

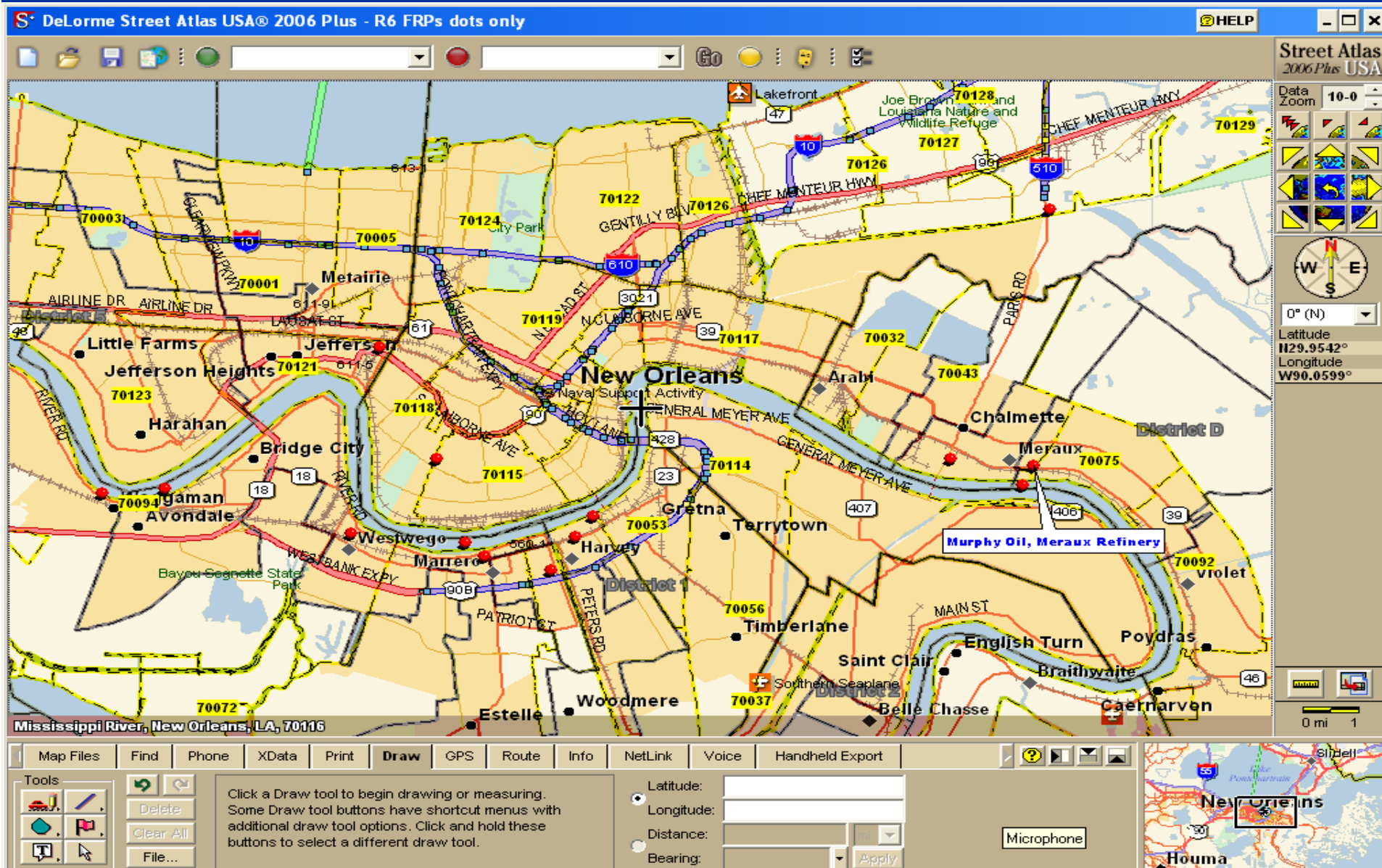
US EPA ARCHIVE DOCUMENT

Murphy Oil, Meraux Refinery Oil Spill

Time line:

1. EPA fly-over ~1 day after Hurricane Katrina floods facility – No oil spill observed.
2. 2-3 days into Katrina – Murphy personnel discover oil spill.
3. 5-6 days into Katrina – USCG on site and no oil observed. Flood water over secondary containment.
4. Approximately 1 million gallons spilled

Location of Murphy Oil, Meraux Refinery



SPCC Plan Review & Inspection Observations

- SPCC/ FRP Plan reviewed for regulatory compliance.
- Inspection records.
- Tank design/construction.
- Secondary containment.
- Piping Installation/construction.
- FRP implementation.

