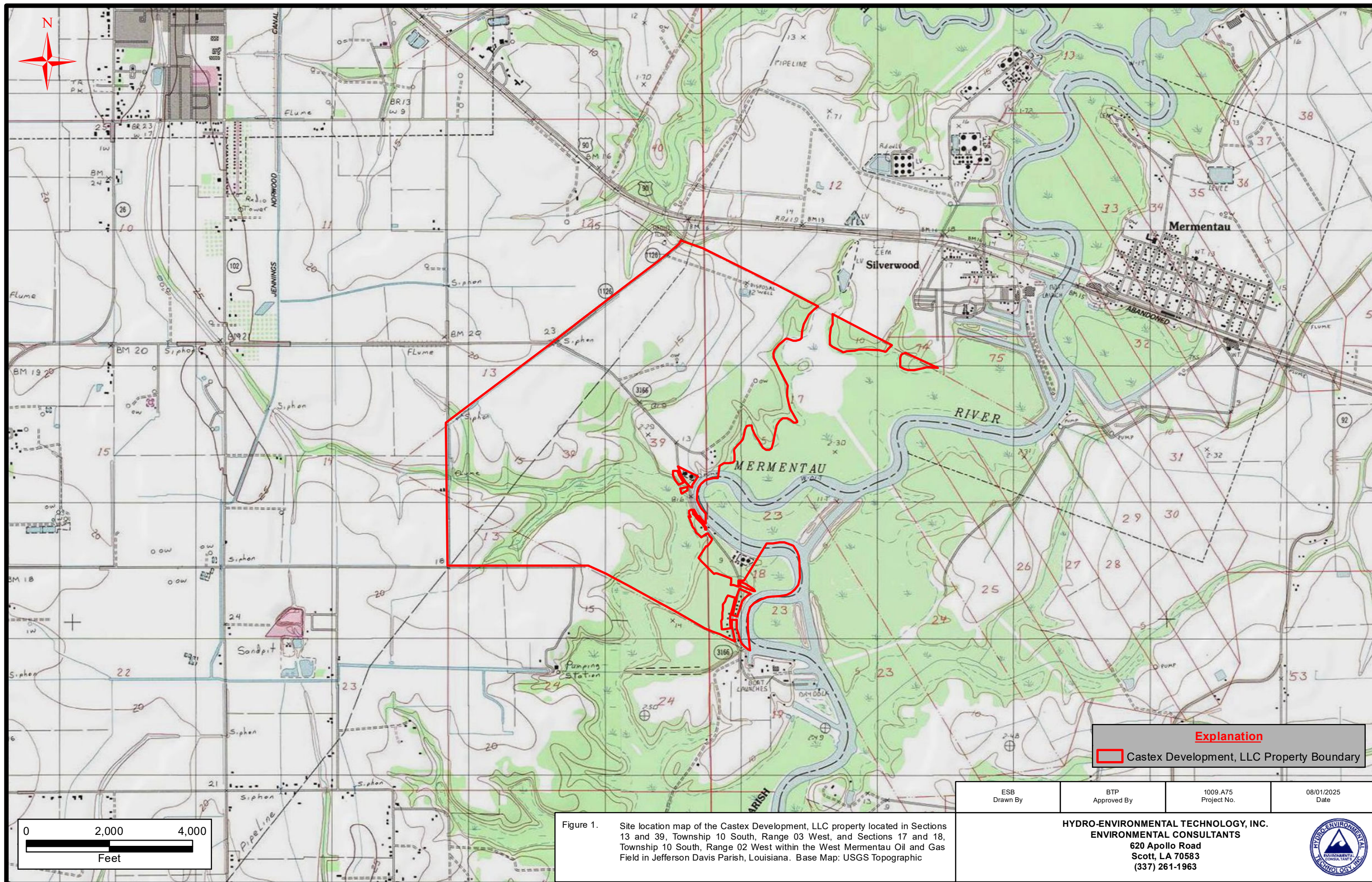
