

March 2016 Flood Event in the City of Shreveport

Presented by:

Patrick Furlong, P.E.

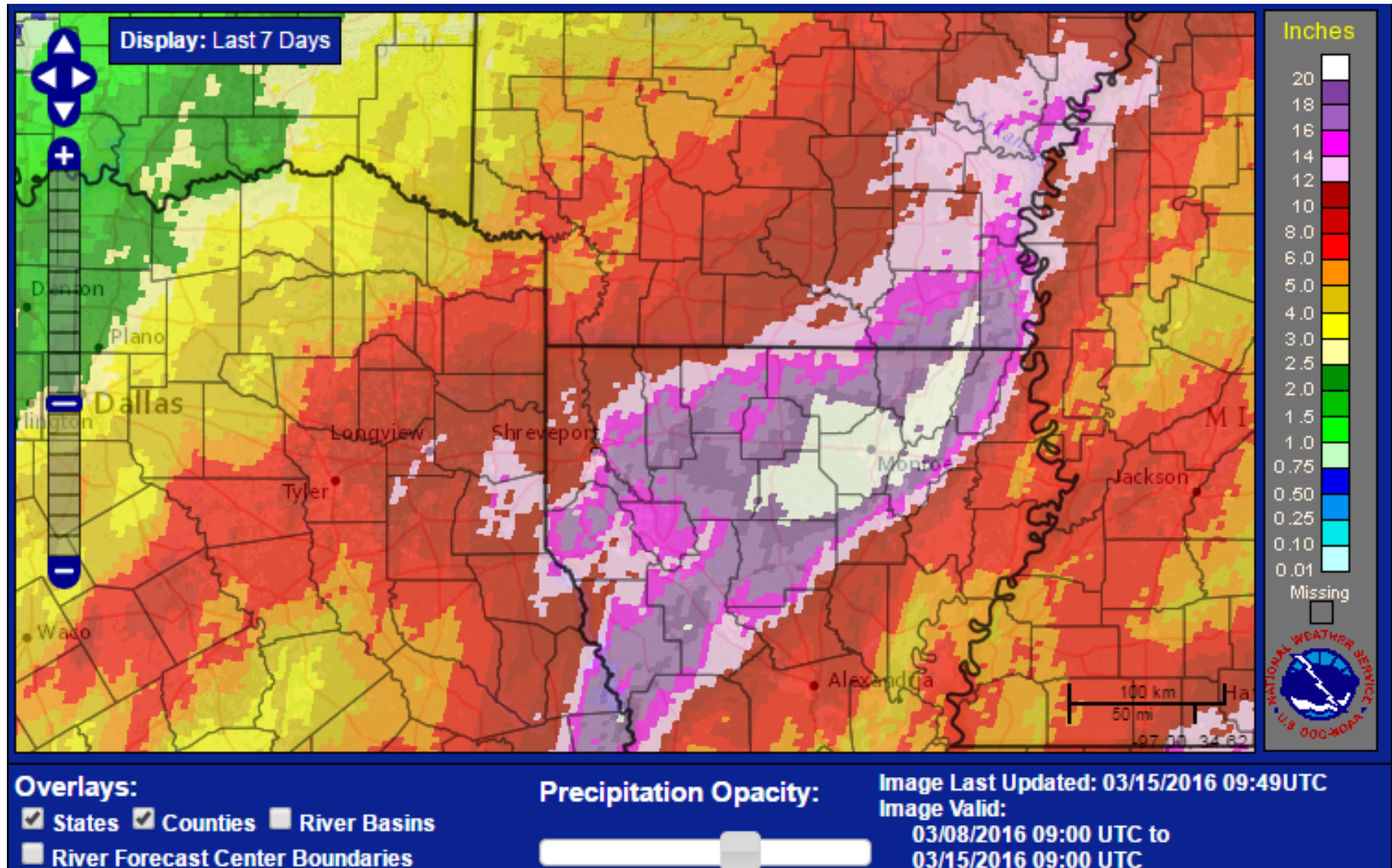
Department of Engineering and Environmental Services

March 31, 2017



OLLIE S. TYLER, MAYOR

What Happened?

