

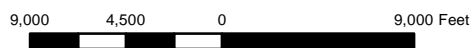
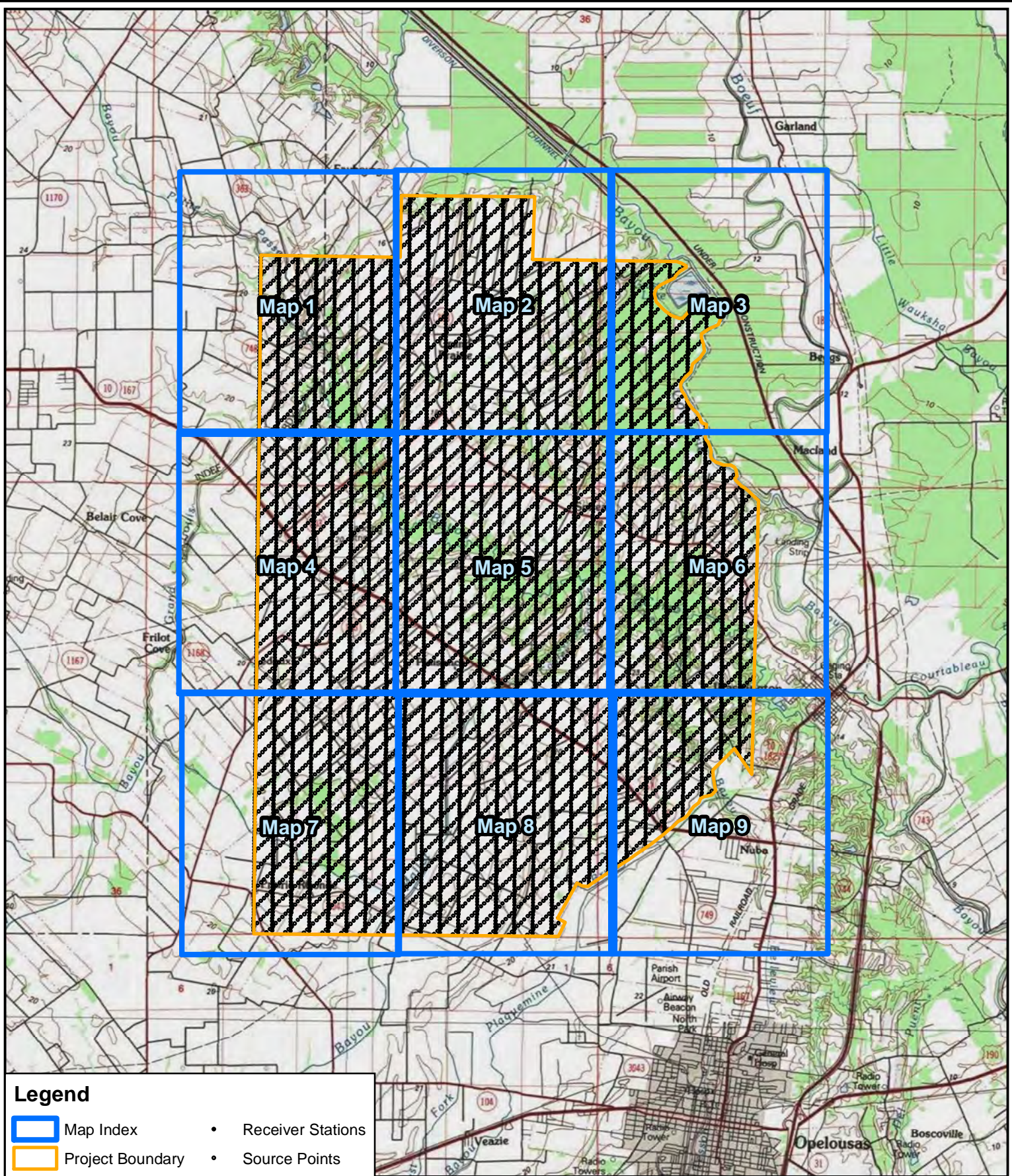
9,000 4,500 0 9,000 Feet

## VICINITY MAP

USA Topographic Map

Gulf Coast Western, LLC.  
 Proposed 3 - D Seismic Survey  
 Bonanza 3 - D Phase I East  
 St. Landry & Evangeline Parishes, Louisiana  
 December 3, 2012