General Observations

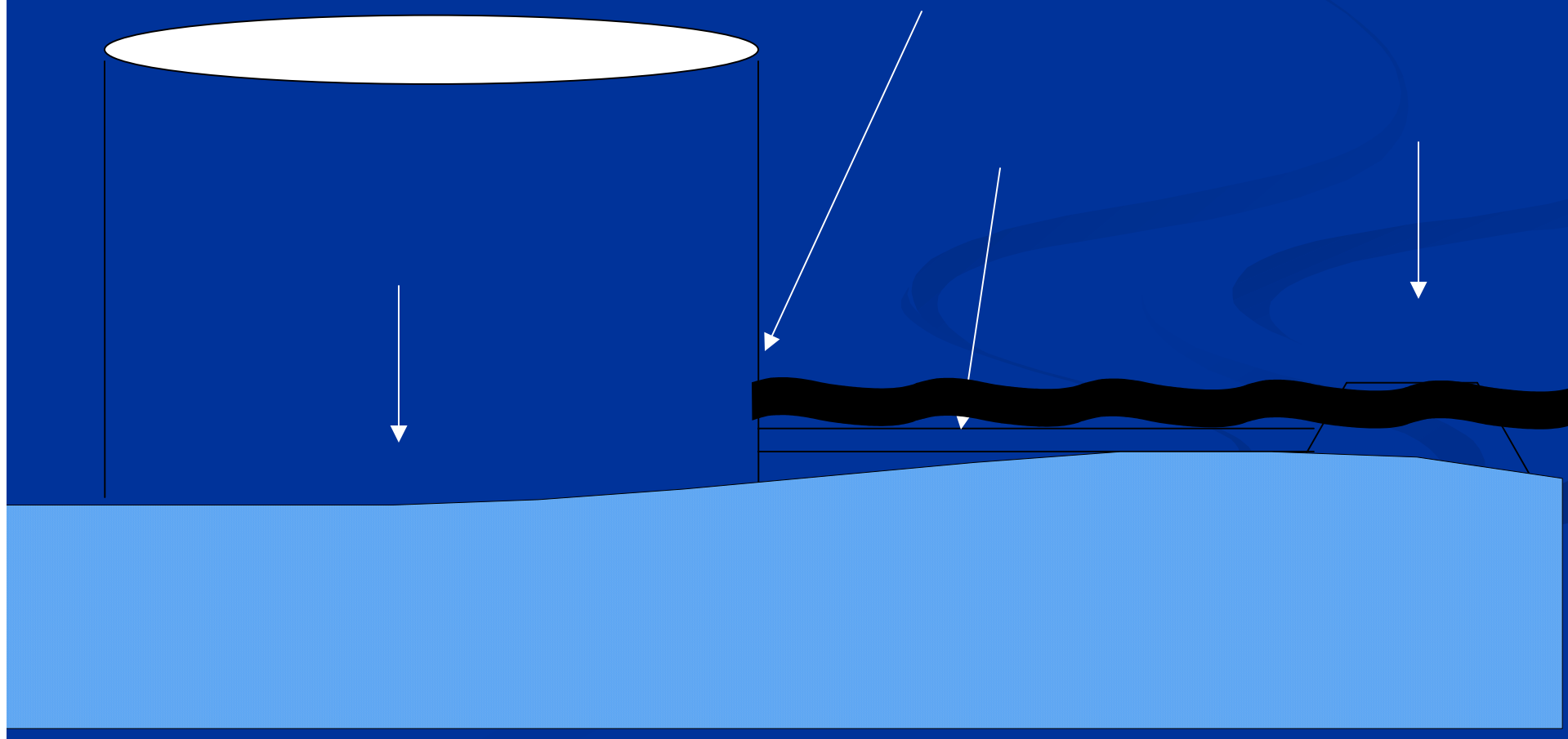
- Facility had implemented best management practices;
 - Tank integrity/pipe testing.
 - Adequate secondary containment.
 - Tanks had been constructed in accordance with industry standards based upon the SPCC Plan review.

