

Katrina - Scenario A2: Flooding in St. Bernard Parish

- As depicted in the next set of slides (Figures 24-26), the maximum water elevations in the Lower Ninth Ward and in St. Bernard Parish west of Paris Road in Scenario A2 vary little from the maximum flooding levels actually experienced during the storm, *i.e.*, Scenario A1.
- East of Paris Road, maximum water elevations in Scenario A2 are more significantly diminished relative to Scenario 1.
- These results reflect the greater influence of the Reach 2 levee breaches on the flooding that actually took place east of Paris Road, where the 40 Arpent levee overtopped along much of its length with water flowing through the Central Wetlands through the Reach 2 breaches.
- The A2 Scenario modeling results also confirm that significant flooding would have taken place throughout the Lower Ninth Ward and the portion of St. Bernard Parish west of Paris Road during Hurricane Katrina even absent the Reach 2 levee breaches.

Maximum A2

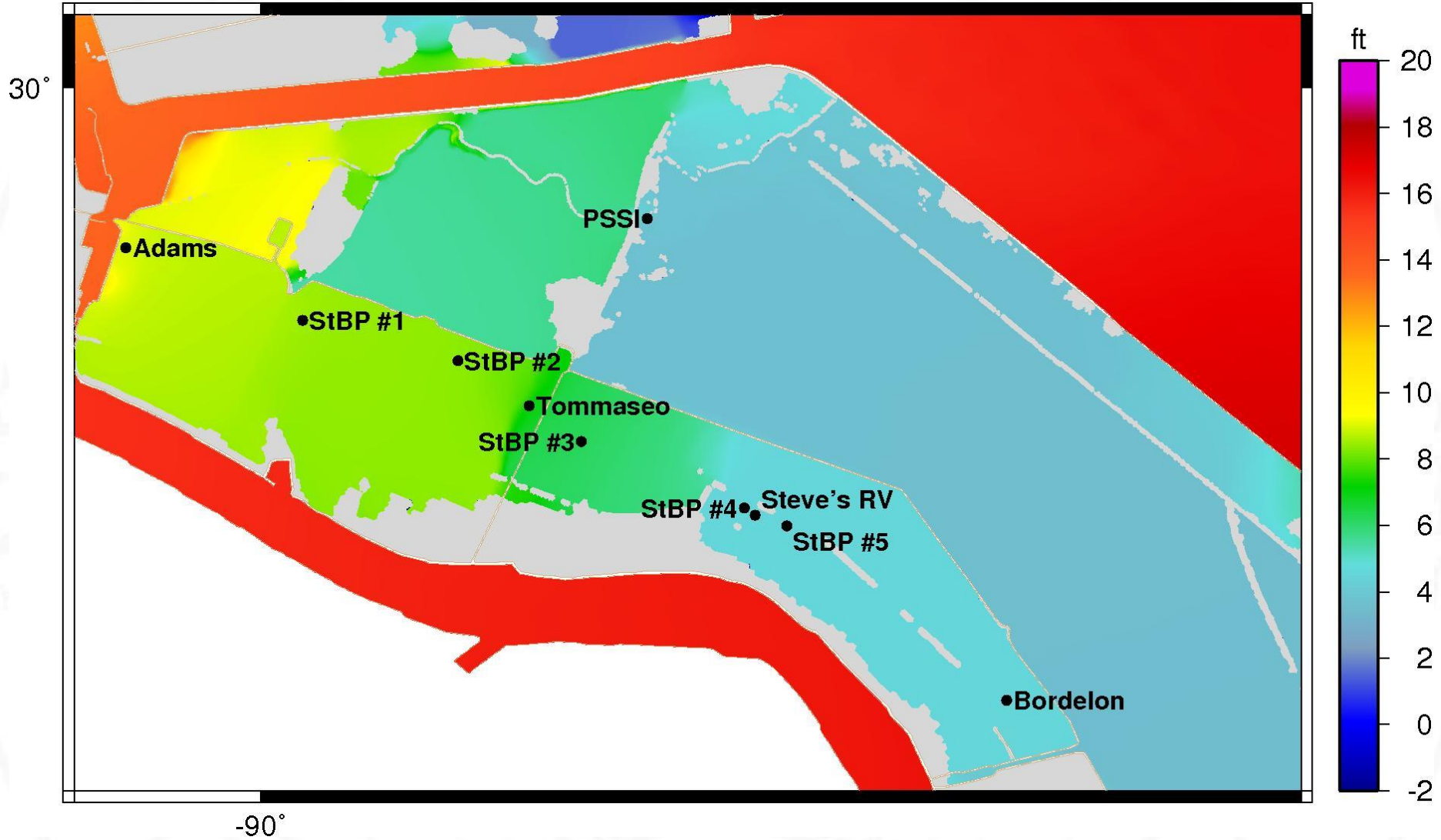


Figure 24

Maximum A1

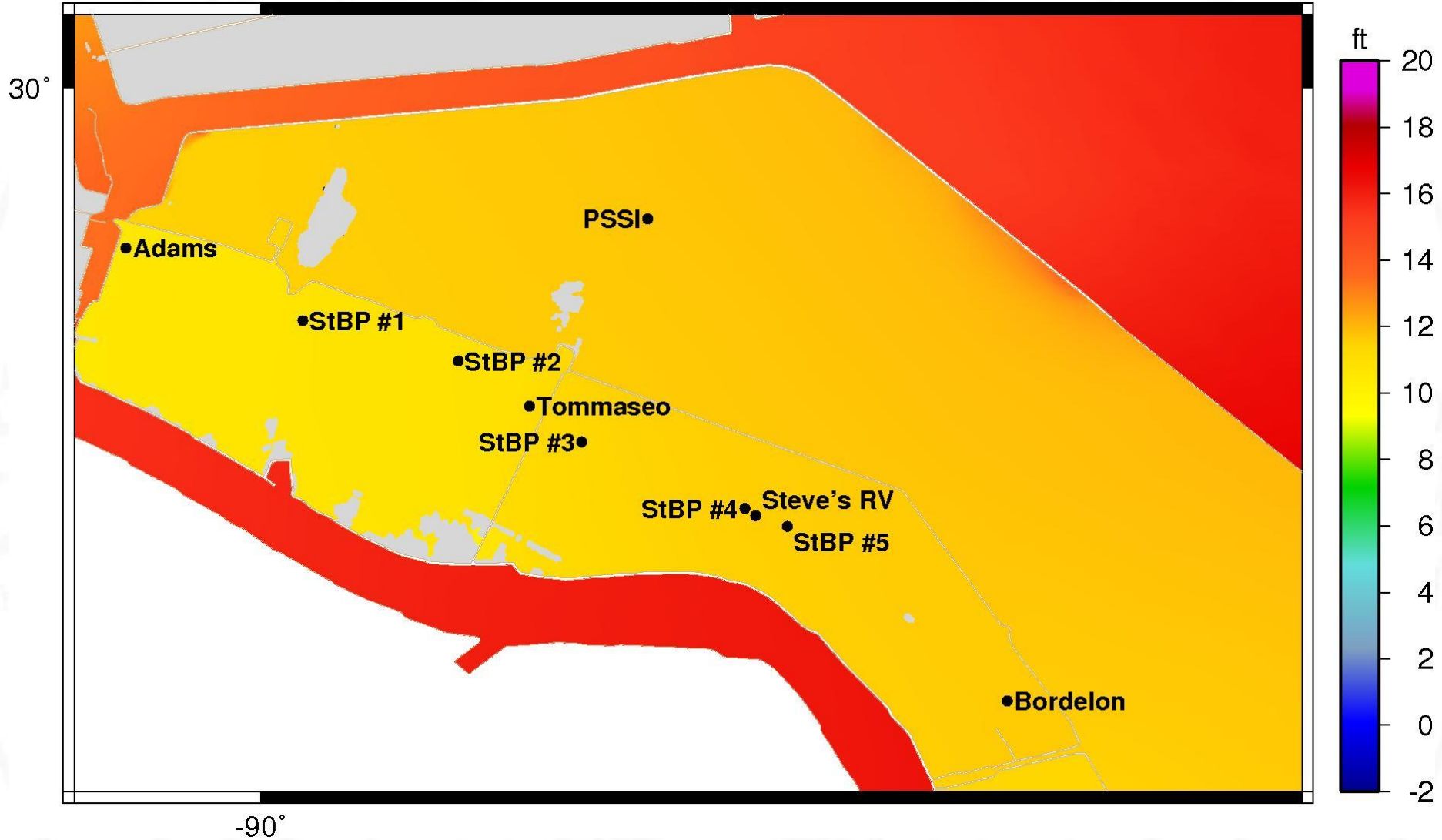


Figure 25

Maximum A1 less Maximum A2

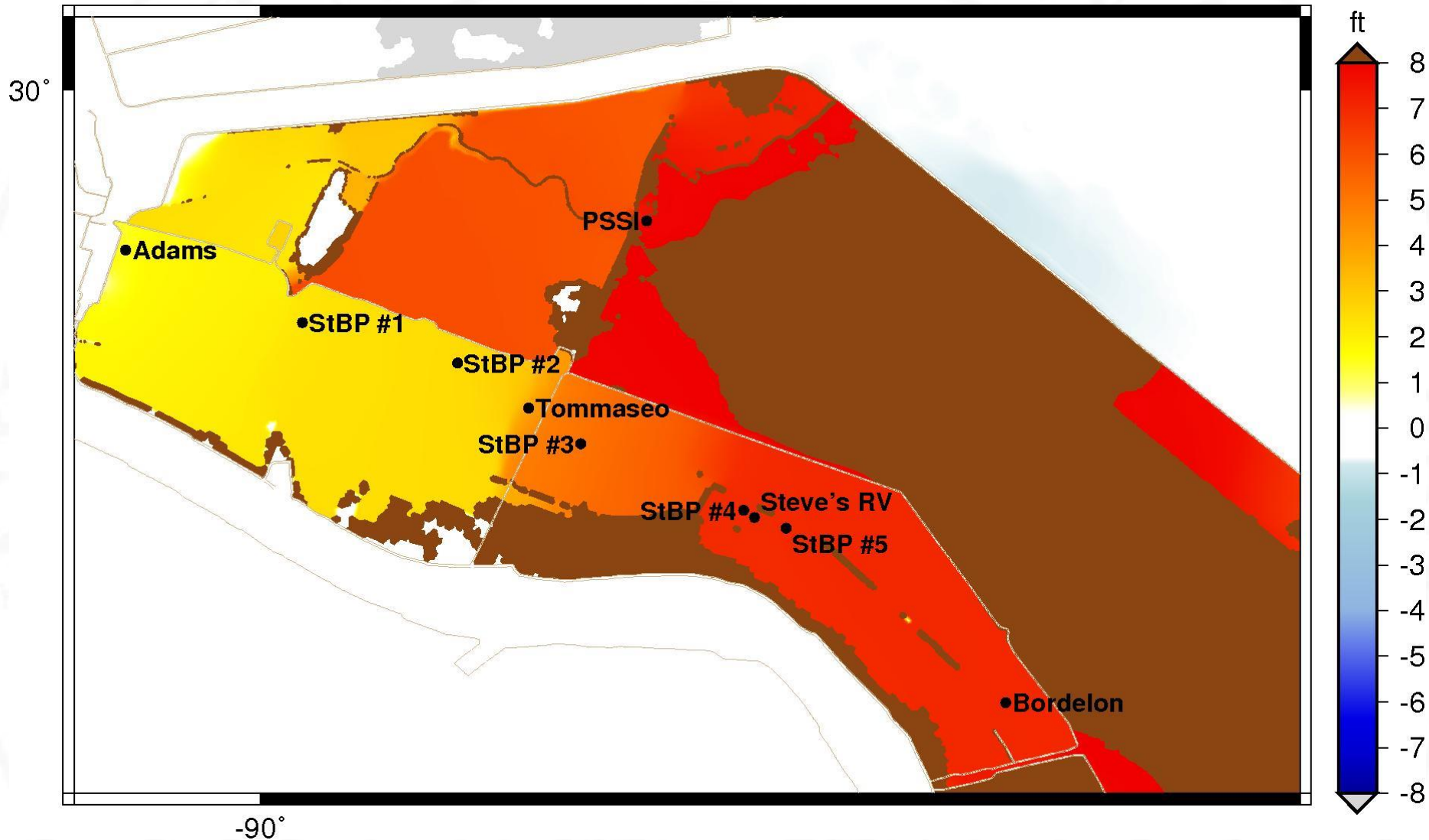


Figure 26

Katrina - Scenario A2: Interior water surface time series at Plaintiff

Properties

- The hydrographs in Figure 27a-k depict the maximum flood elevations and the timing of the flooding at each Trial Property in both Scenario A1 and A2.
- The hydrographs also indicate the geographic location of each Trial Property inside the Polder.

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Katrina - Scenario A2: Interior water surface time series at Plaintiff Properties

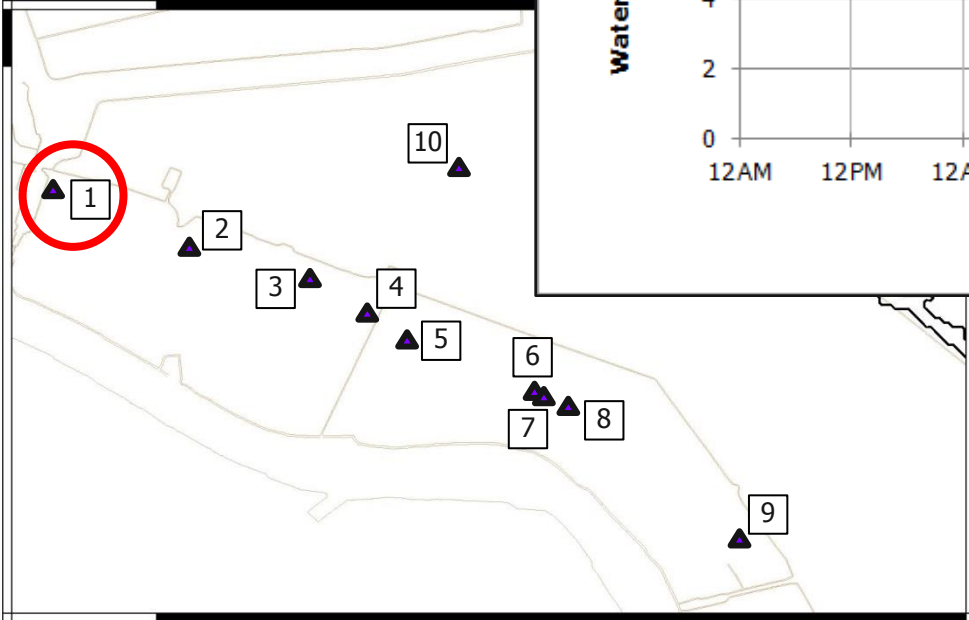
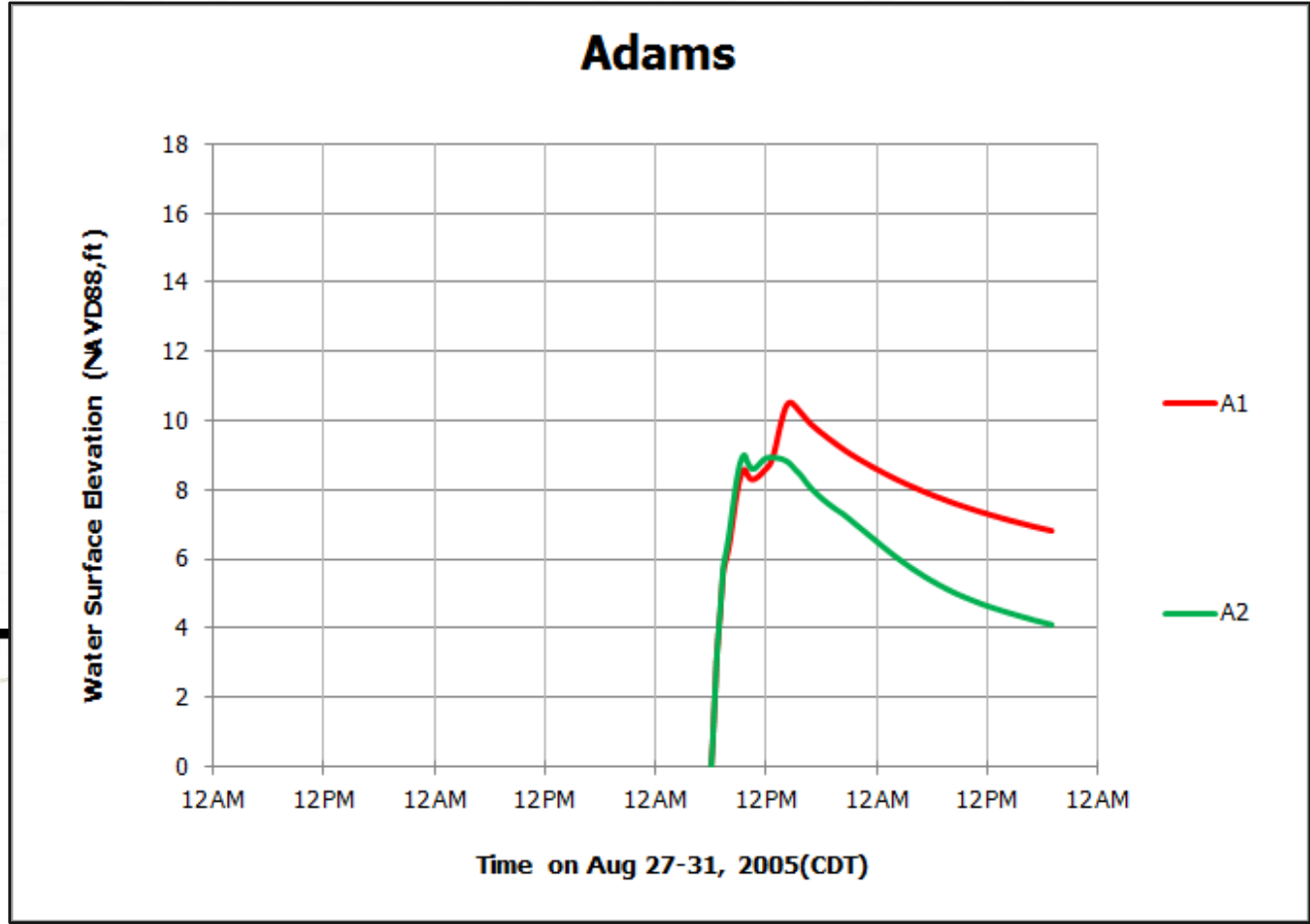


Figure 27a

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Katrina - Scenario A2: Interior water surface time series at Plaintiff Properties

