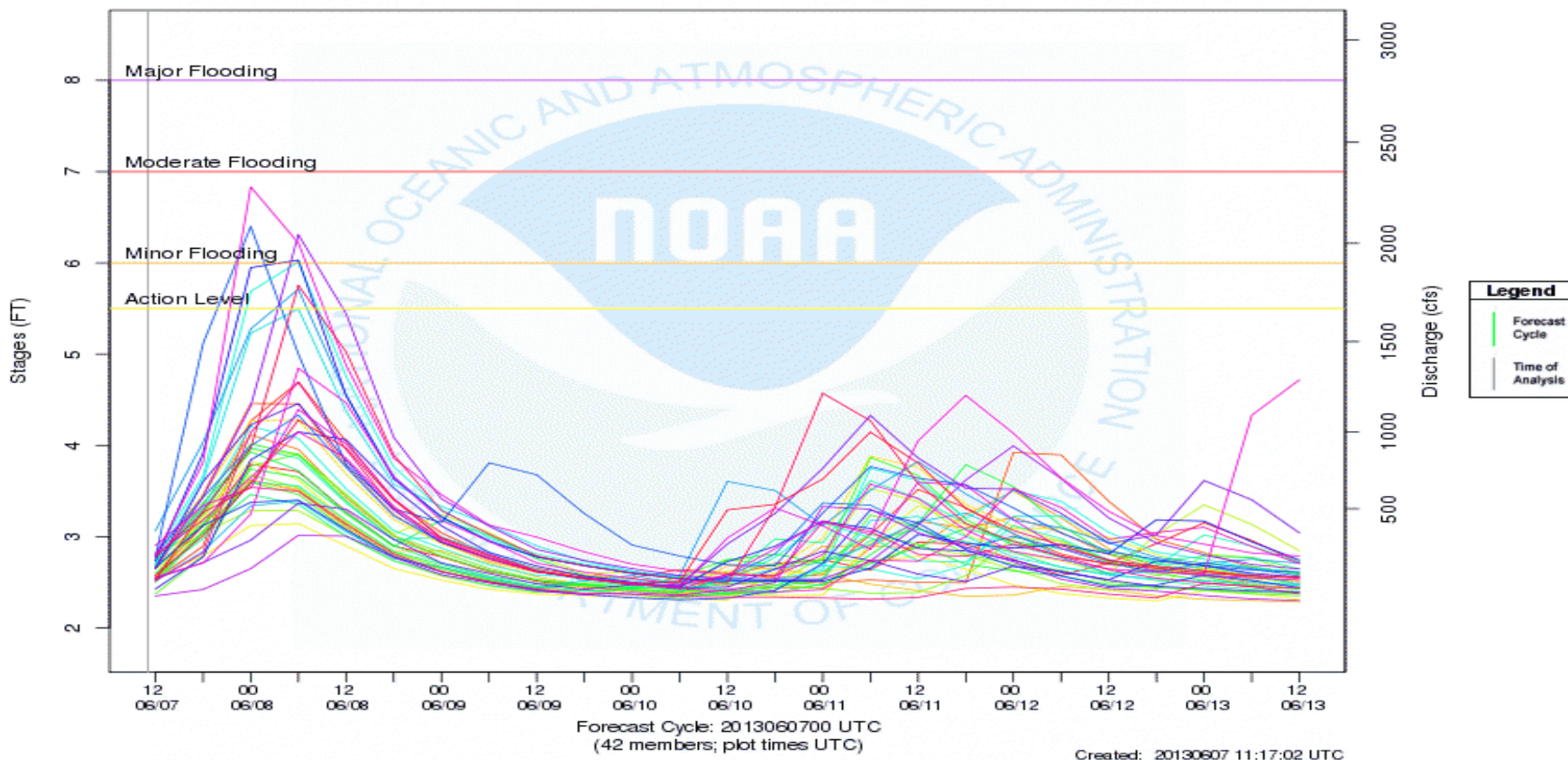
- Orange County, NY
  - through 4 AM Saturday
- New York City
  - through 6 AM Saturday
- New London, CT
  - through 8 AM Saturday