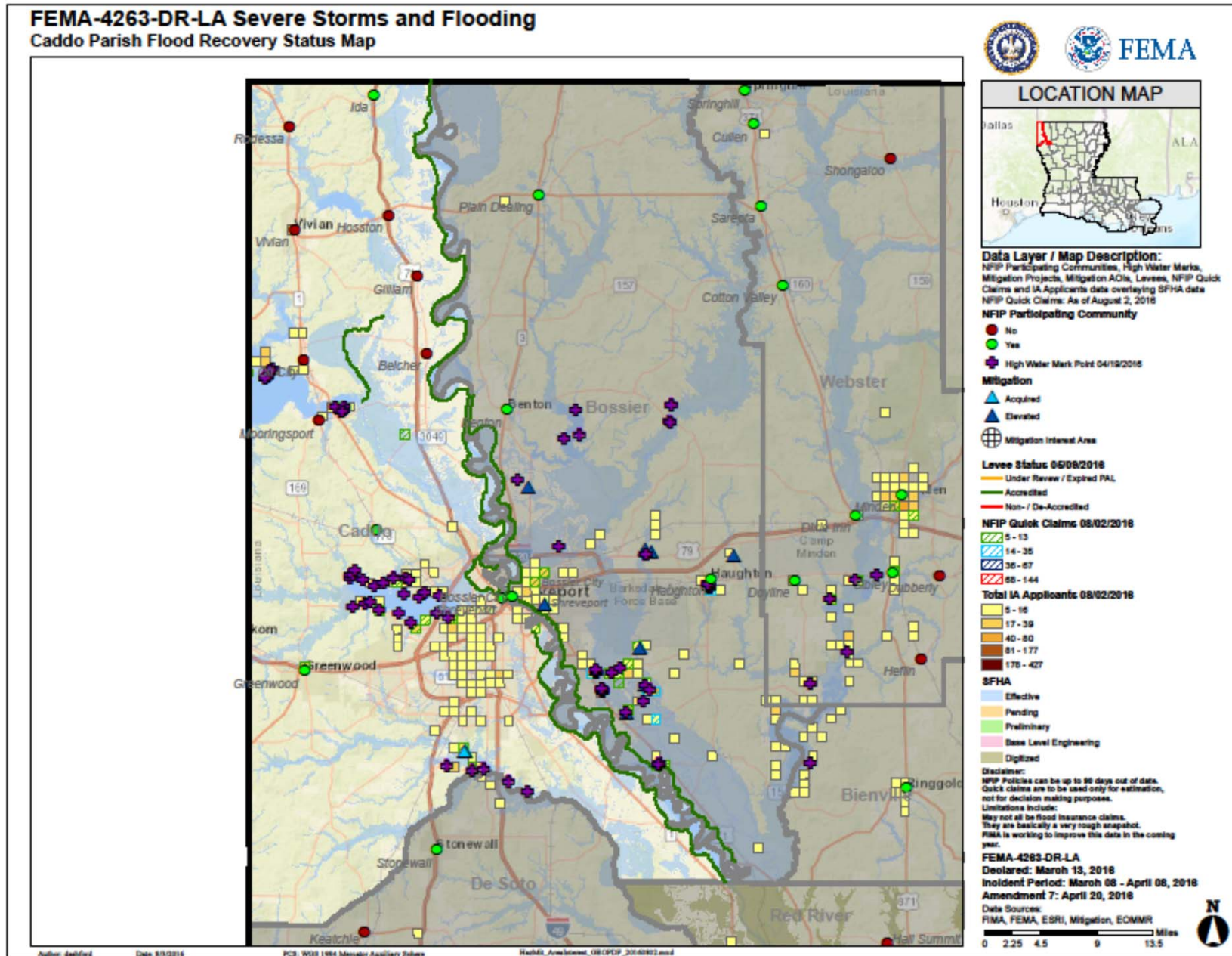


What Happened?

- March 8-11 - There was local flash flooding due to intense storms in the City
- March 10 & 11 –The local major lakes (Cross & Wallace) reached their FEMA 100 year elevations.
- March 15 & 16 – Twelve Mile & Cross Bayou crest in the City