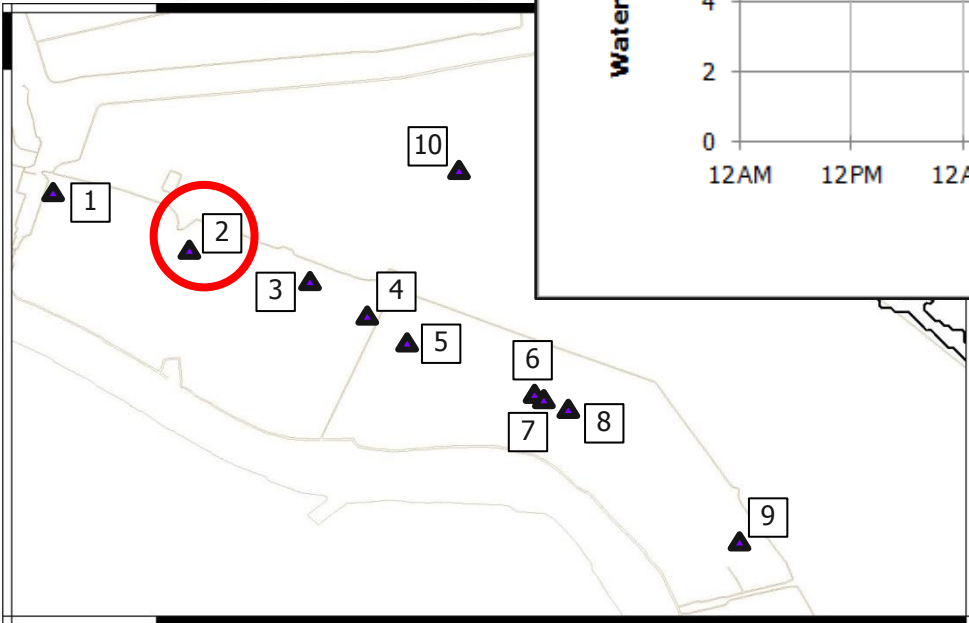
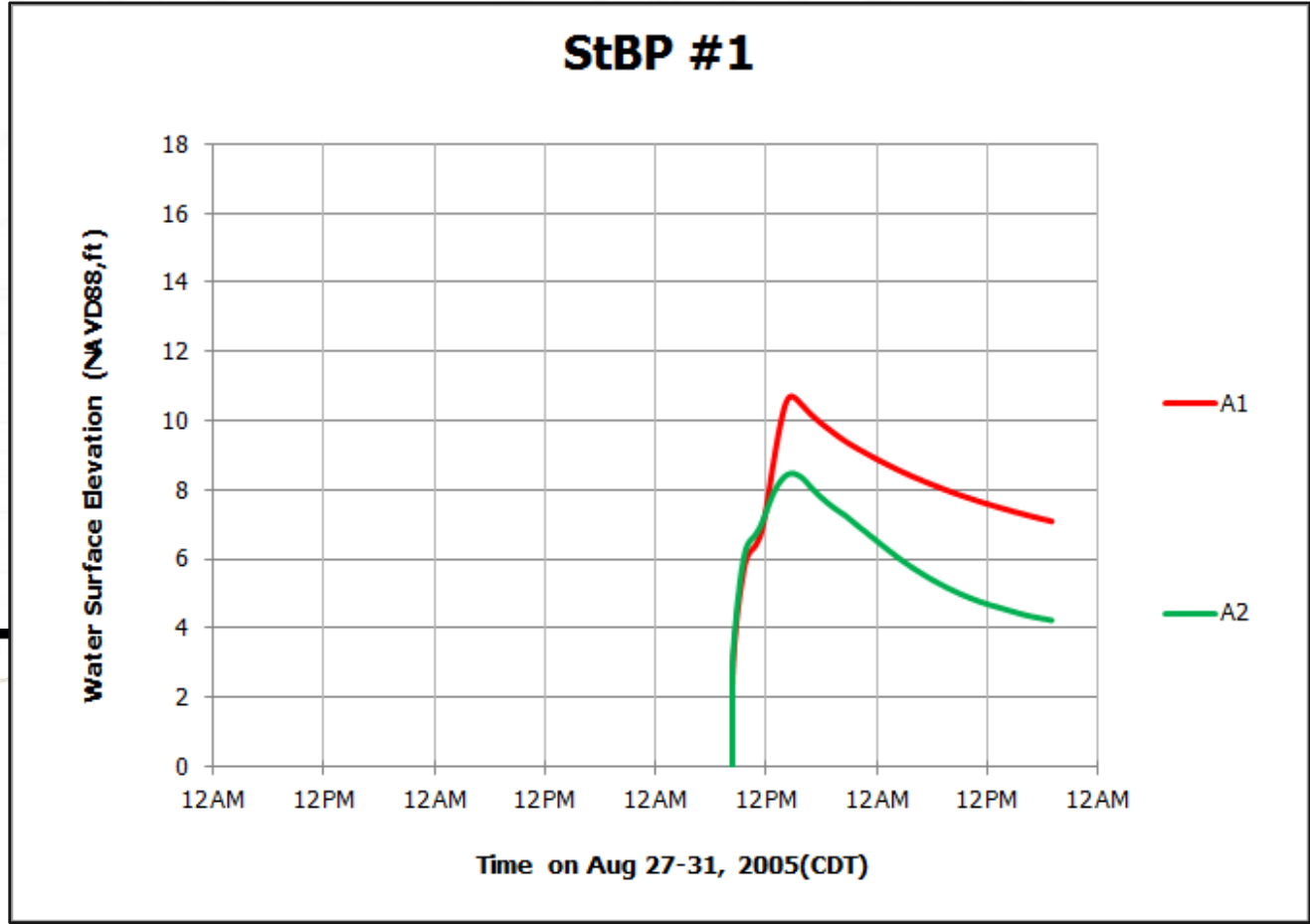


Figure 27b

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Katrina - Scenario A2: Interior water surface time series at Plaintiff Properties

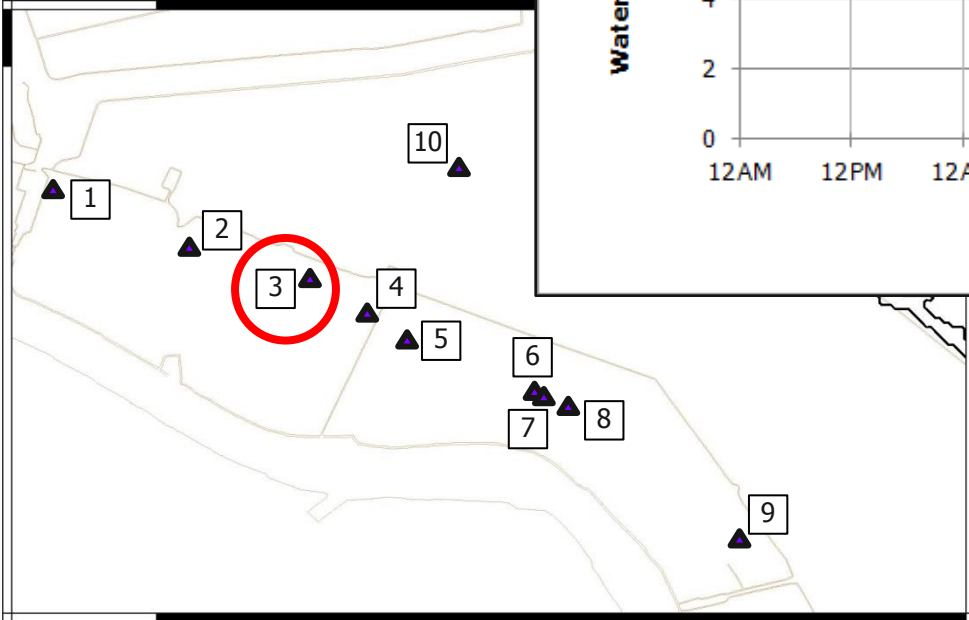
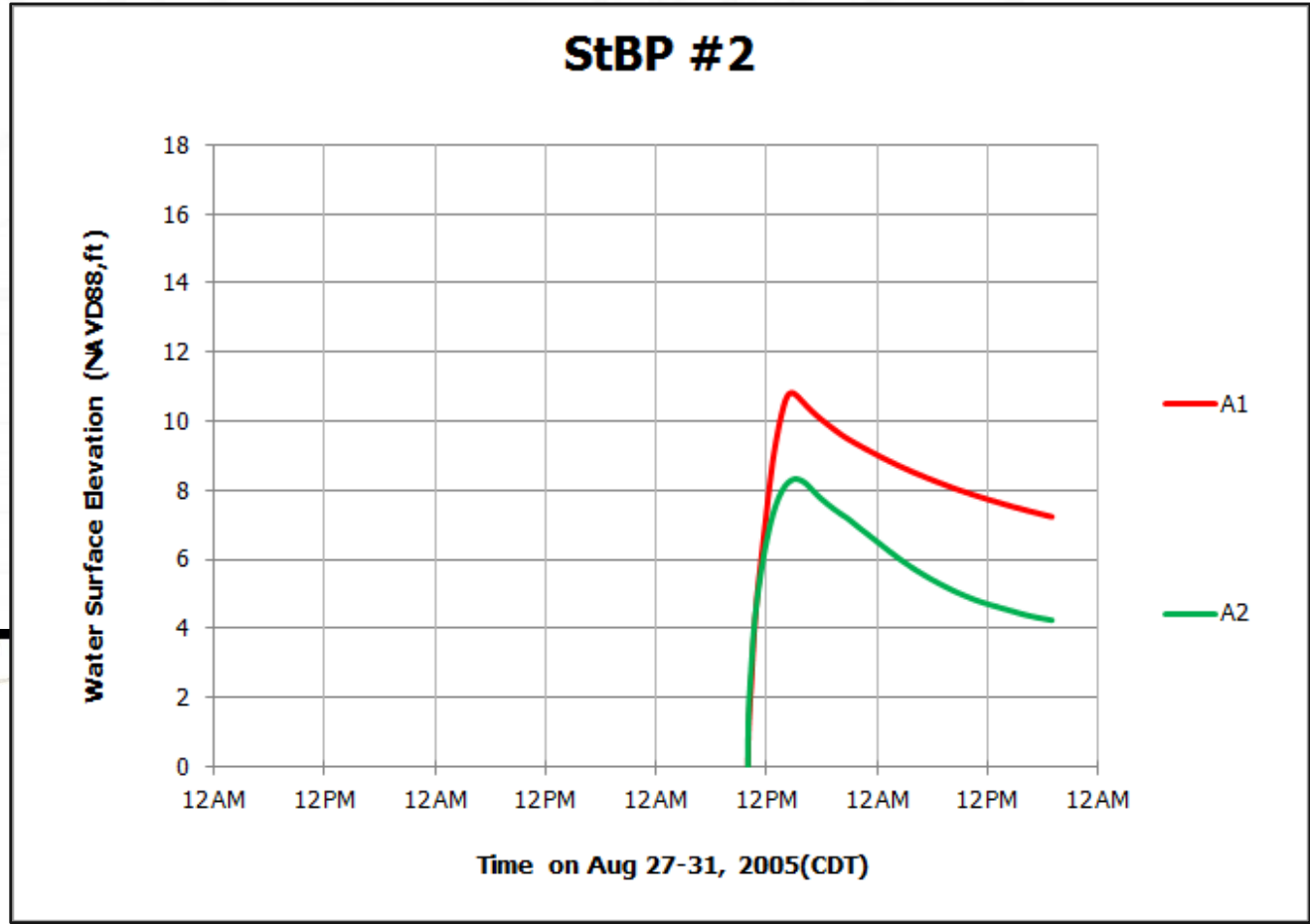