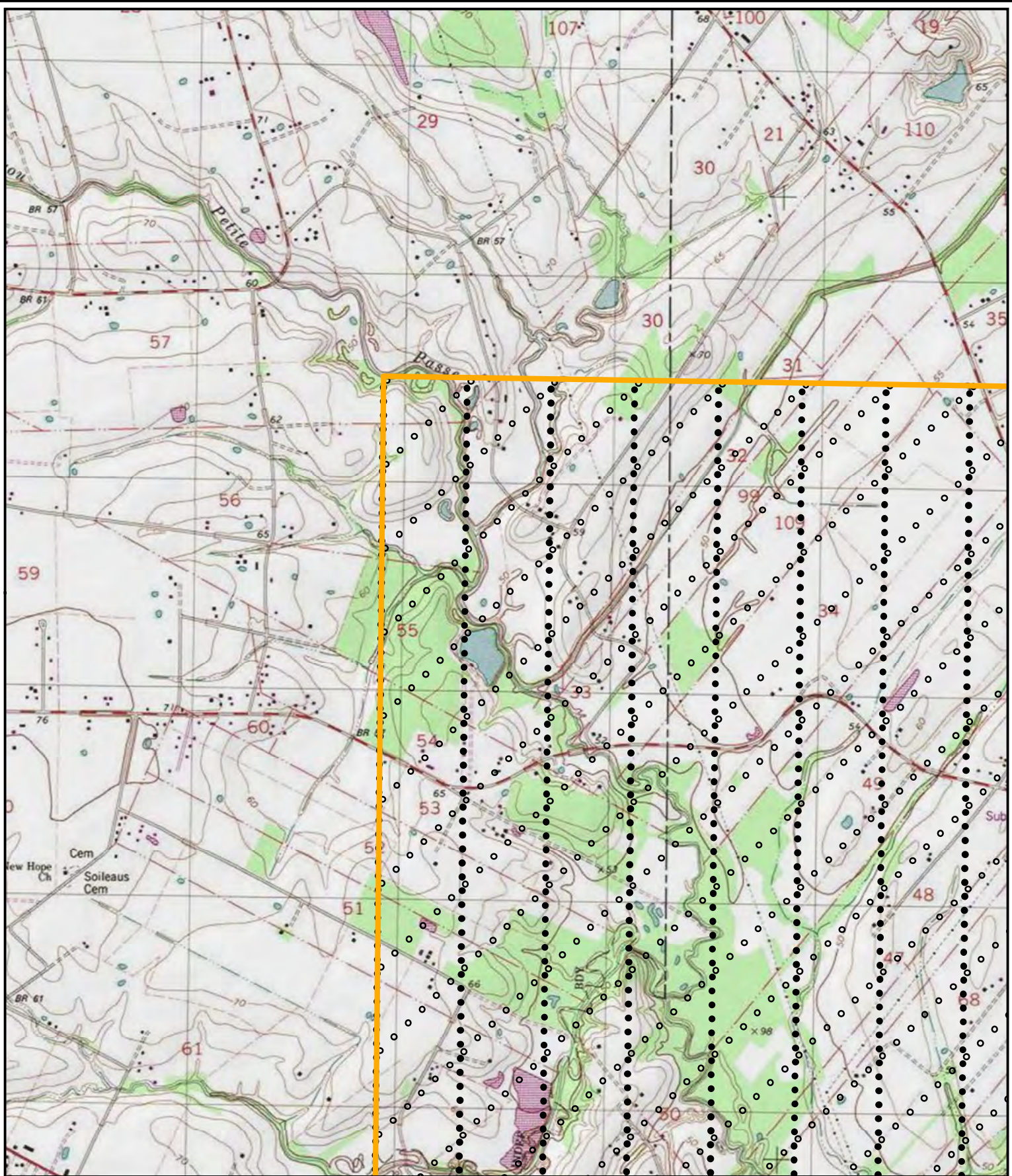


## INDEX MAP

USA Topographic Maps

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 St. Landry & Evangeline Parishes, Louisiana  
 December 3, 2012





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(Map 1 of 9)