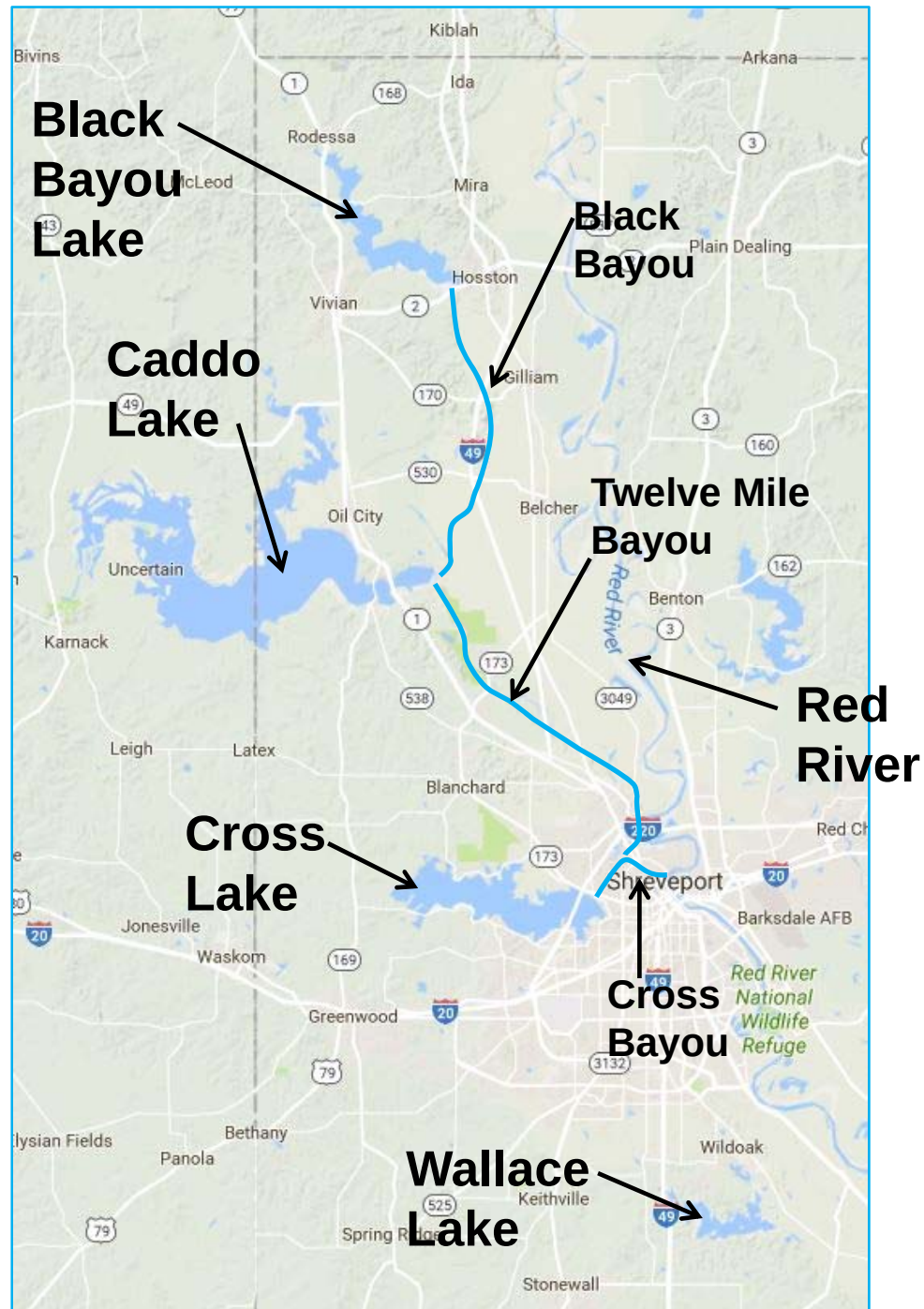


Local Flash Flooding

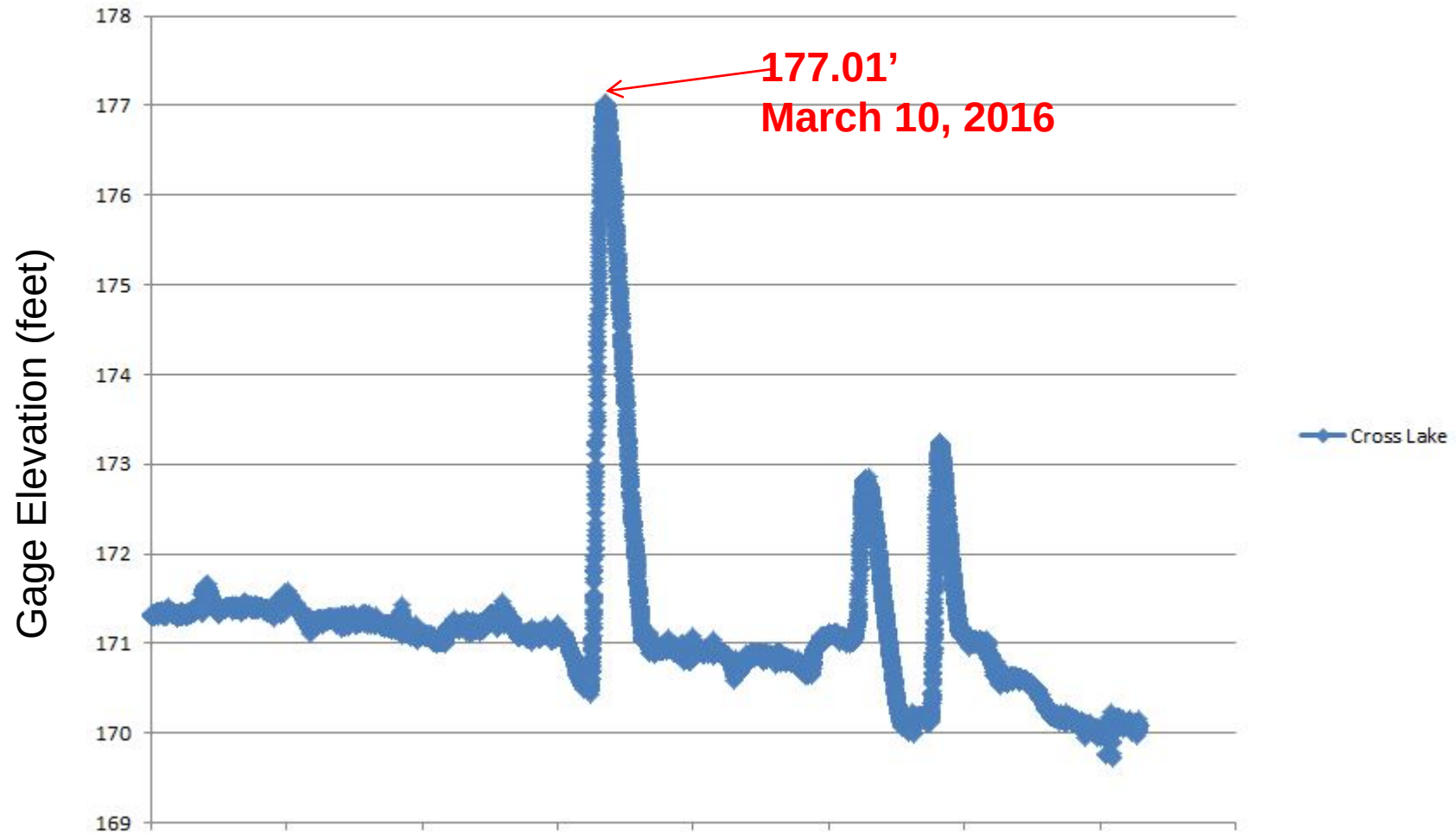


Area Waterways

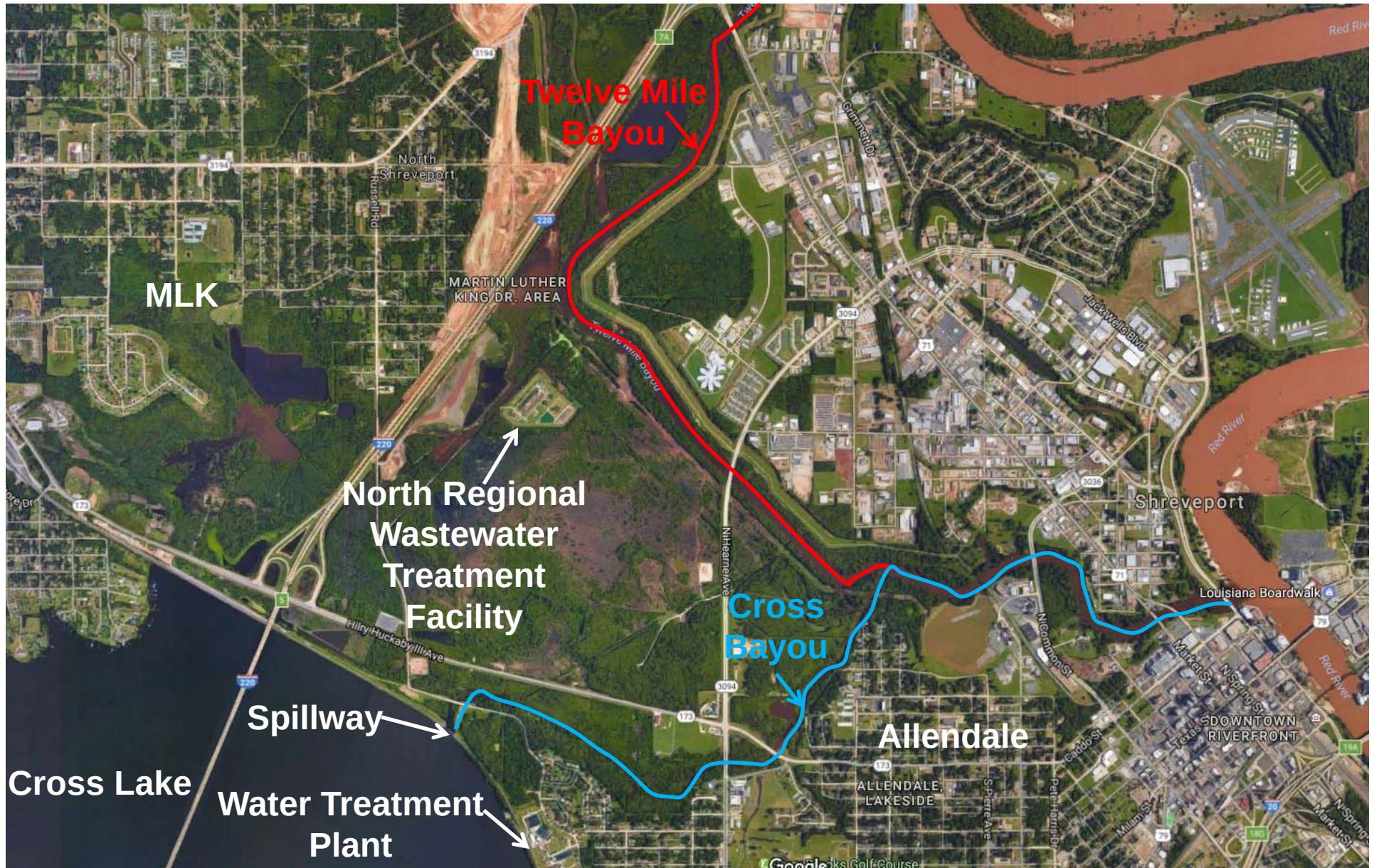
Caddo Parish



