

# Bayou Verdine Superfund Site

Casey Lockett Snyder

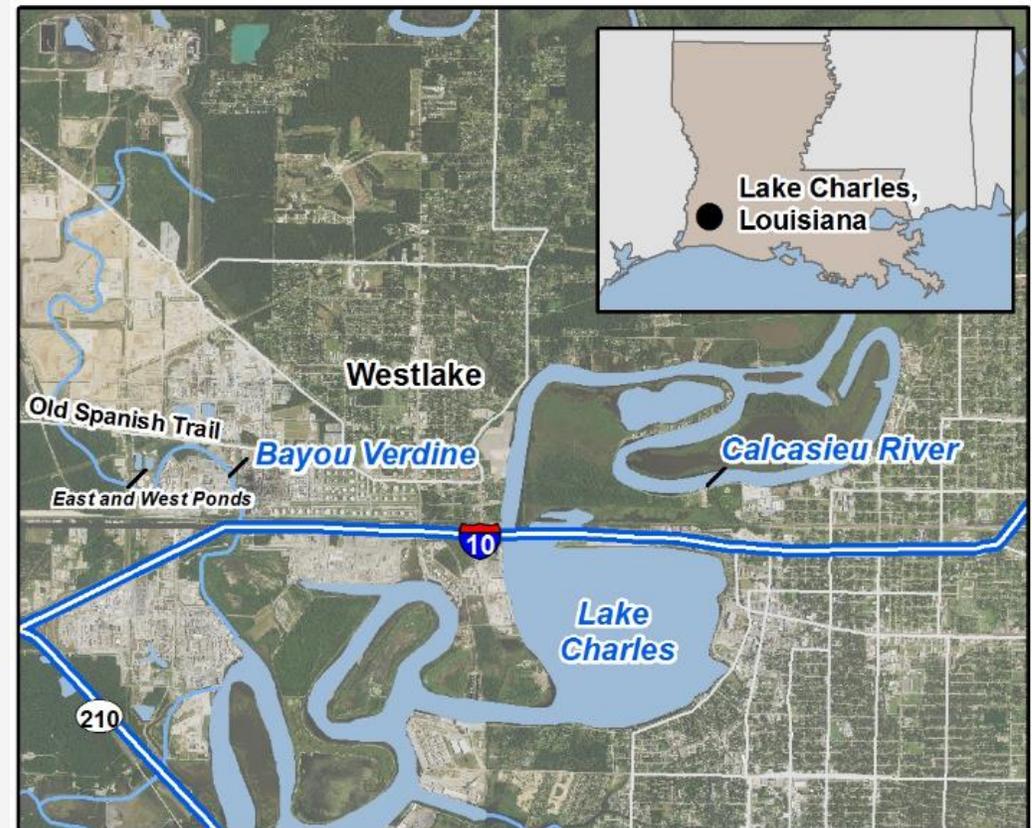
# Presentation Overview

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- Site History
- Site Cleanup
- Reuse Planning
- Reuse Outcomes
- Lessons Learned

# Site History

- Lake Charles, Louisiana
  - Southwest Louisiana
  - Westlake Community
  - Near Lake Charles and Calcasieu River
  - 130 miles west of Baton Rouge
- Petroleum refinery and petrochemical complex
- Polycyclic aromatic hydrocarbons (PAHs) and heavy metals