- Project Boundary
- Receiver Stations
- Source Points



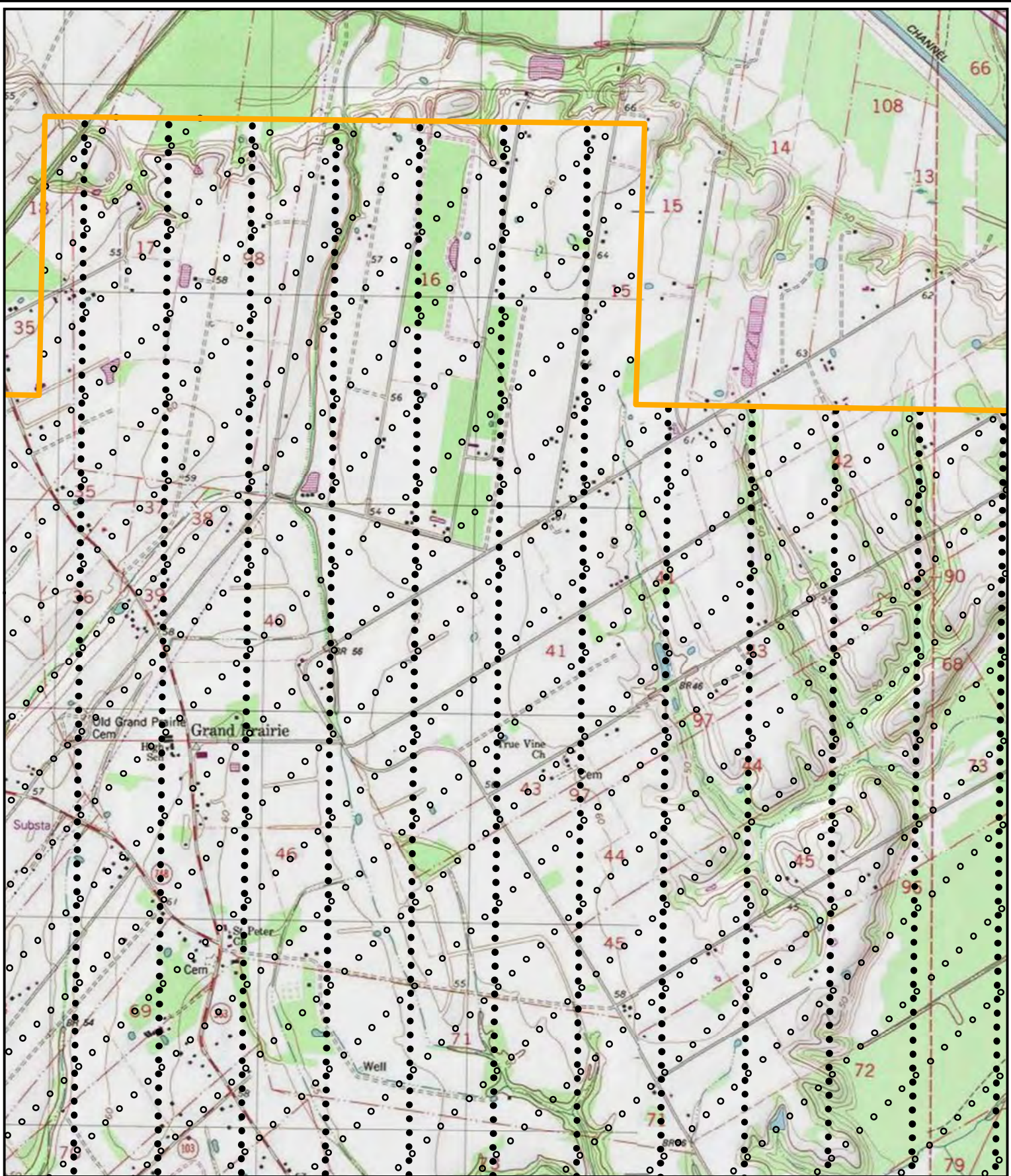
2,000 1,000 0 2,000 Feet

## DETAIL MAP

USA Topographic Maps

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- Project Boundary
- Receiver Stations
- Source Points



2,000 1,000 0 2,000 Feet

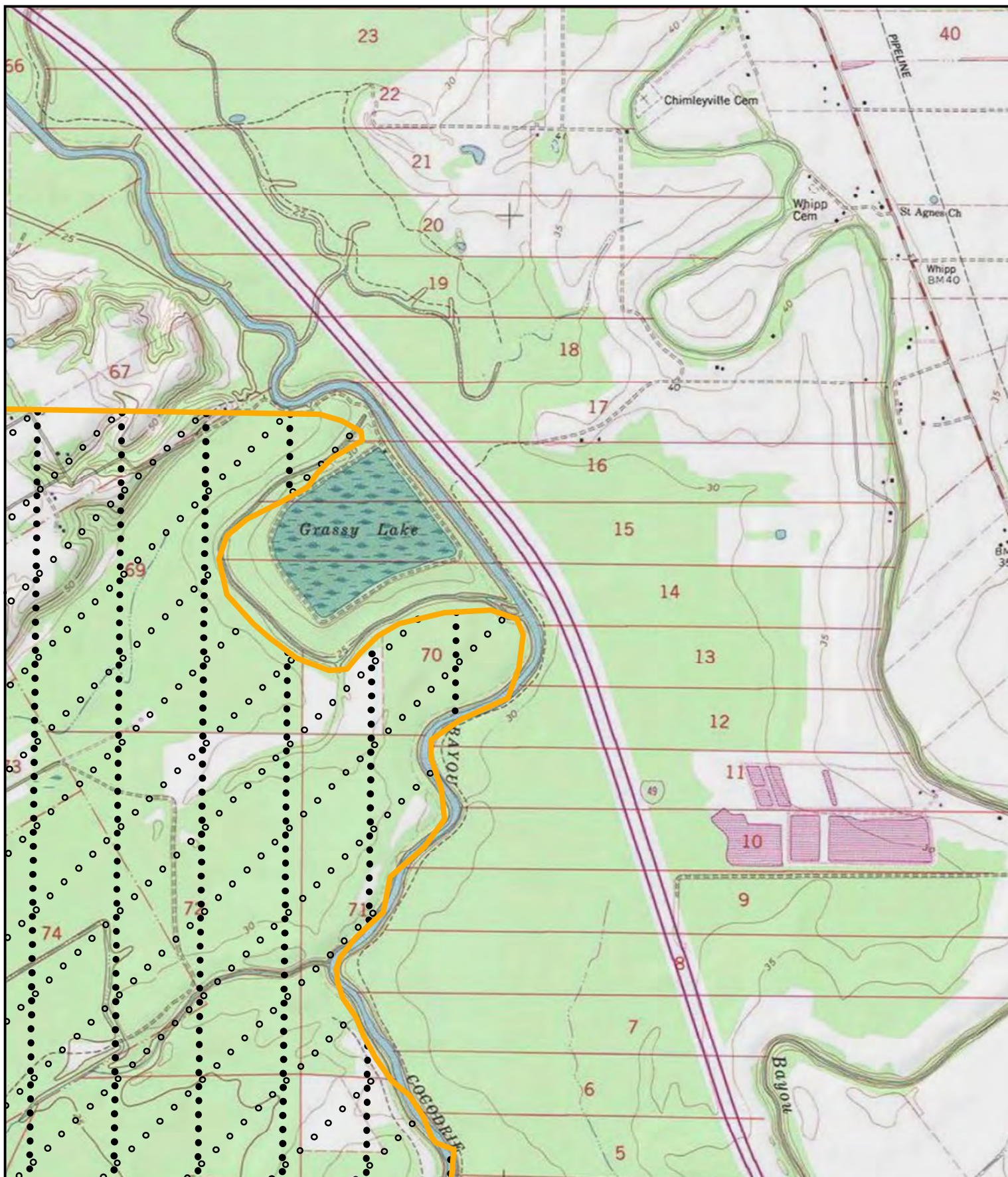


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- Project Boundary
- Receiver Stations
- Source Points