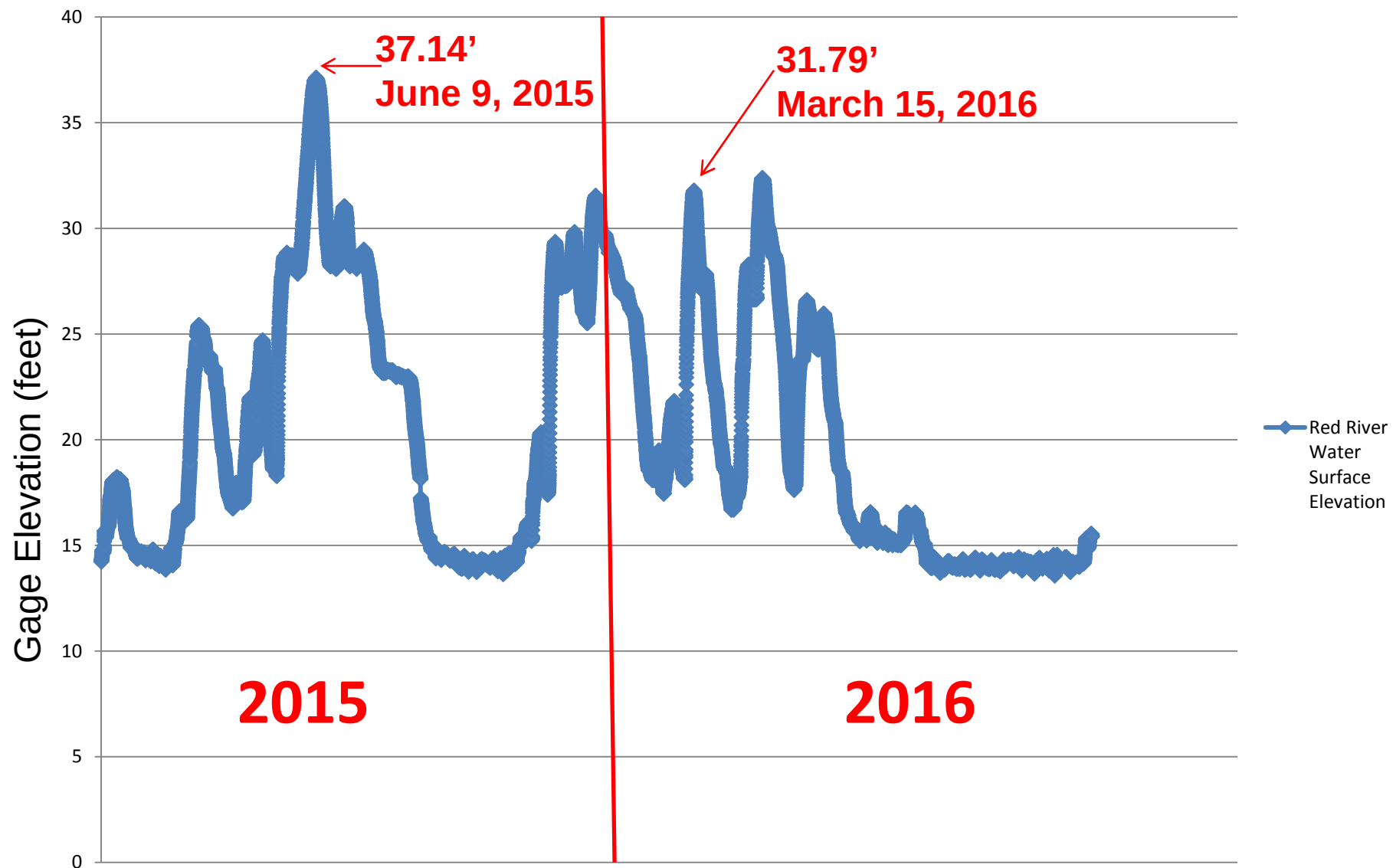
Cross Lake Water Surface Elevation



What Happened?



Red River 2015 & 2016



Homes Flooded

- In the city limits of Shreveport over 178 homes reported damage.
- 715 Individual Assistance claims made to FEMA in Caddo Parish.
- 246 Flood Insurance claims were made in Caddo Parish.