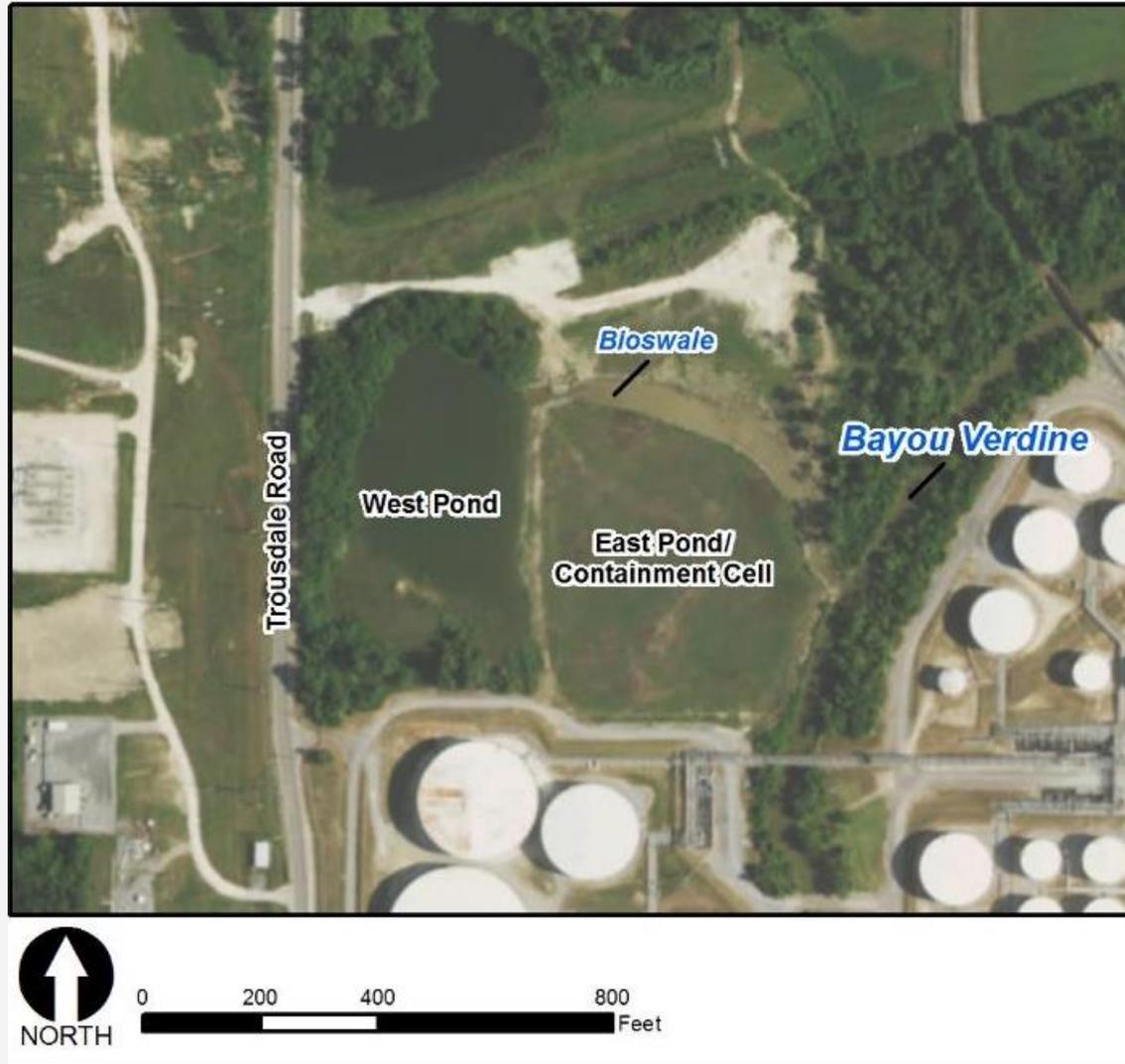
Sources: Esri, DeLorme, AND, Tele Atlas, First American, UNEP-WCMC, USGS and USDA (2015 National Ag. Imagery Program Mosaic.)