Figure 27c

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Katrina - Scenario A2: Interior water surface time series at Plaintiff Properties

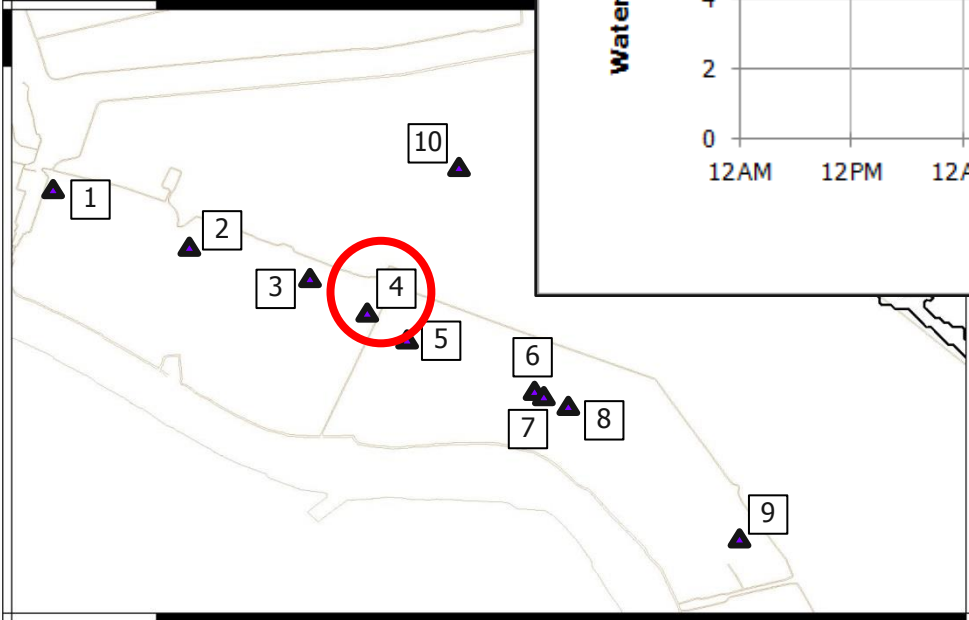
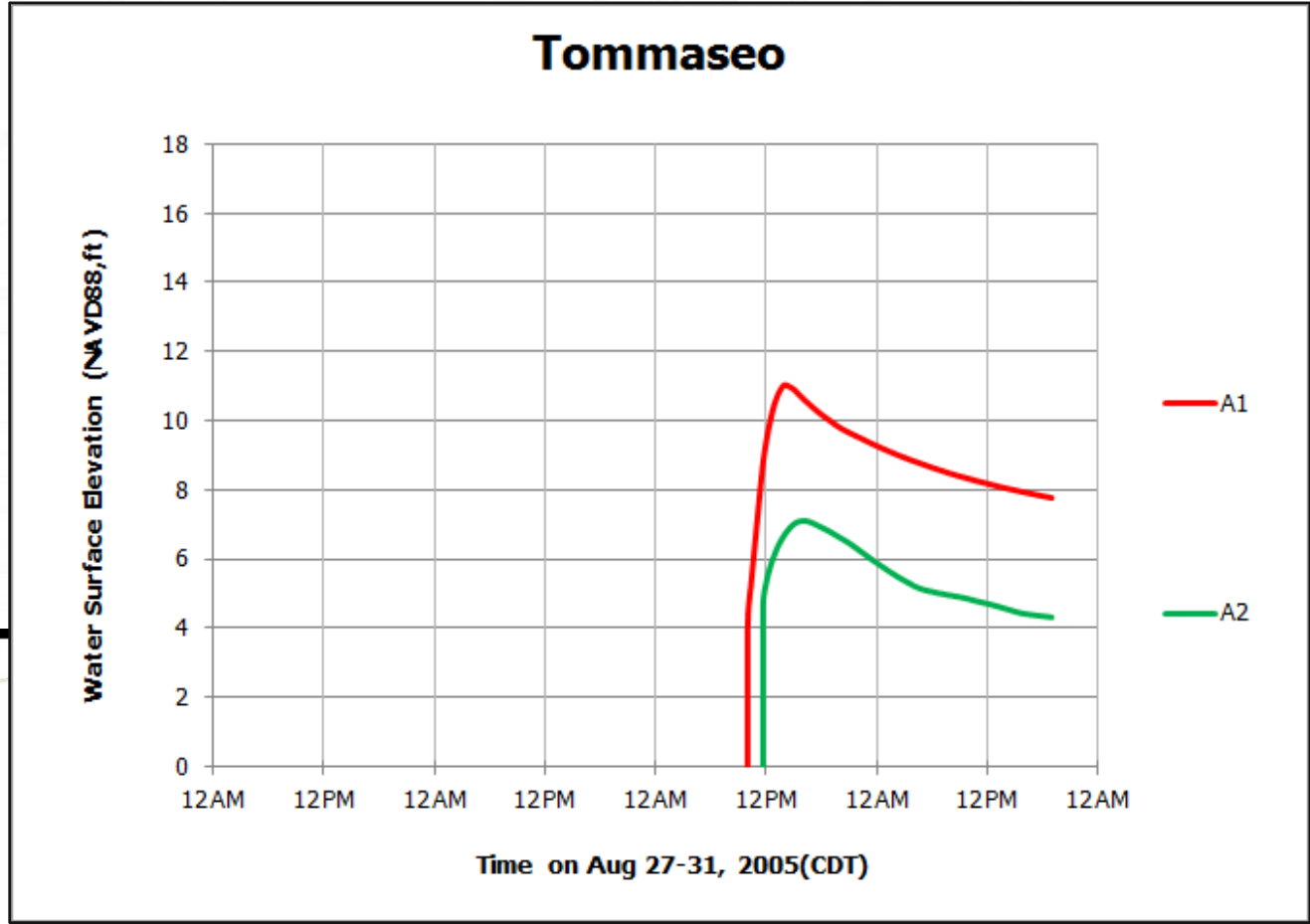


Figure 27d

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Katrina - Scenario A2: Interior water surface time series at Plaintiff Properties

