High Resolution Modeling of Urban Dam-Break Flooding: *A Case Study of Baldwin Hills, CA*

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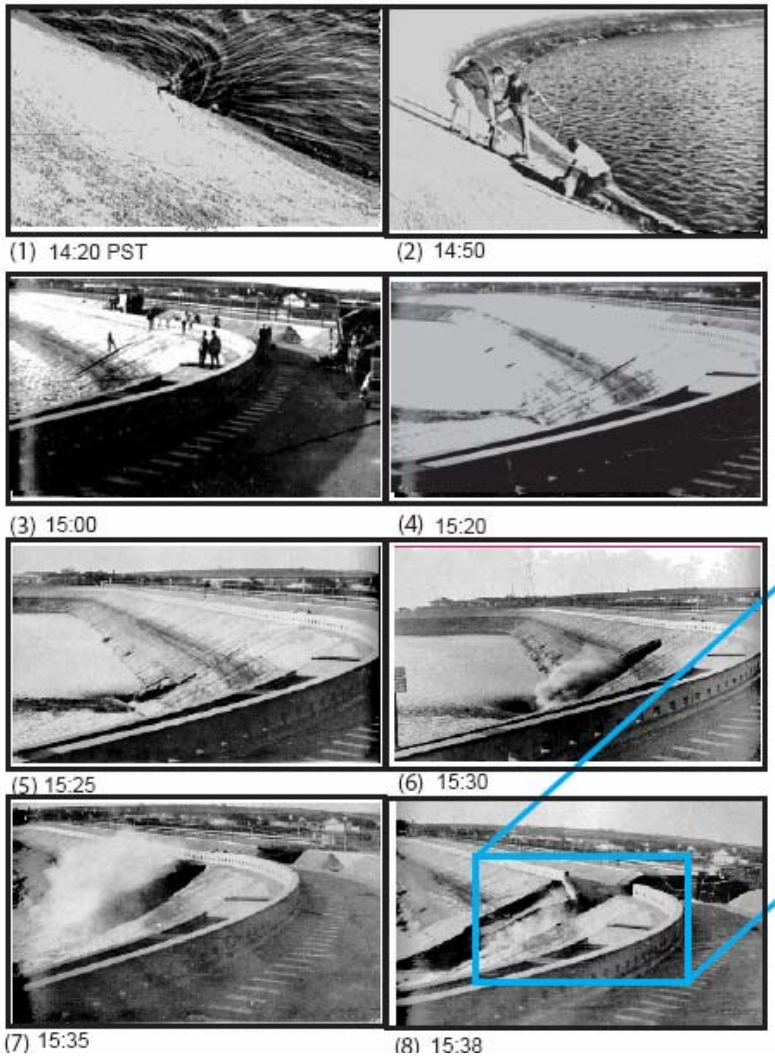