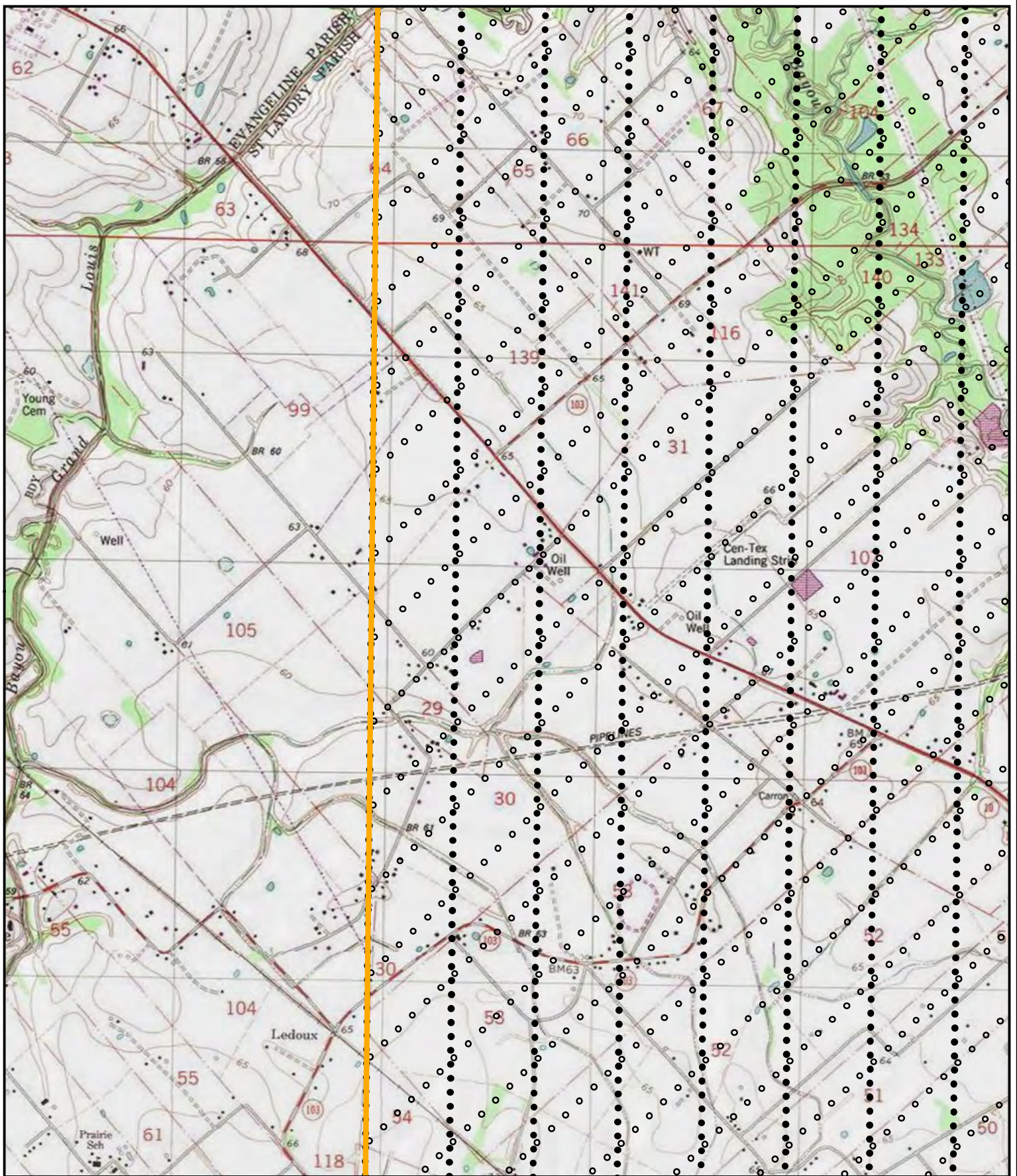
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- Project Boundary
- Receiver Stations
- Source Points