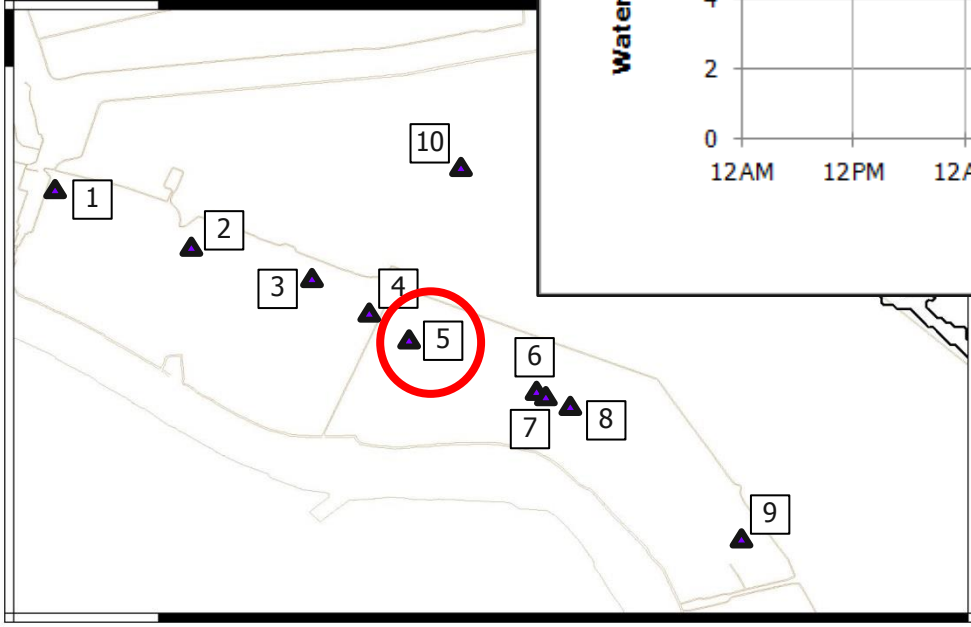
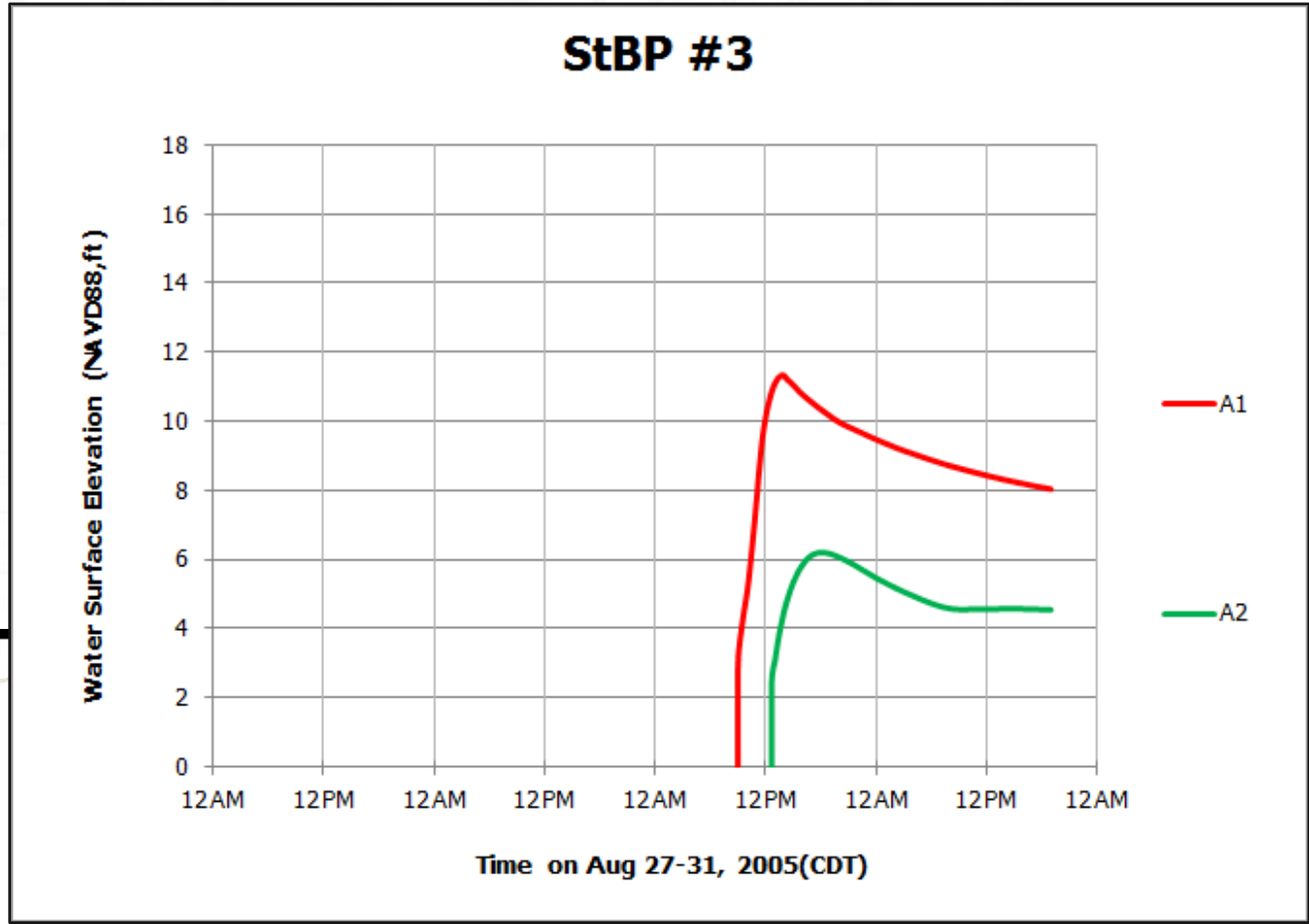


Figure 27e

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Katrina - Scenario A2: Interior water surface time series at Plaintiff Properties

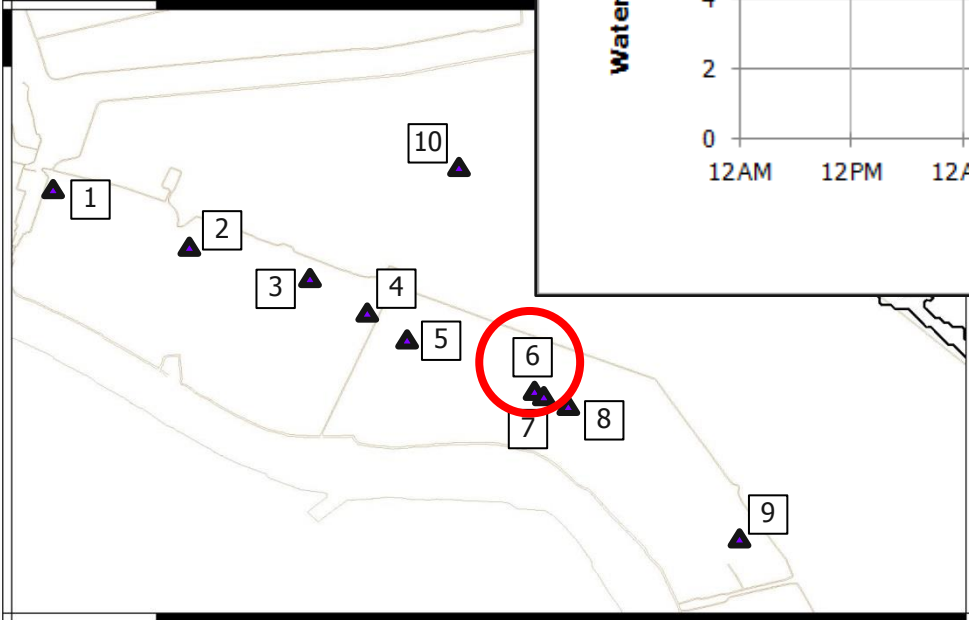
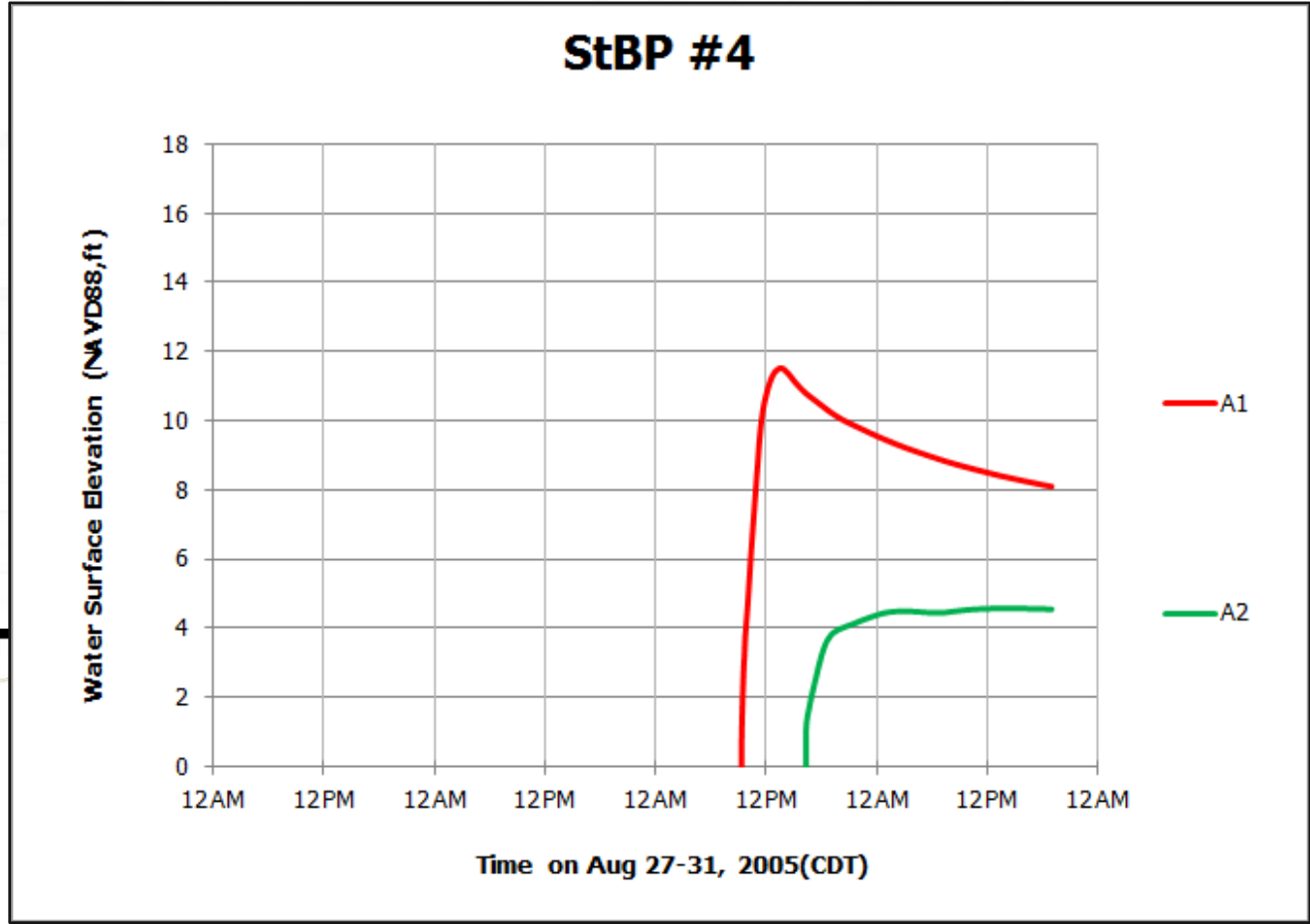


Figure 27f

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Katrina - Scenario A2: Interior water surface time series at Plaintiff Properties