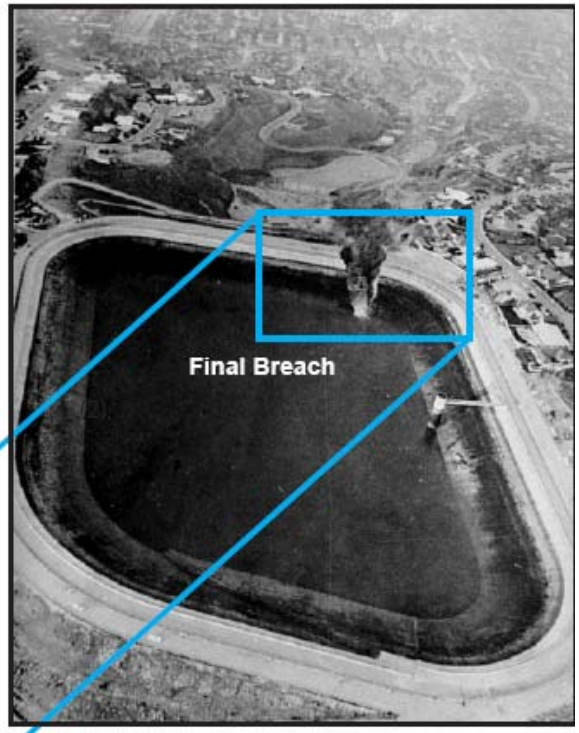
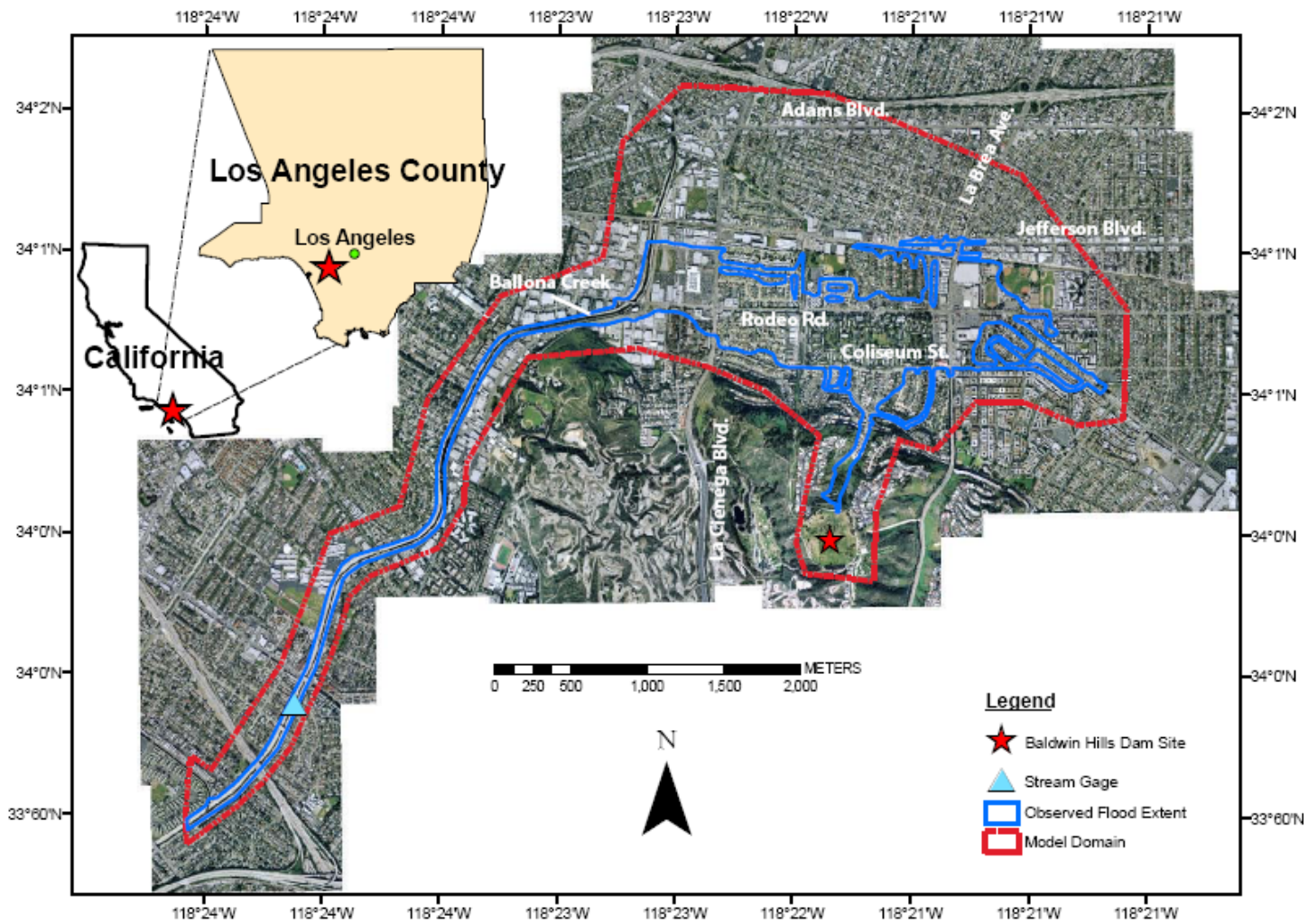
Presented to: *Los Angeles County, Department of Public Works*
June 16, 2009