2,000 1,000 0 2,000 Feet

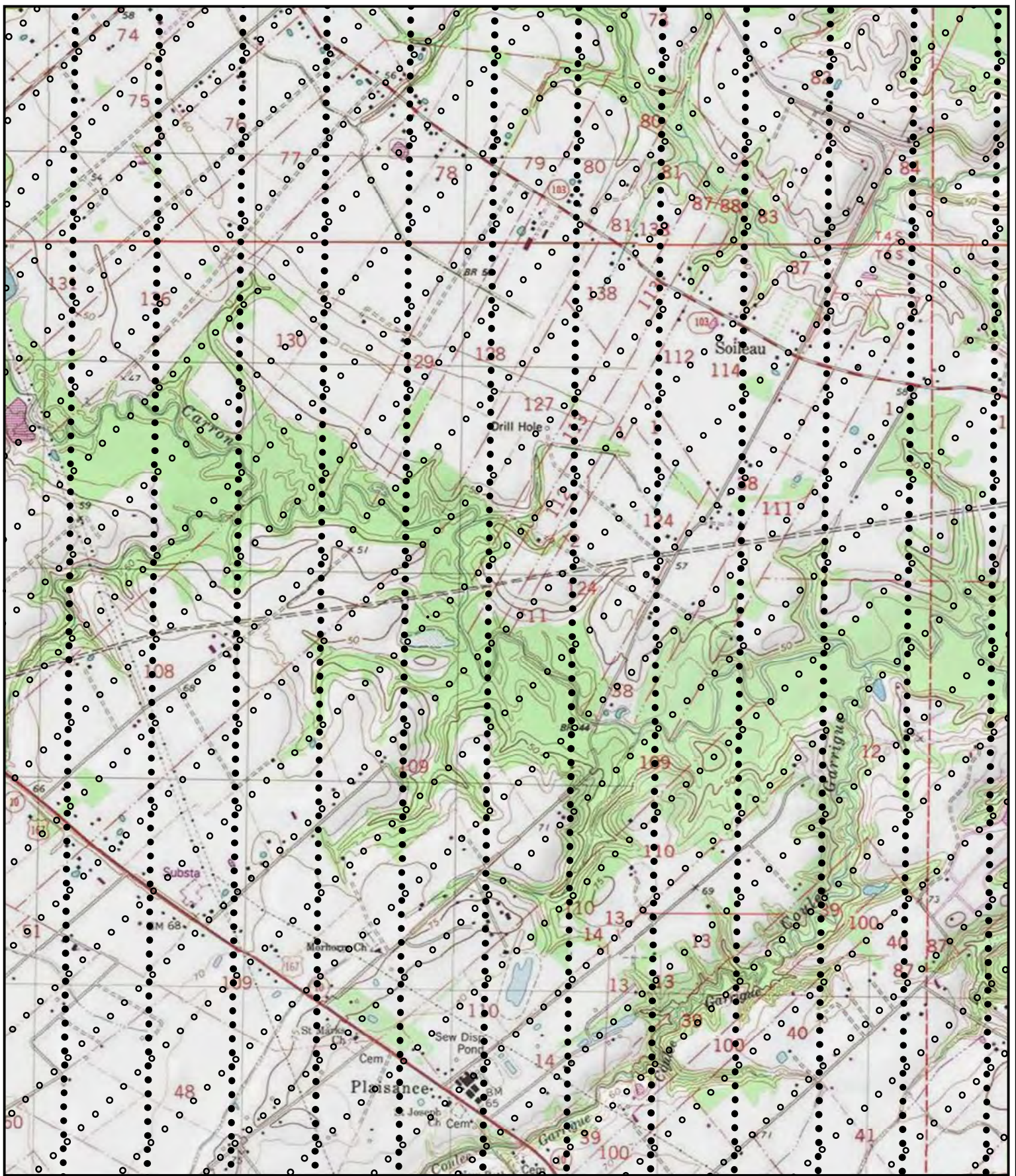


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- Project Boundary
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2,000 1,000 0 2,000 Feet