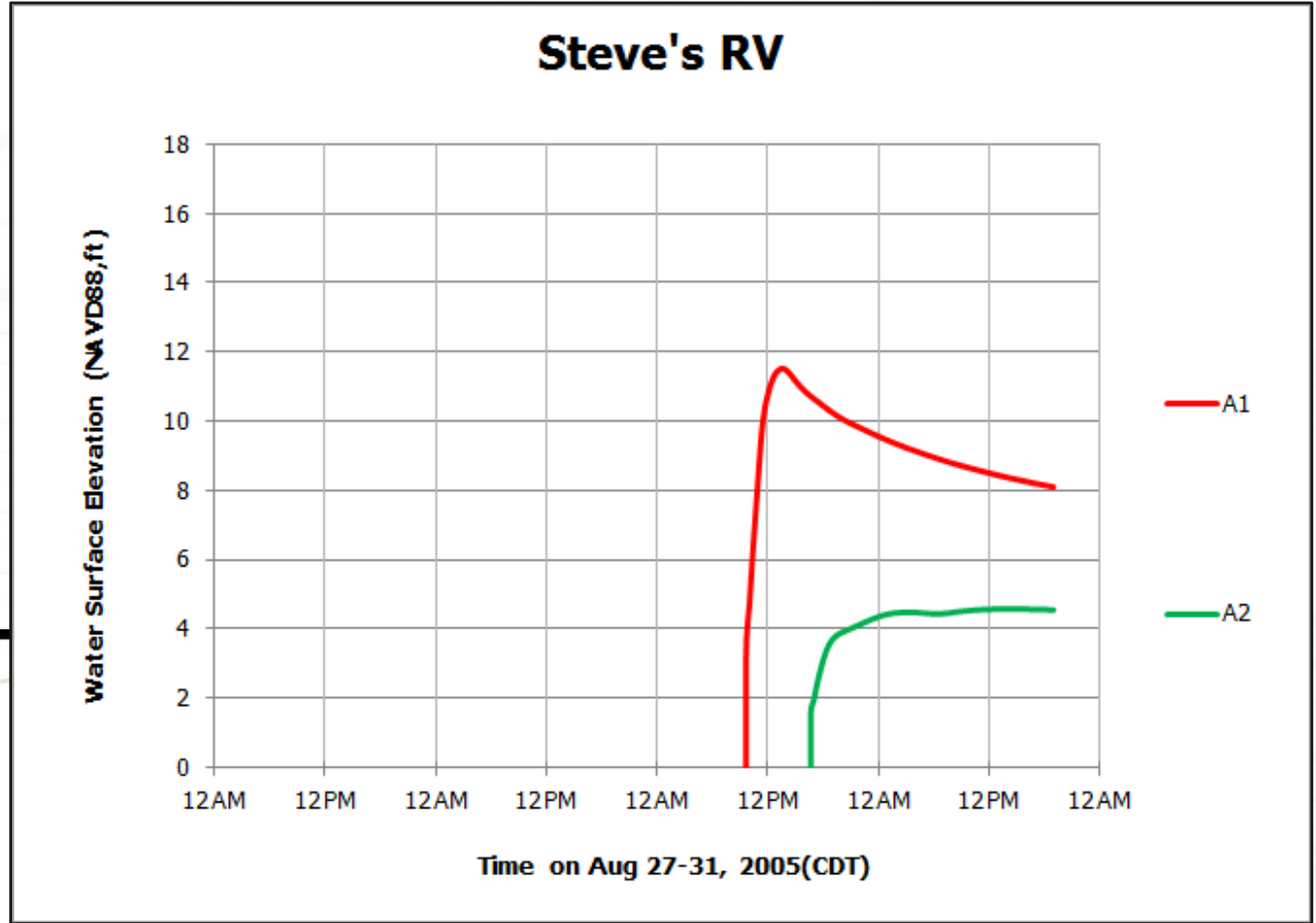
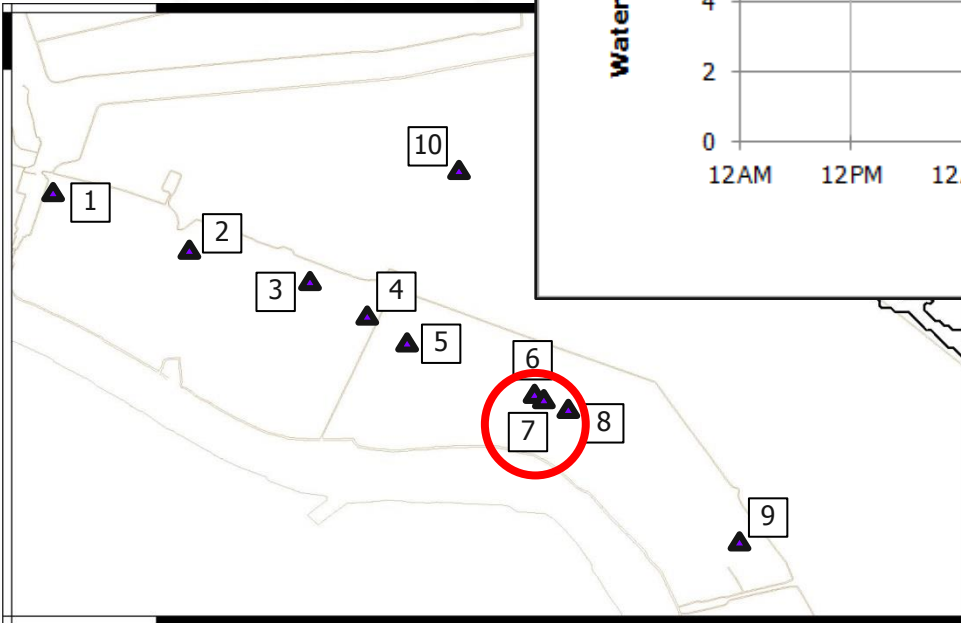


Figure 27g



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Katrina - Scenario A2: Interior water surface time series at Plaintiff Properties

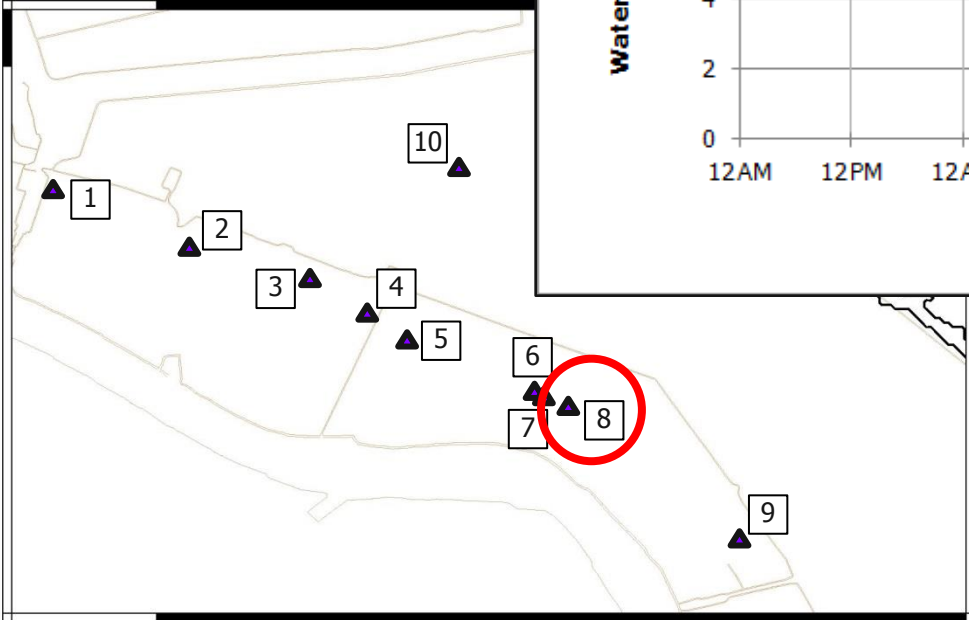
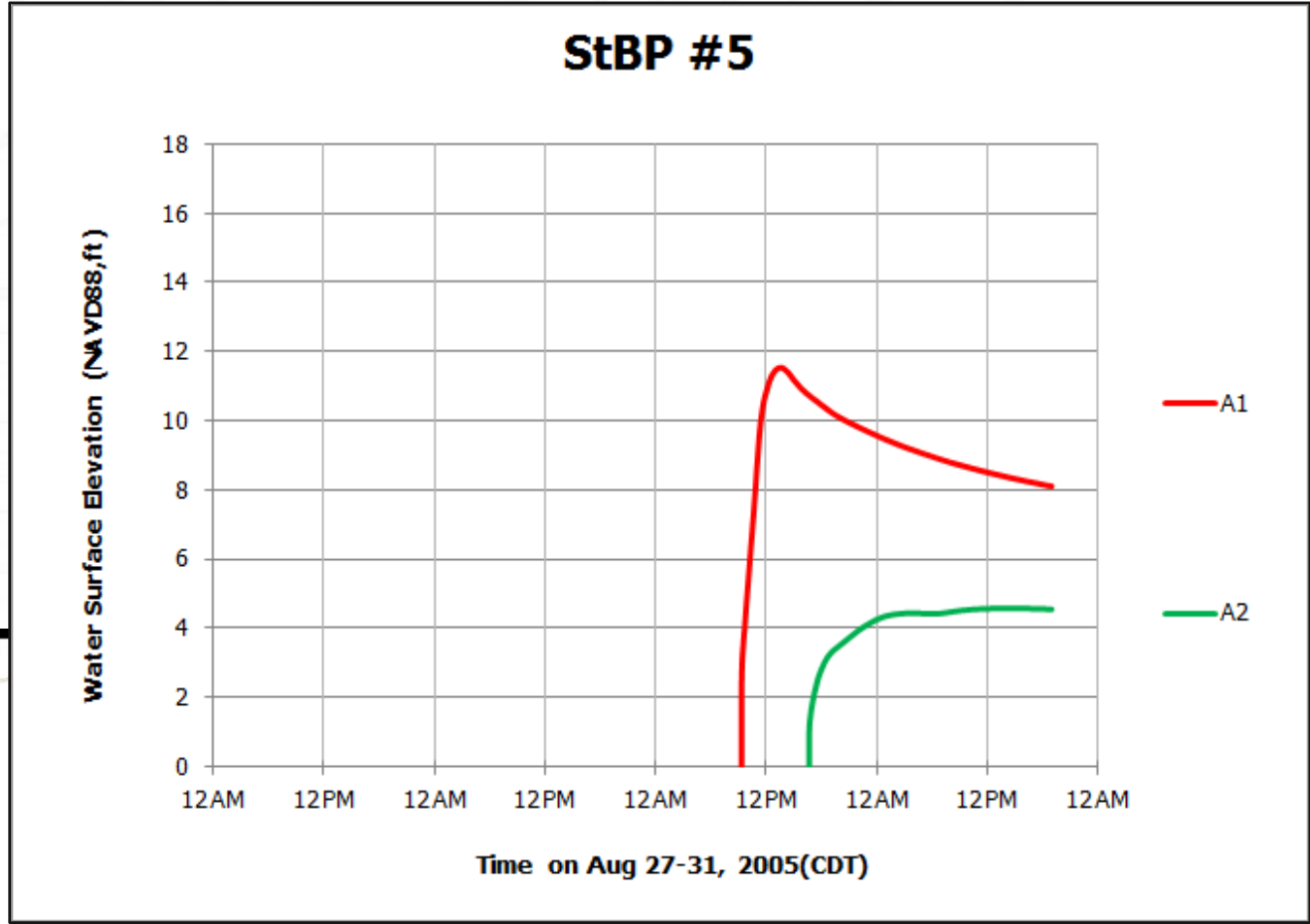