2. Baldwin Hills Failure Sequence -1963

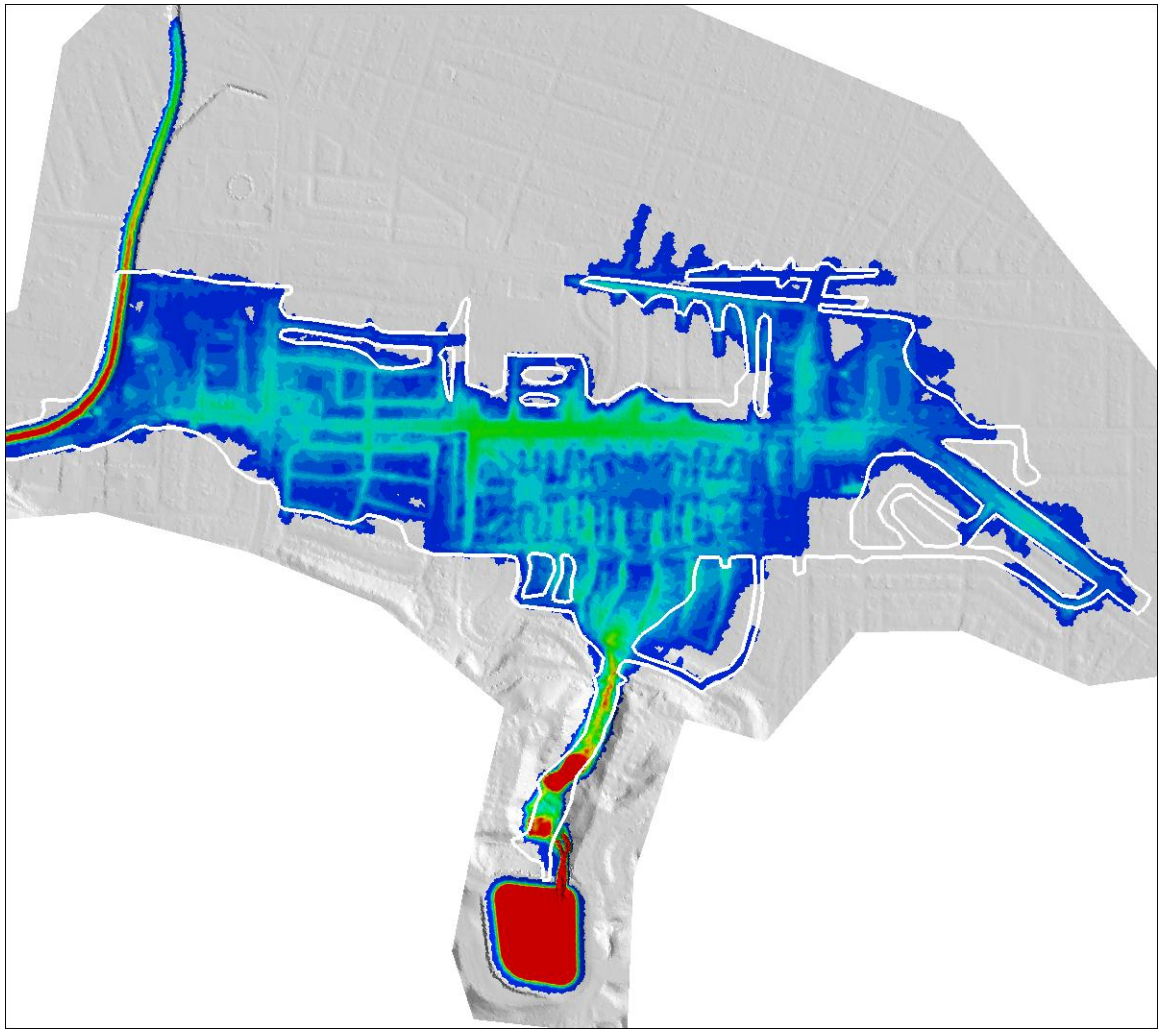




3. Baldwin Hills Flood Zone

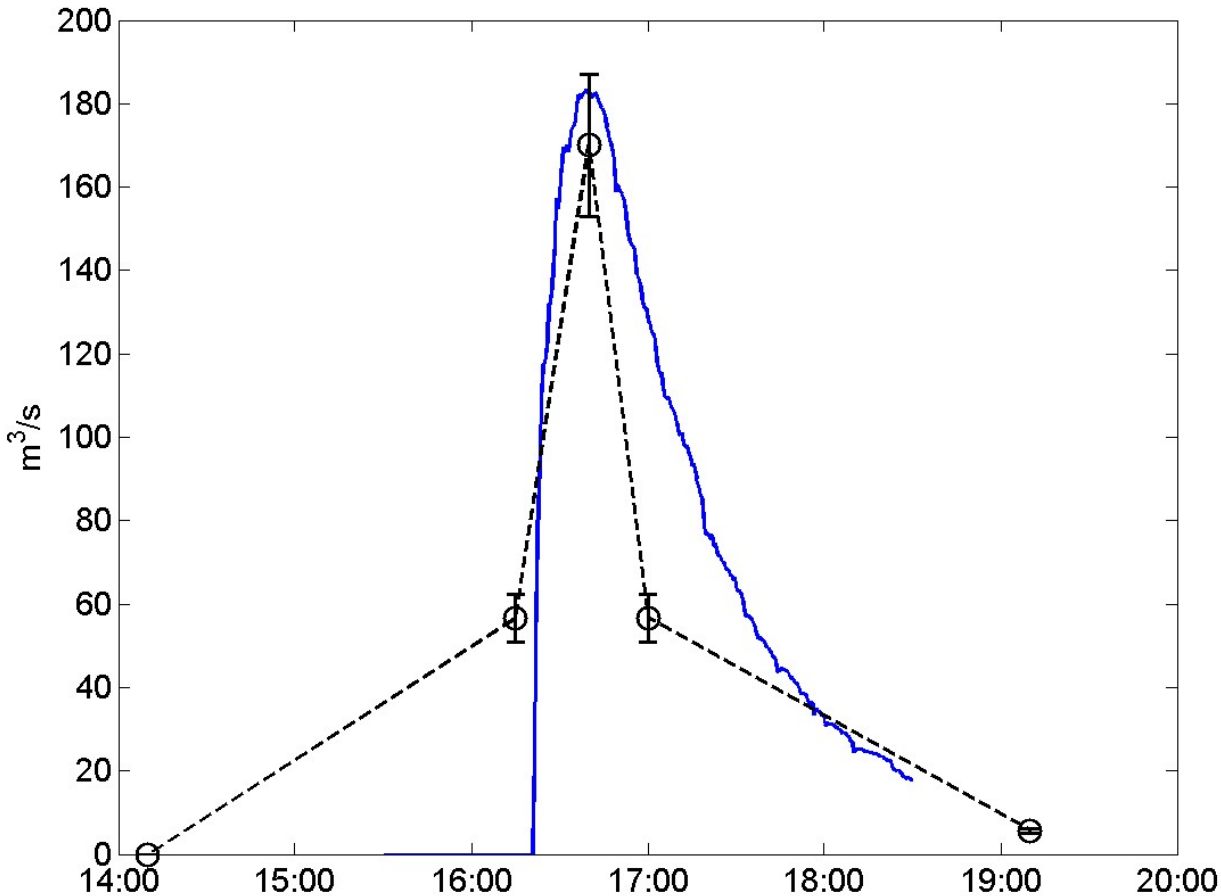


4. Prediction of Flood Depth and Velocity Using LAR-IAC Data



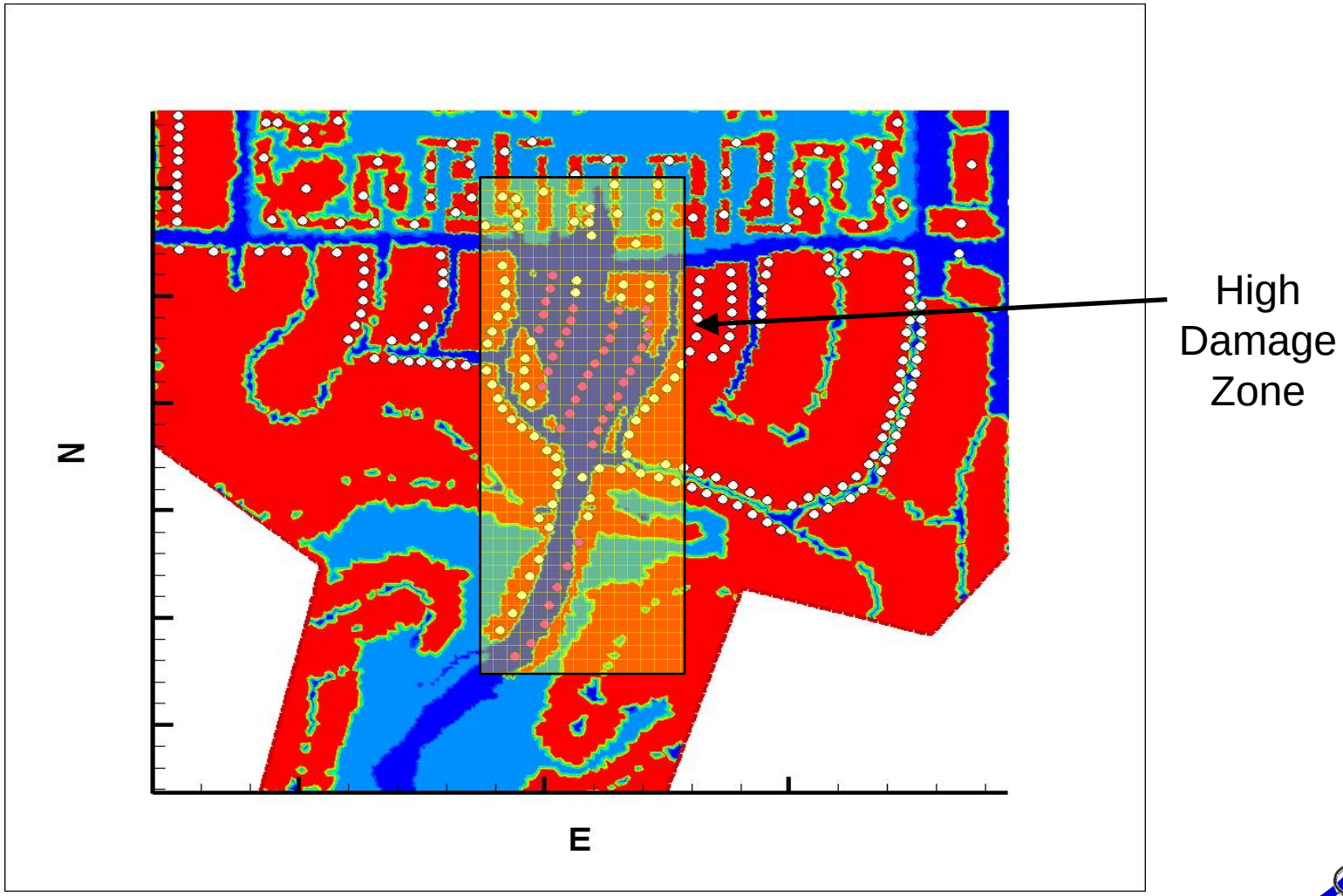
Coloring shows variation in depth

5. Ballona Creek Stream Flow Prediction Using LAR-IAC Data



Prediction shown in blue

6. Building Damage Assessment



7. A Range of Emergency Management Data May Be Estimated With Flood Model

- Damage zones
- Road closures
- Impacts to hospitals, police and fire stations
  - Max Depth
  - Flood Arrival Time
  - Flood Recession Time
- Time scale of flood arrival from minutes to hours – sufficient time to assist in emergency management