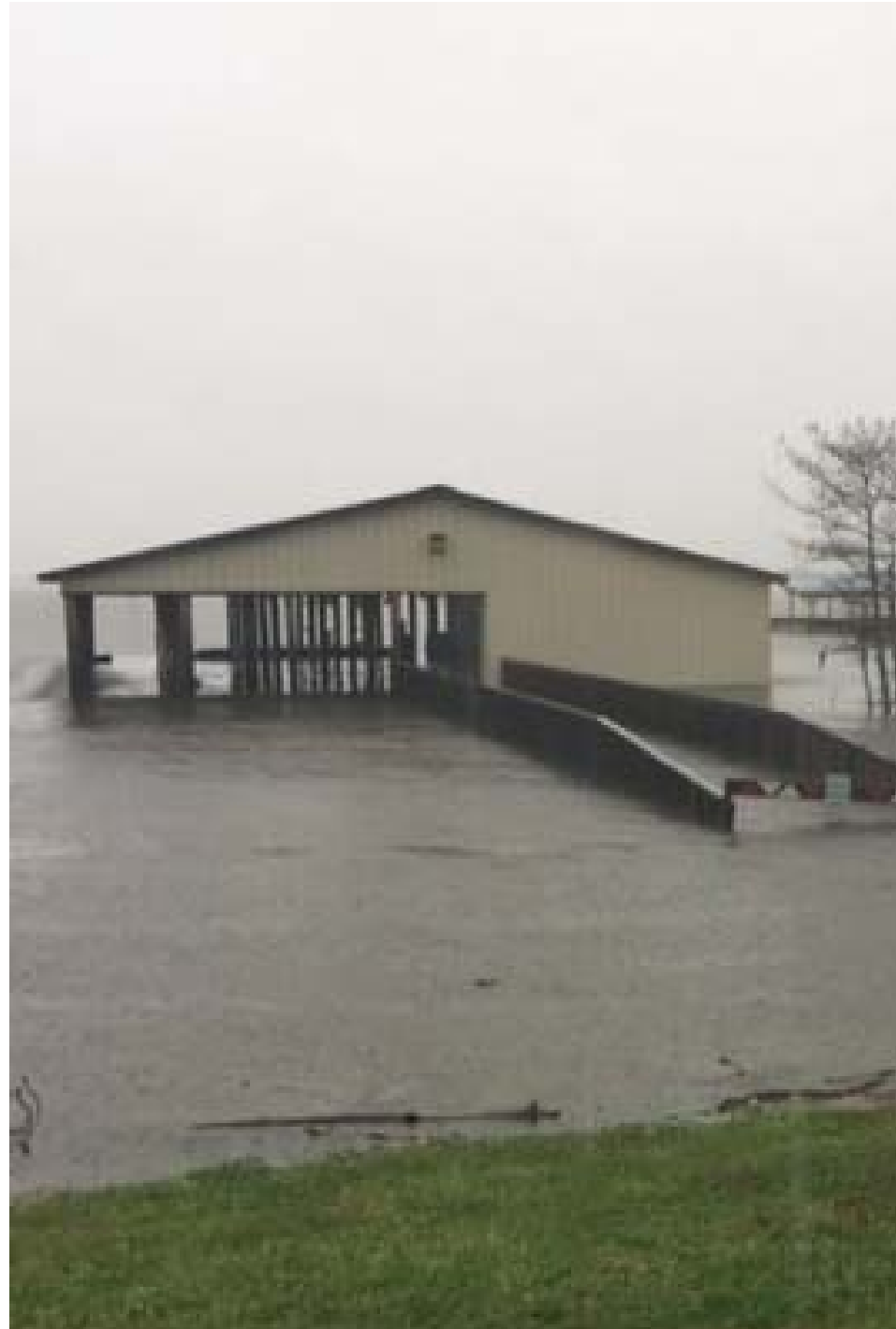


























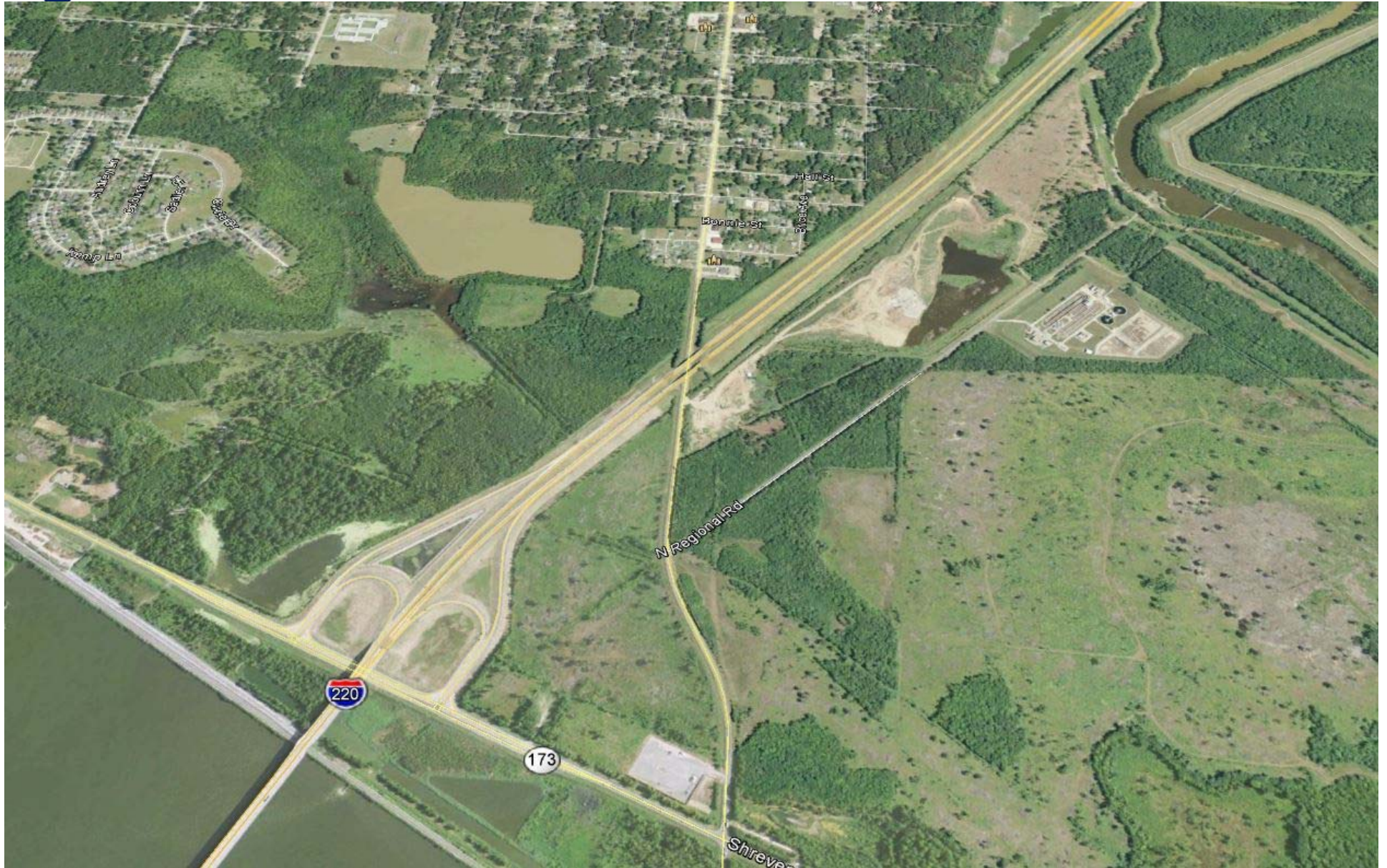


























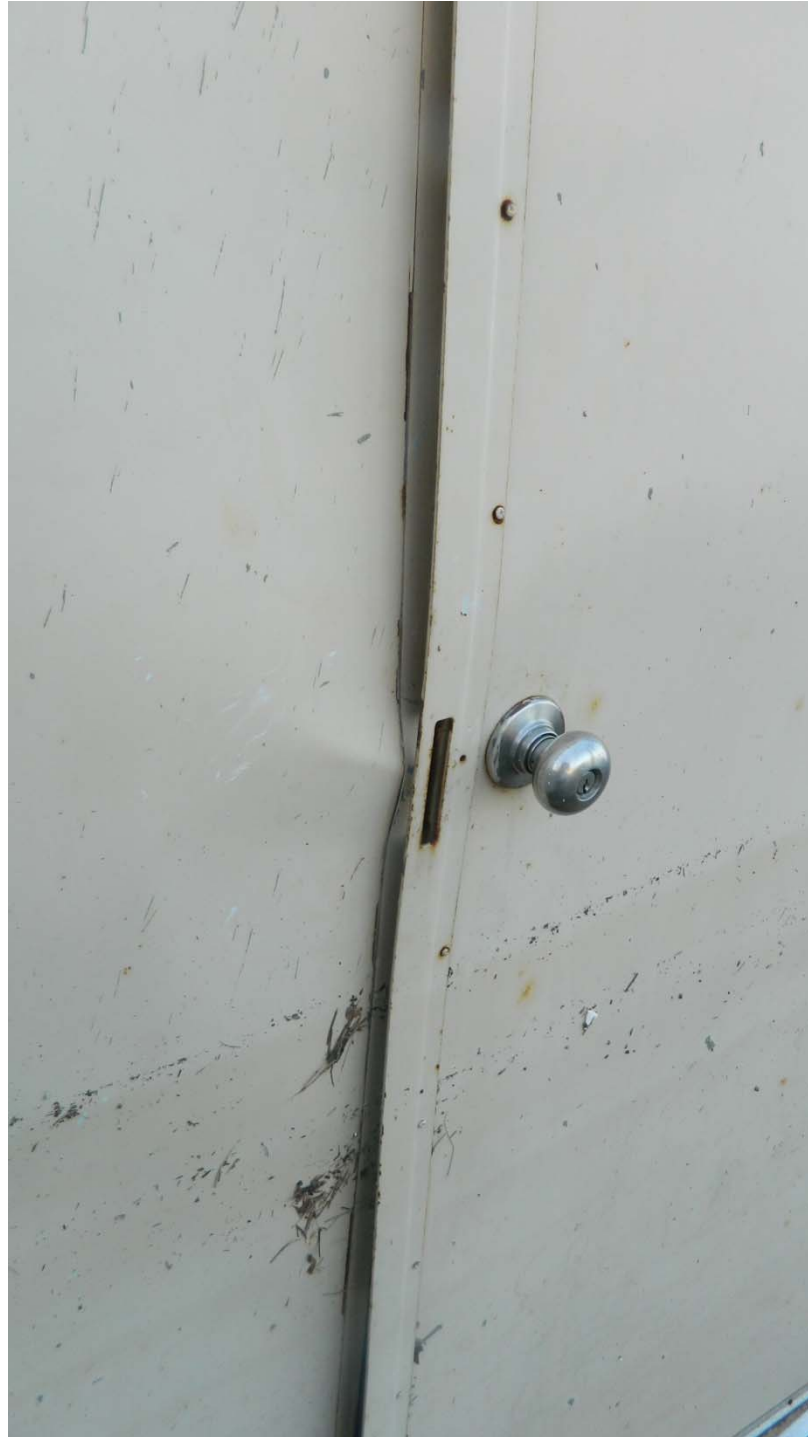




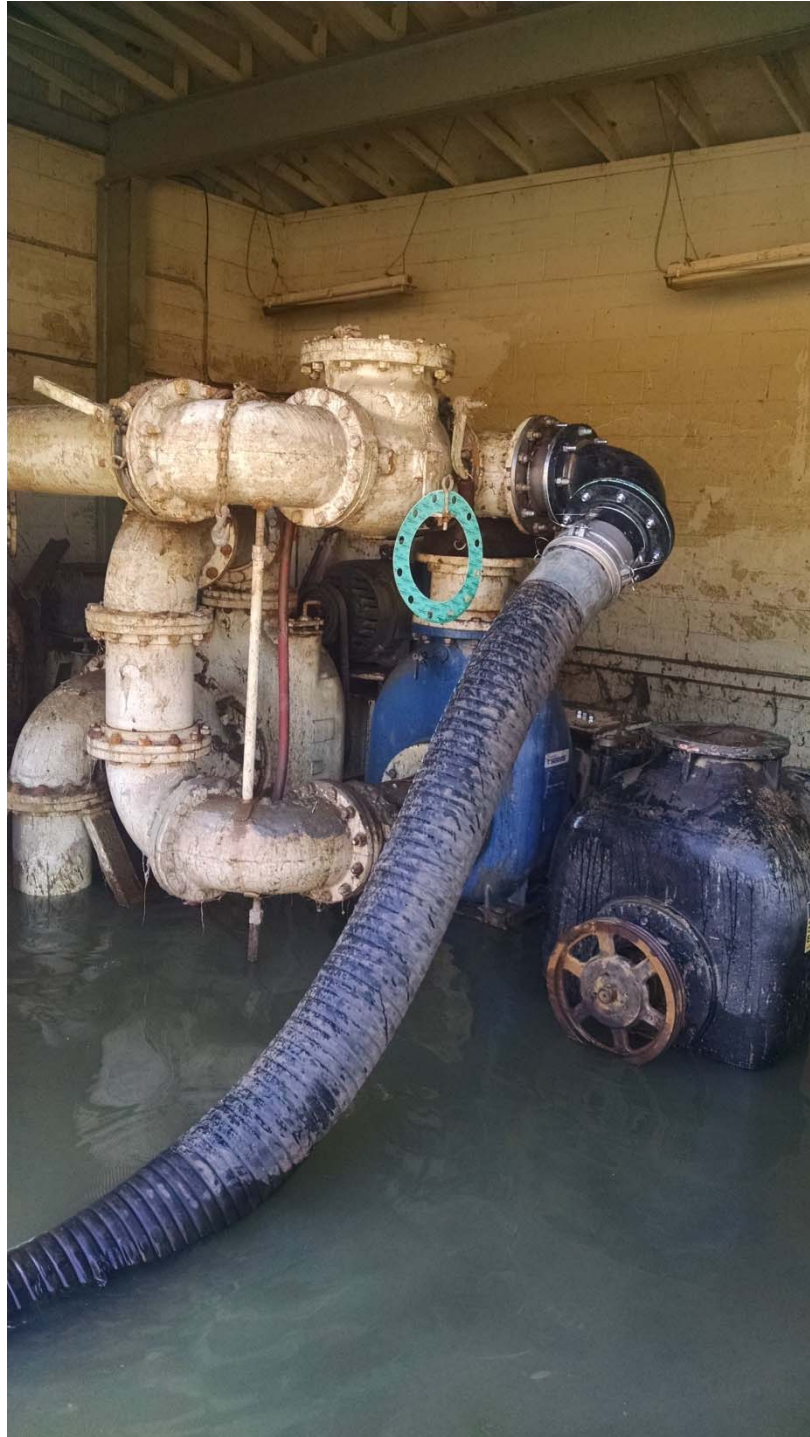














Activity & Expenses by Department

- Shreveport Public Assembly & Recreation (SPAR)
- Police Department
- Fire Department
- Water and Sewerage
- Public Works

FEMA Reimbursement

	Expenses Incurred	Reimbursable Expenses 75%	Amount Reimbursed
Department of Water & Sewerage	\$264,635.22	\$198,476.42	38,992.73
Public Works - Streets and Drainage	\$64,374.90	\$48,281.18	48,280.57
Shreveport Fire Department	\$28,910.07	\$21,682.55	21,682.55
Shreveport Police Department	\$76,046.20	\$57,034.65	57,034.65
Shreveport Public Assembly & Recreation	\$490,976.68	\$368,232.51	-
Total:	\$924,943.07	\$693,707.30	165,990.50

Looking Forward - Mitigation

- The need to purchase and demolish flood prone properties
- Legislation for minimum building elevation
- Department of Water and Sewerage
- Purchase of sandbag machine



THANKS