Issues of Concern

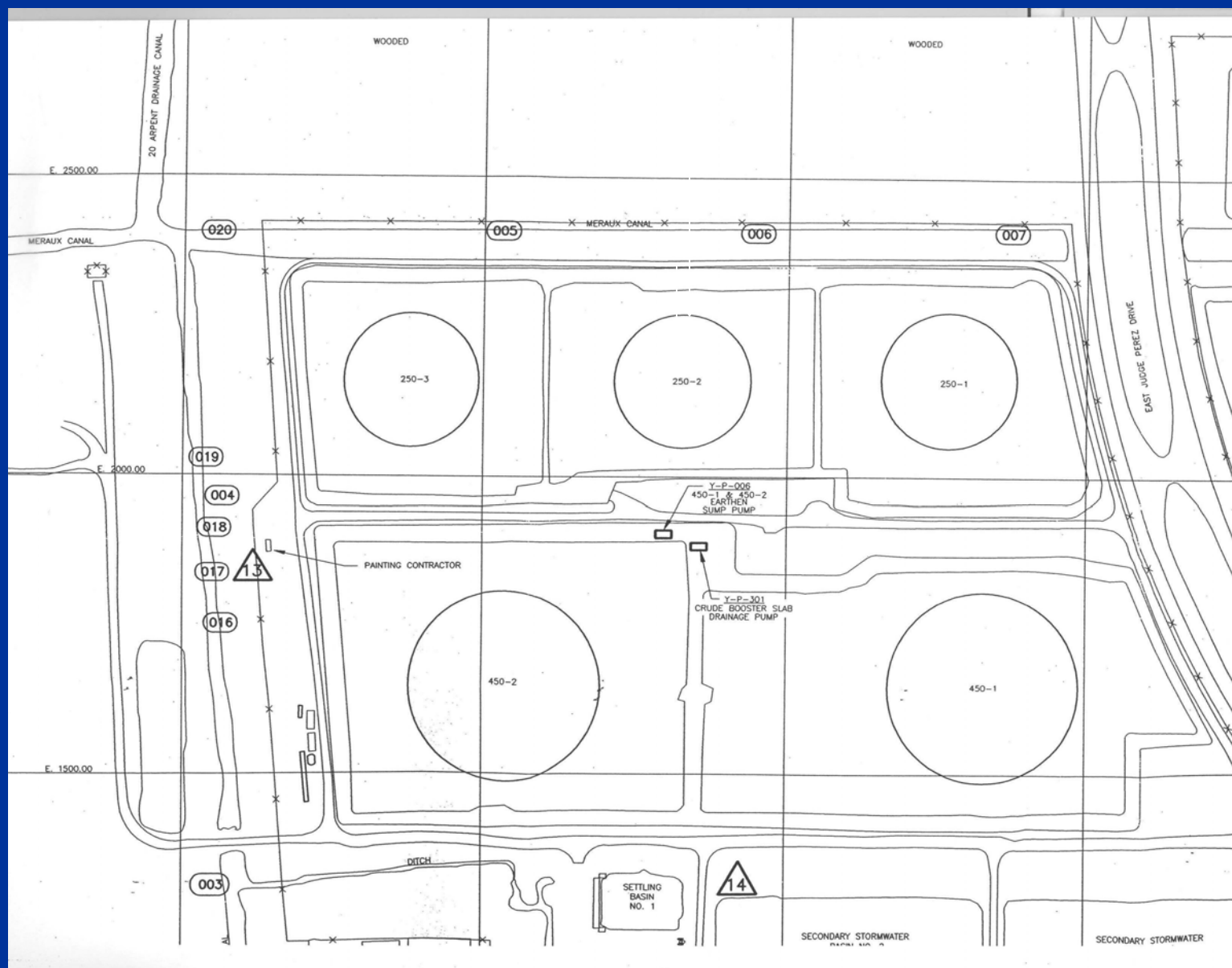
- Piping extending through secondary containment wall.
- QI activities.
- Management oversight.
- Improper description of security at facility.
- Use indigenous personnel.