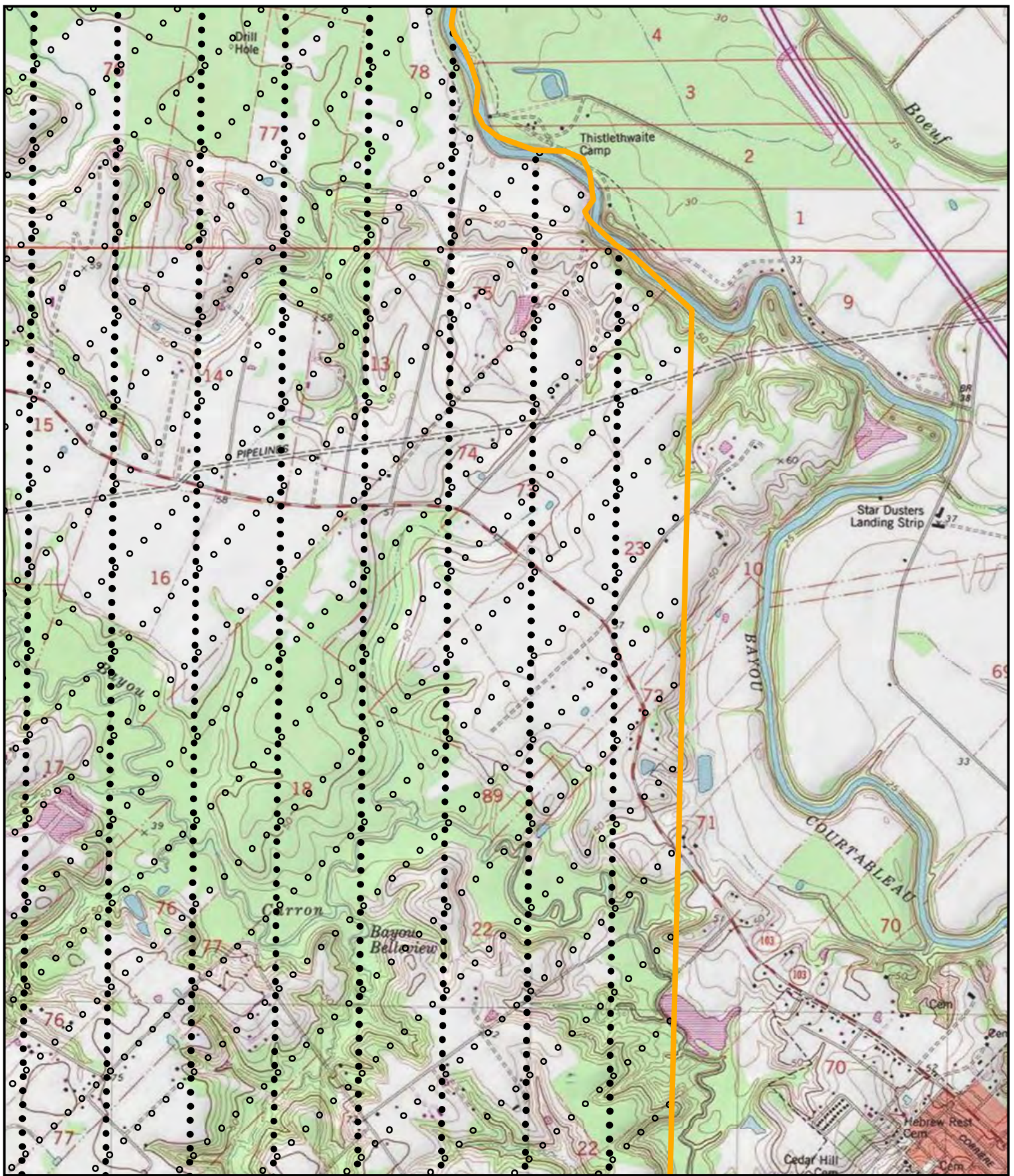


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(Map 6 of 9)



- Project Boundary
- Receiver Stations
- Source Points



2,000 1,000 0 2,000 Feet

## DETAIL MAP

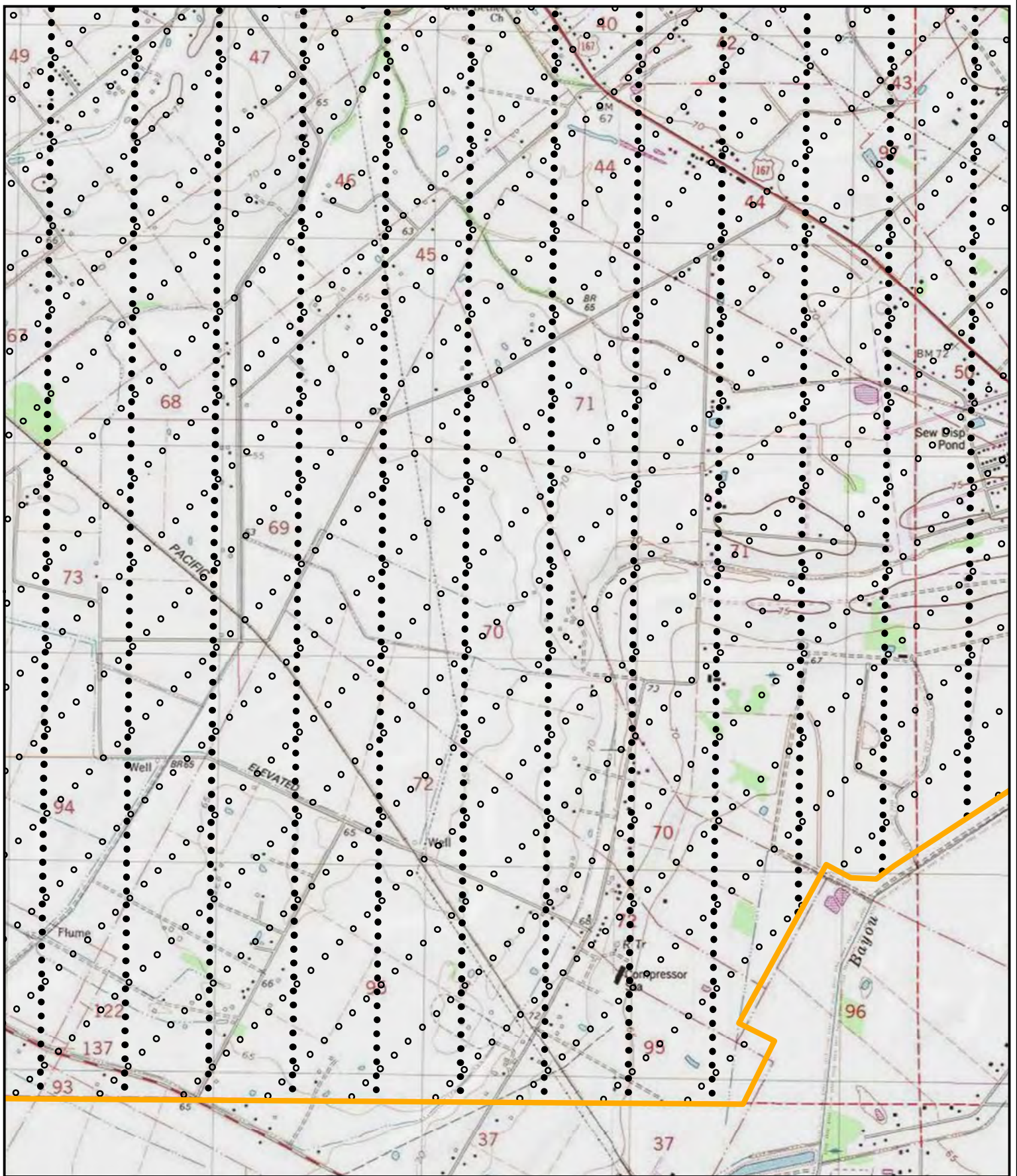
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- Project Boundary
- Receiver Stations
- Source Points