Figure 27h

Katrina - Scenario A2: Interior water surface time series at Plaintiff Properties

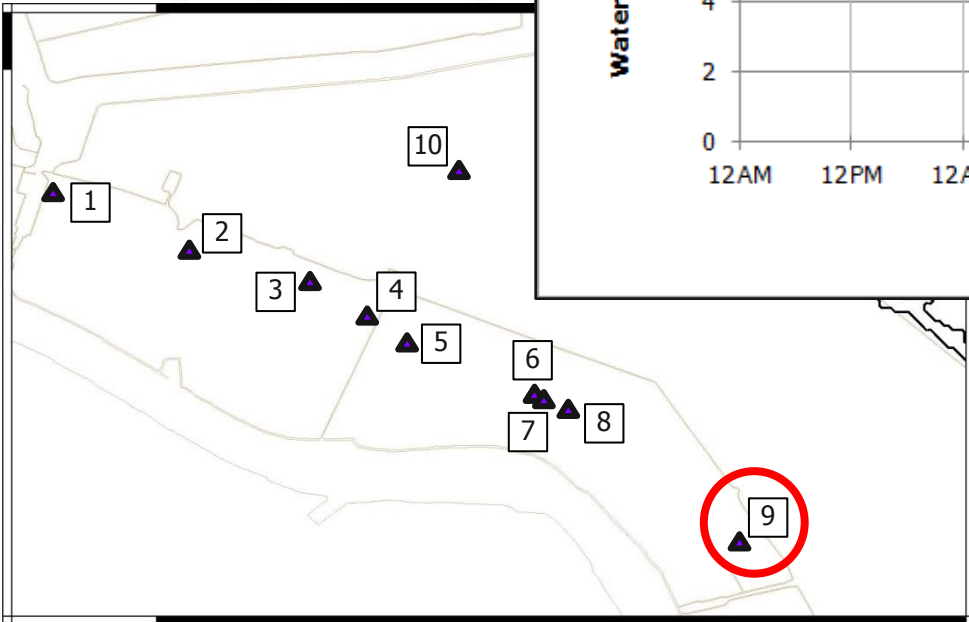
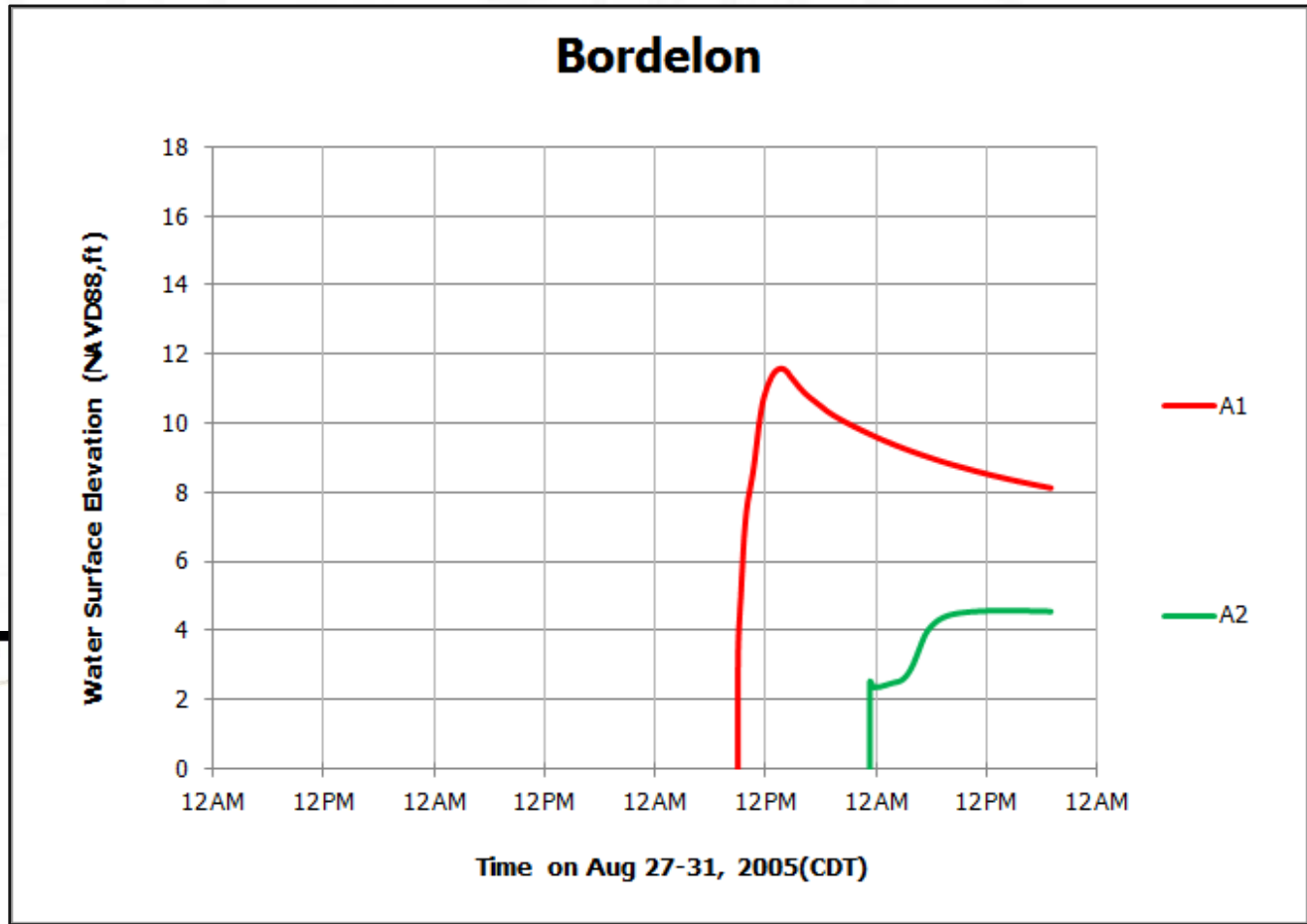


Figure 27i

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Katrina - Scenario A2: Interior water surface time series at Plaintiff Properties