# Worst Case Scenario Saddle River @ Lodi

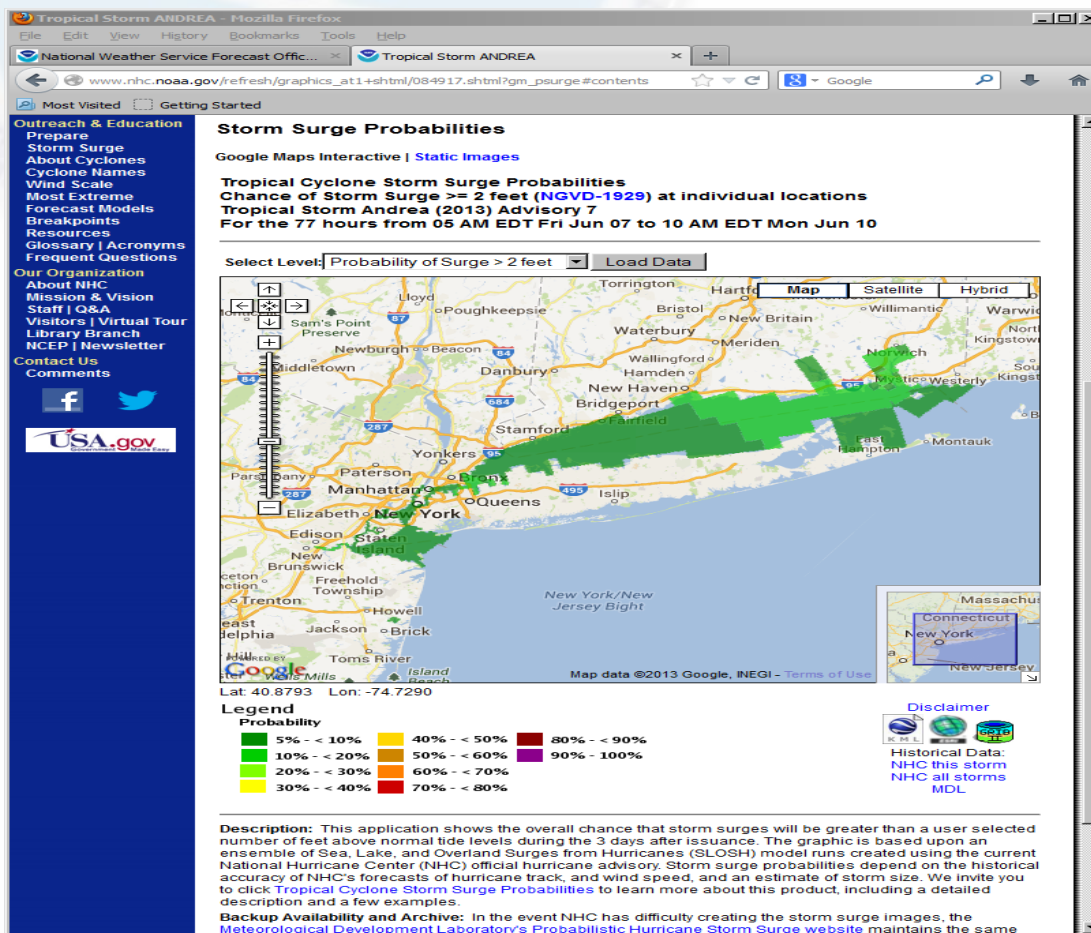


NAEFS-based Stage Simulations Traces  
Saddle R. at Lodi, NJ (LODN4)  
Analysis for the period 06/07/2013 12 UTC - 06/13/2013 12 UTC





# What About the Surge? 1 to 2 Feet





# Winds



- Winds are Forecast to Remain Below Advisory Levels (Sustained 31-39 mph; Gusts 46-57 mph)
- Highest Winds Eastern Long Island and SE CT
  - East at 15-25 mph
- Small Craft Advisory (Winds 25 knots; Seas 5 ft.) for Atlantic Ocean Coastal Waters Fri-Sat

# NWS Facebook Post

<https://www.facebook.com/US.NationalWeatherService.NewYorkNY.gov>

## **FLASH FLOODING SAFETY TIPS**

- **MOST FLASH FLOOD DEATHS OCCUR IN AUTOMOBILES! TURN AROUND DON'T DROWN!**
- ***Do not drive into or through flooded roads, underpasses, low spots, or over bridges covered by water. The water may be too deep to allow safe passage of your vehicle.***
- ***Abandon your car immediately if your vehicle becomes caught in rising water. A water depth of only one foot is enough to cause cars to become buoyant and be swept away.***
- ***Do not attempt to outrun a flash flood on car or on foot.***
- ***Be extra cautious at night! Flash floods can occur at anytime!***
- ***Flash floods are especially rapid in hilly or mountainous terrain.***
- ***If water threatens, move to higher ground immediately.***
- ***Evacuate your home or business if necessary.***



**NATIONAL WEATHER SERVICE**  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Weather Forecast Office  
**New York, NY**

[weather.gov/nyc](http://weather.gov/nyc)

@NWSNewYorkNY

GRAPHIC CREATED:  
6/6/2013 - 9:00 PM



# Long Range Forecast

- Chance of Afternoon and Evening Showers and Thunderstorms on Saturday
- Chance of Additional Showers and Thunderstorms Monday - Tuesday

# Stay Tuned

- Maintain Your Situational Awareness
- Weather Keeps Changing!
- Stay tuned for Potential Warnings
- **This is the LAST Webinar for This Event**

# Questions?

- Get the latest information at:
  - [www.weather.gov/nyc](http://www.weather.gov/nyc)
  - Area Forecast Discussion
  - Hazardous Weather Outlook
- Facebook/Twitter



**National Weather Service  
New York, NY**