2,000 1,000 0 2,000 Feet

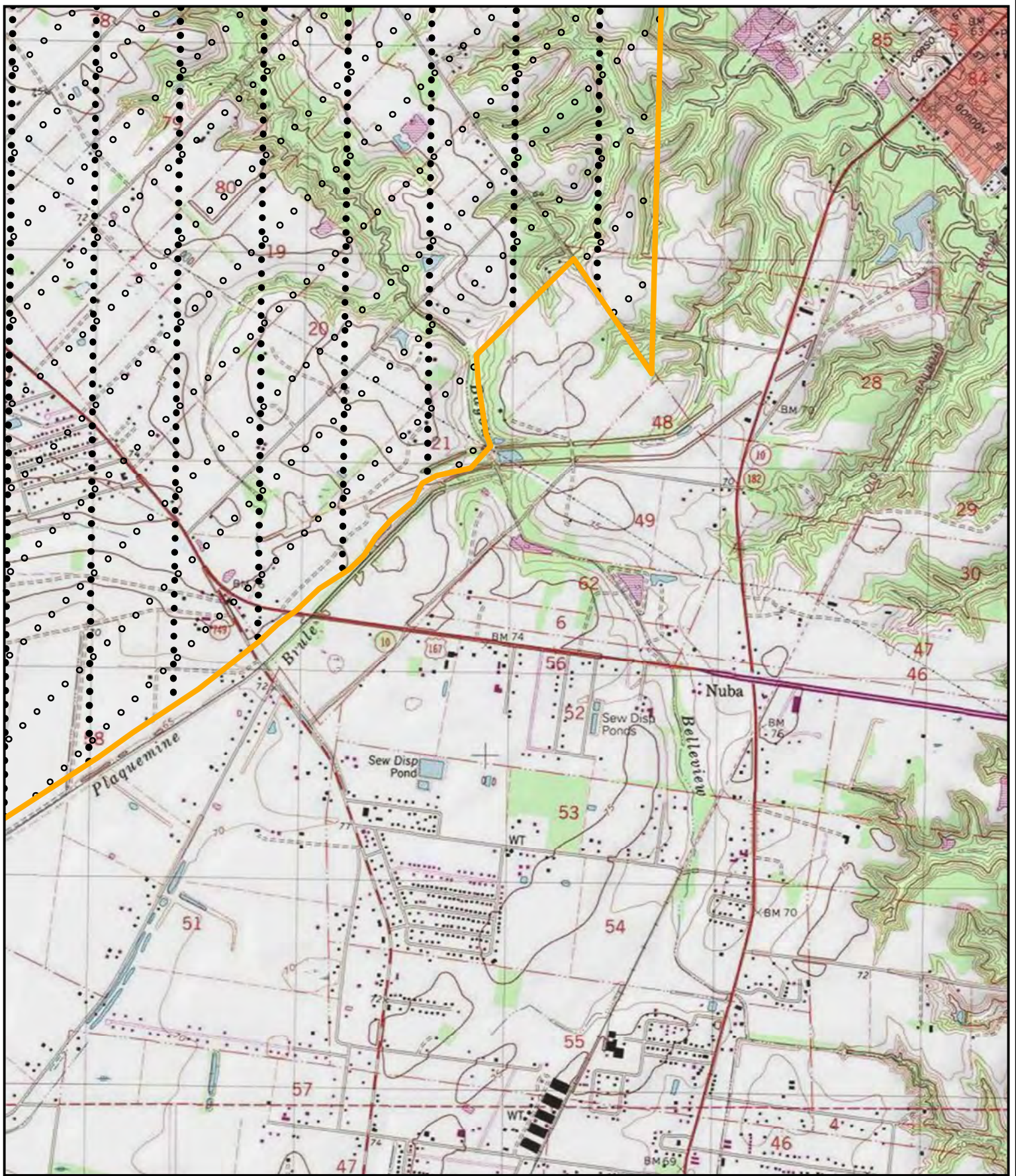


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2,000 1,000 0 2,000 Feet

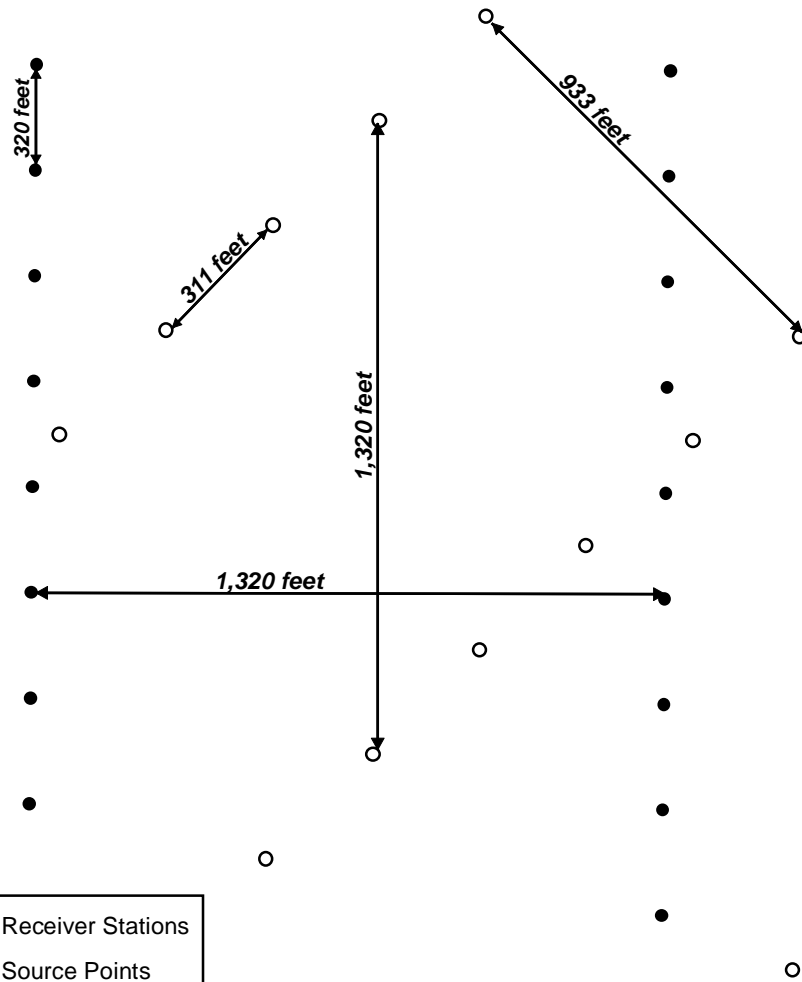
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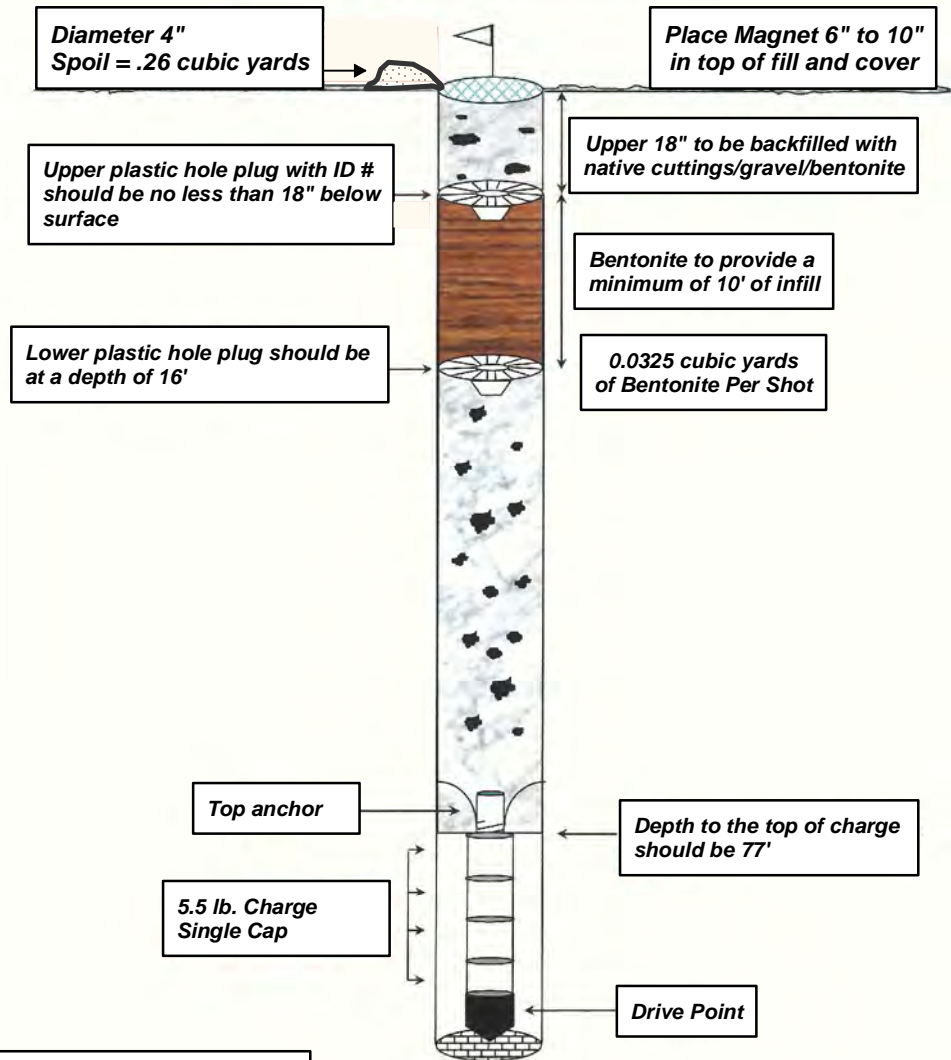


**Typical: Shot Hole Spacing**



DISCLAIMER: At this time, Fenstermaker & Associates, Inc. has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

**Typical: Shot Hole Diagram  
(80-ft. Hole - LA State Regulations)  
(Not to scale)**



**Total Receiver Stations = 5,471**  
**Total Source Points = 5,396**  
**Total Cubic Yards = 1,402.96**