Murphy, Meraux Terminal Oil Spill from Tank #250-2



Murphy Oil, Meraux Refinery



Containment Capacity:
19,300,000 gallons

Containment Capacity:
18,900,000 gallons

450-2

250-3

250-2
10,416,000 Gal

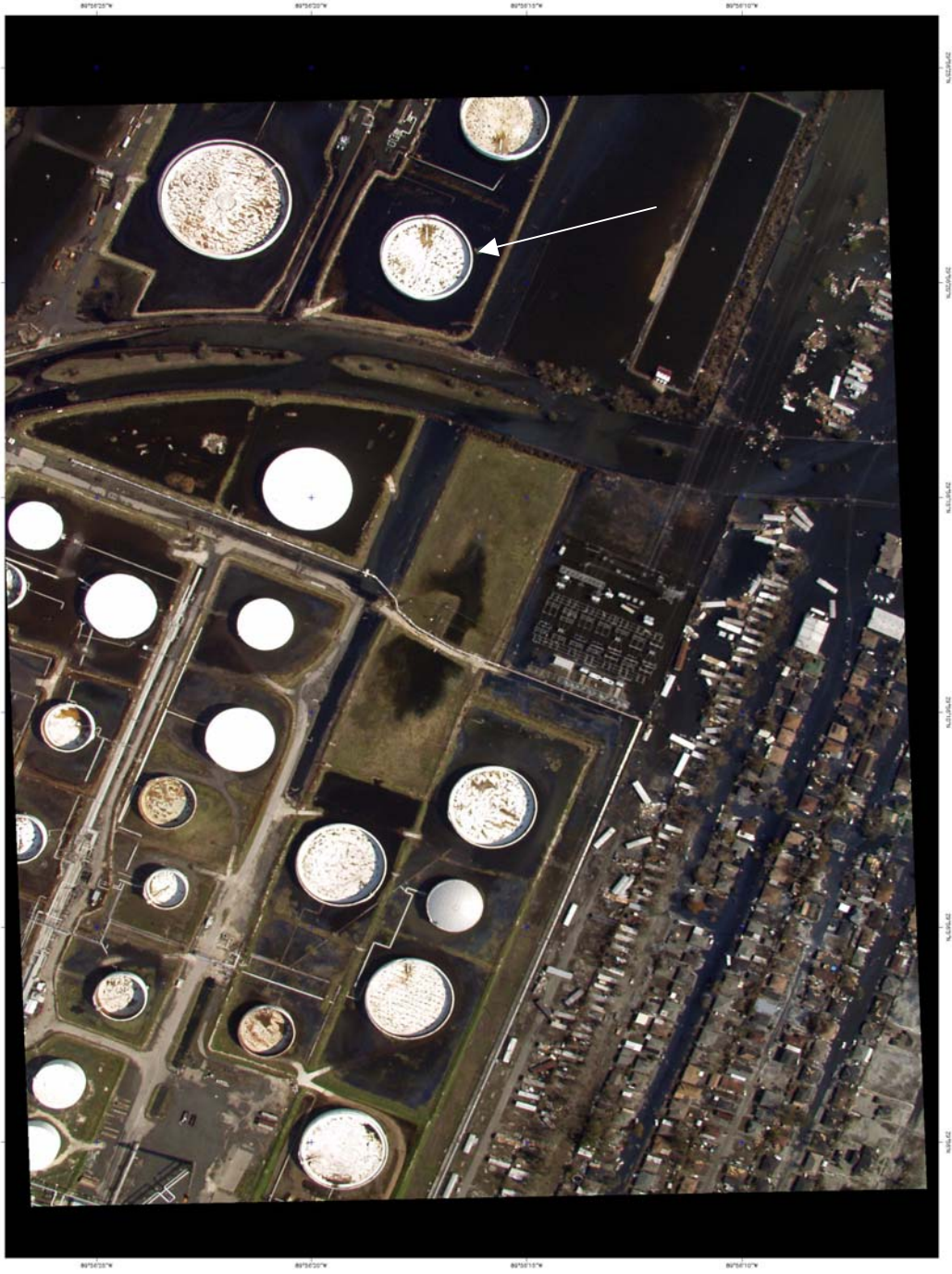
Containment merge area

450-1
18,175,164 Gal

250-1

Combined containment capacity:
38,200,000 gallons









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Tank 250-2







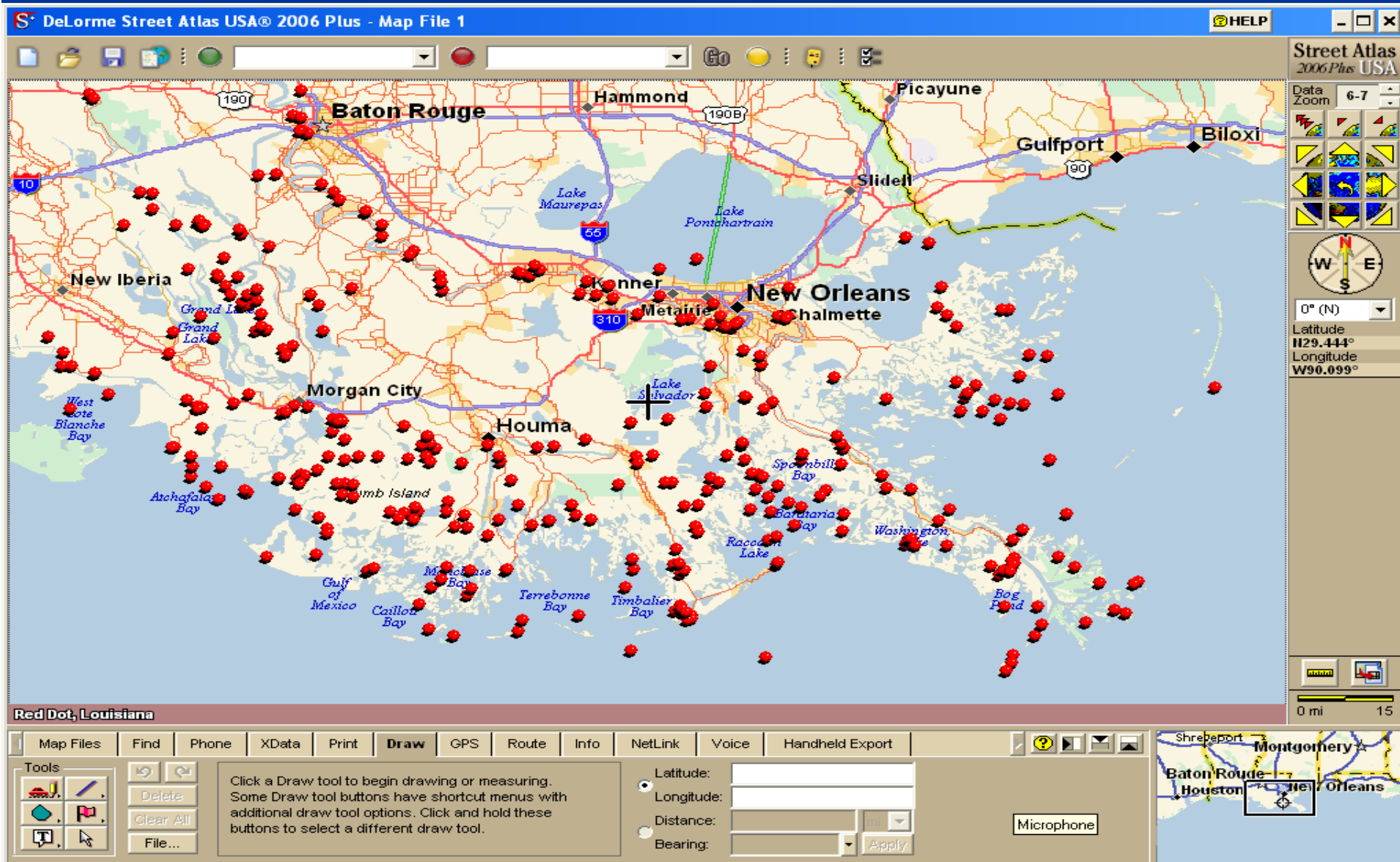








Southern Louisiana Significant and Substantial Harm FRP facilities



Future Challenges

- Budgetary constraints.
- Regulatory implementation under the revised SPCC regulations for facilities and the Agency alike.
- Targeting facilities for inspection.
- Increased incidents related to natural disasters.
- Shortages of response resources during large events.
- Understanding, preventing, planning, preparing and responding to catastrophic spill events.
- There no such thing as a impermeable fence.