# Site Cleanup

- 2003 – EPA Calcasieu Estuary Investigation
- 2010 – Consent Decree
- December 2011 – Removal Action Work Plan
- September 2012 – Cleanup begins



# Site Cleanup



# Site Cleanup

- Dredging
  - Hydraulic dredging
  - Mechanical excavation
- Calcasieu Estuary Task Force



# Site Cleanup

- September 2012 – Cleanup begins
- February 2014 – Dredging completed
- October 2014 – Sediments solidified in the settling basin
- December 2014 – Top liner installed on containment cell



# Reuse Planning

- Green remediation
- Considered ecological reuse during cleanup
- Ecological Revitalization Plan



# Reuse Planning

- West pond deepened
- East pond containment cell covered
- Cleanup completed April 2015



# Reuse Outcomes



# Reuse Outcomes



January 2015



February 2015

# Reuse Outcomes

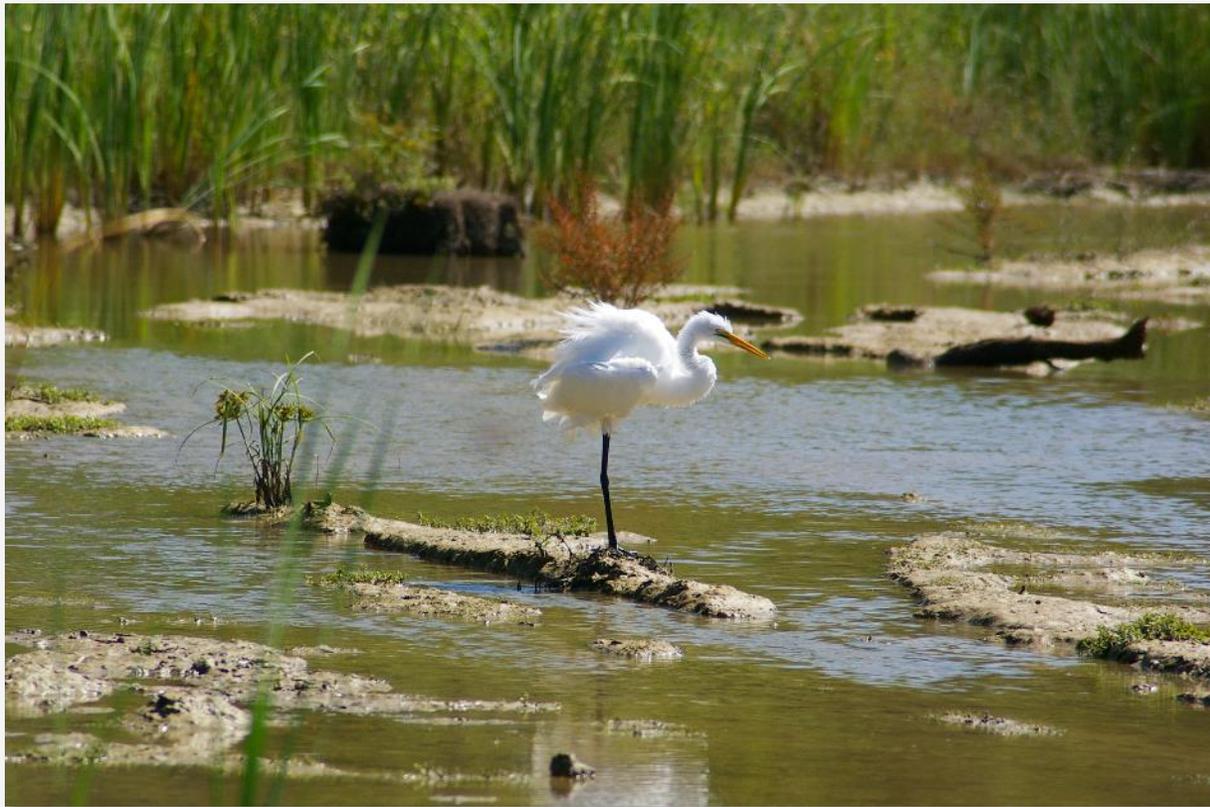


March 2015



September 2015

# Reuse Outcomes



# Reuse Outcomes



# Reuse Outcomes



# Reuse Outcomes

- October 2015, EPA Region 6 Greenovations Award
- 2016, EPA National Notable Achievement Award - Casey Lockett Snyder



# Lessons Learned

- Approach projects with out-of-the box thinking
- Incorporate reuse considerations in cleanup design
- Communicate, collaborate and build relationships



# Contact Information

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