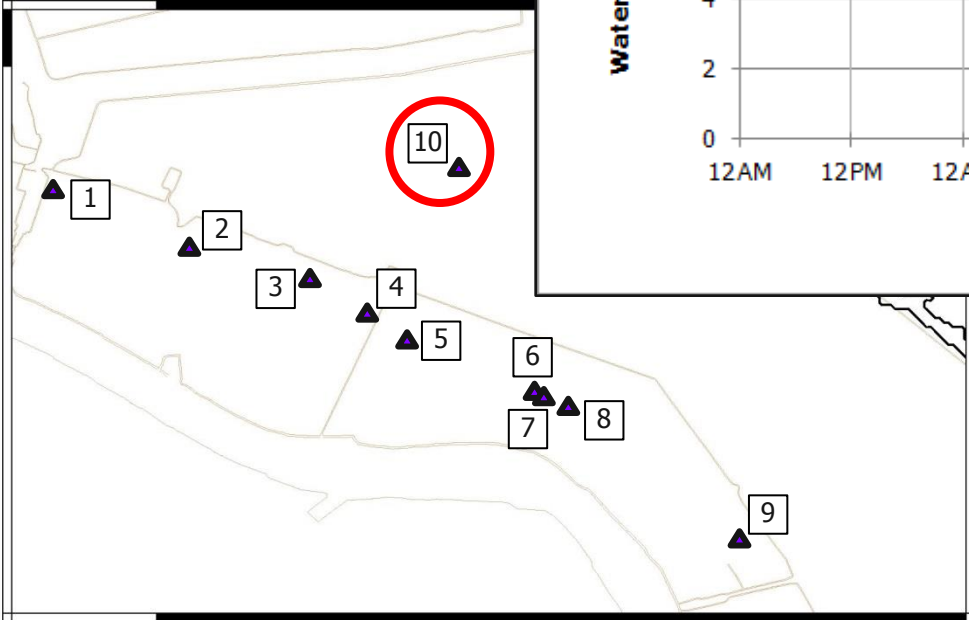
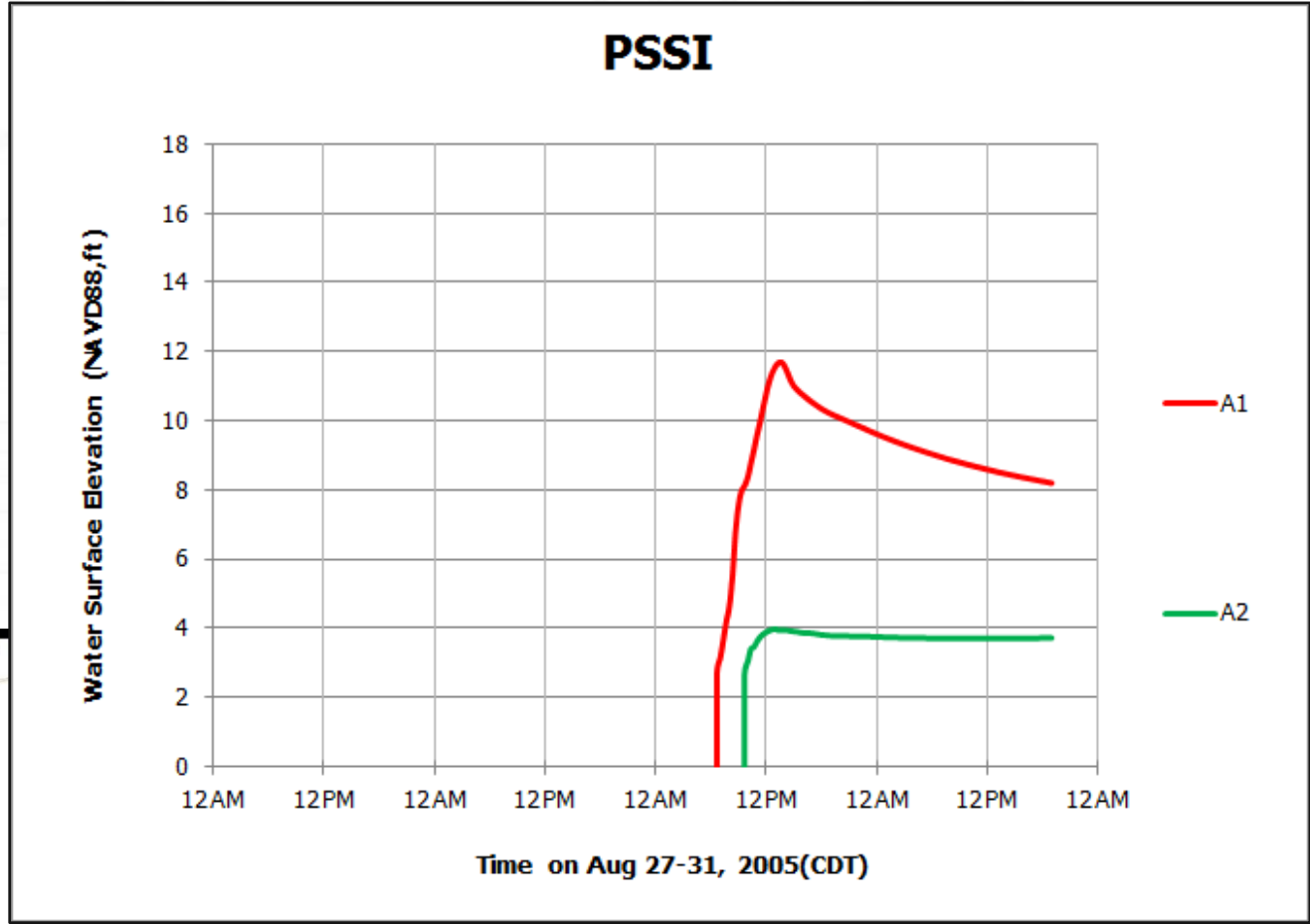


Figure 27j

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Katrina - Scenario A2: Interior water surface time series at Plaintiff Properties

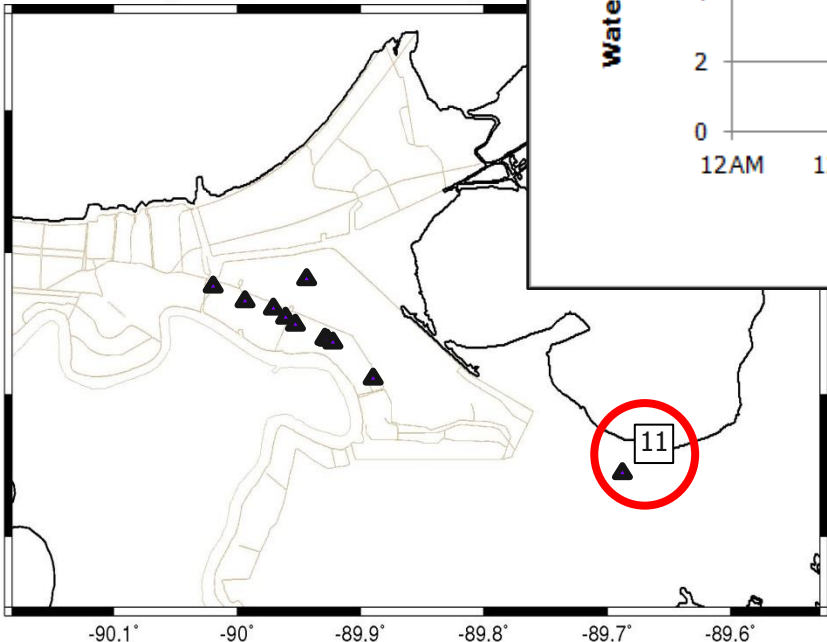
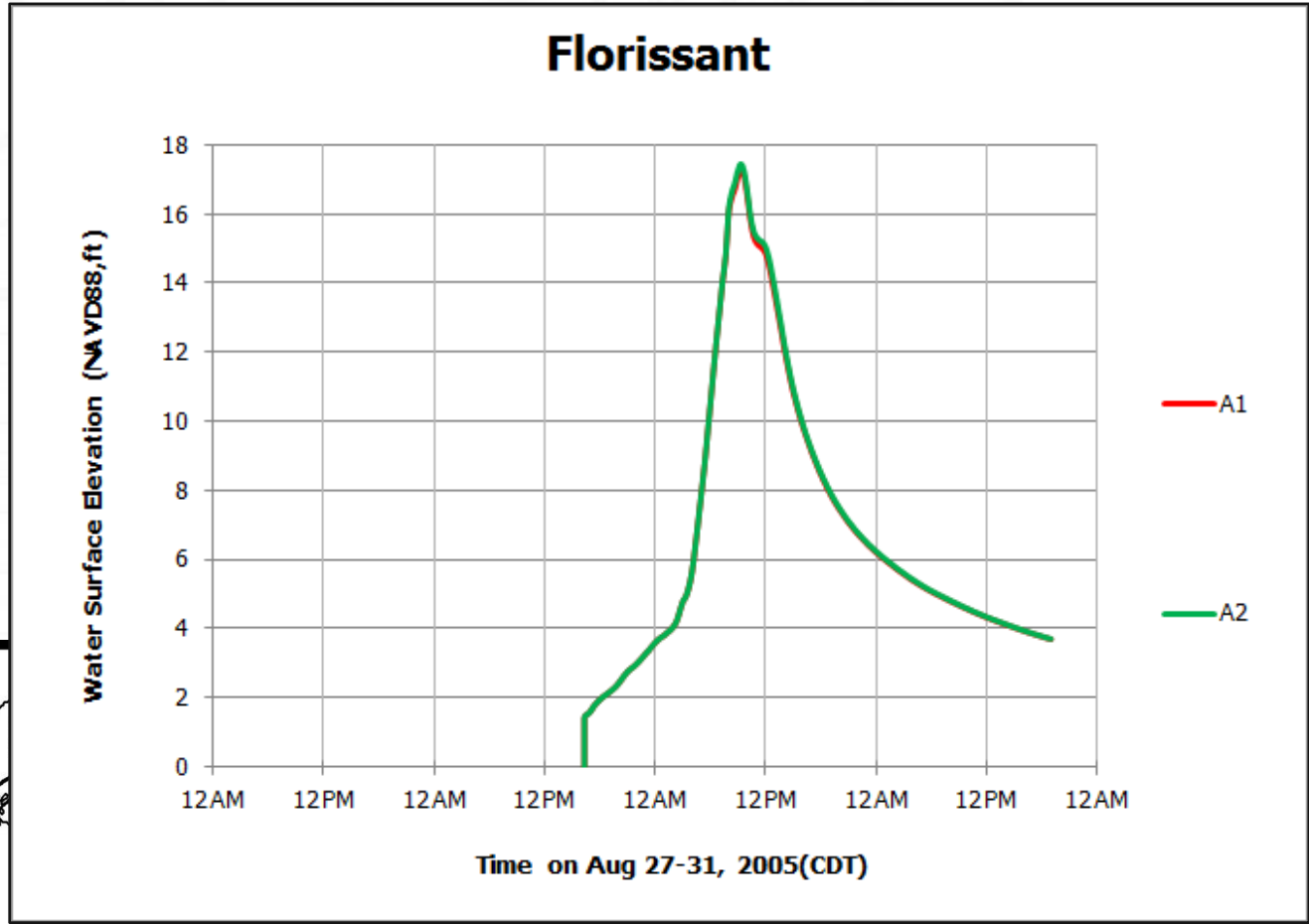


Figure 27k

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Katrina - Scenario A2: Flooding conclusions for Plaintiff Properties

- The maximum water surface elevations (in ft) at each Trial Property in the Scenario A2 “IHNC Breaches Only” are summarized in the table below.

Location	Scenario A1	Scenario A2
Adams	10.5	9.0
SBP #1	10.7	8.5
SBP #2	10.8	8.3
Tommaseo	11.0	7.1
SBP #3	11.3	6.2
SBP #4	11.5	4.6
Steve’s RV	11.5	4.6
SBP #5	11.5	4.6
Bordelon	11.6	4.6
PSSI	11.7	4.0
Florissant	17.3	17.5

Table 6