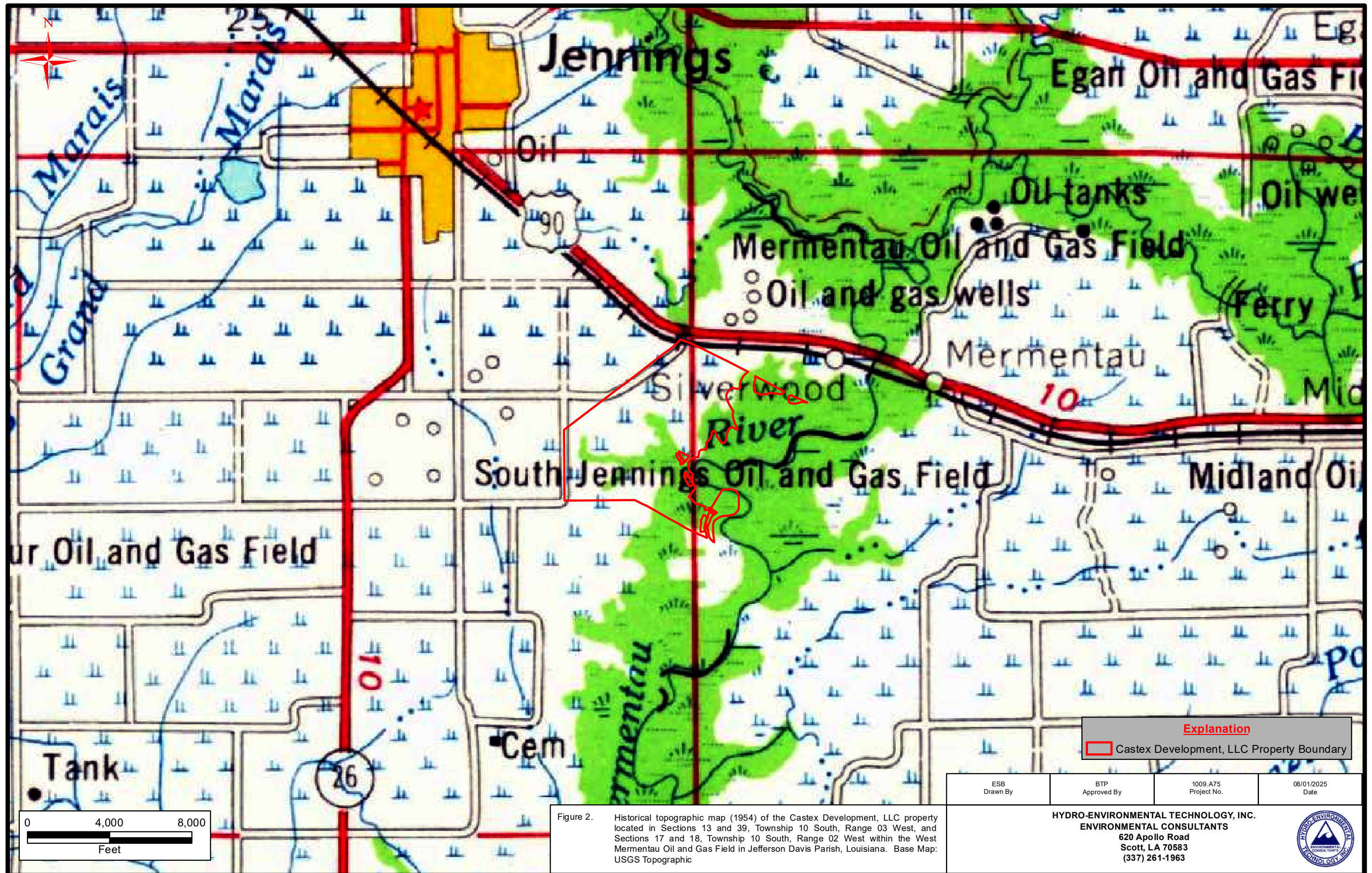


APPENDIX B
FIGURES





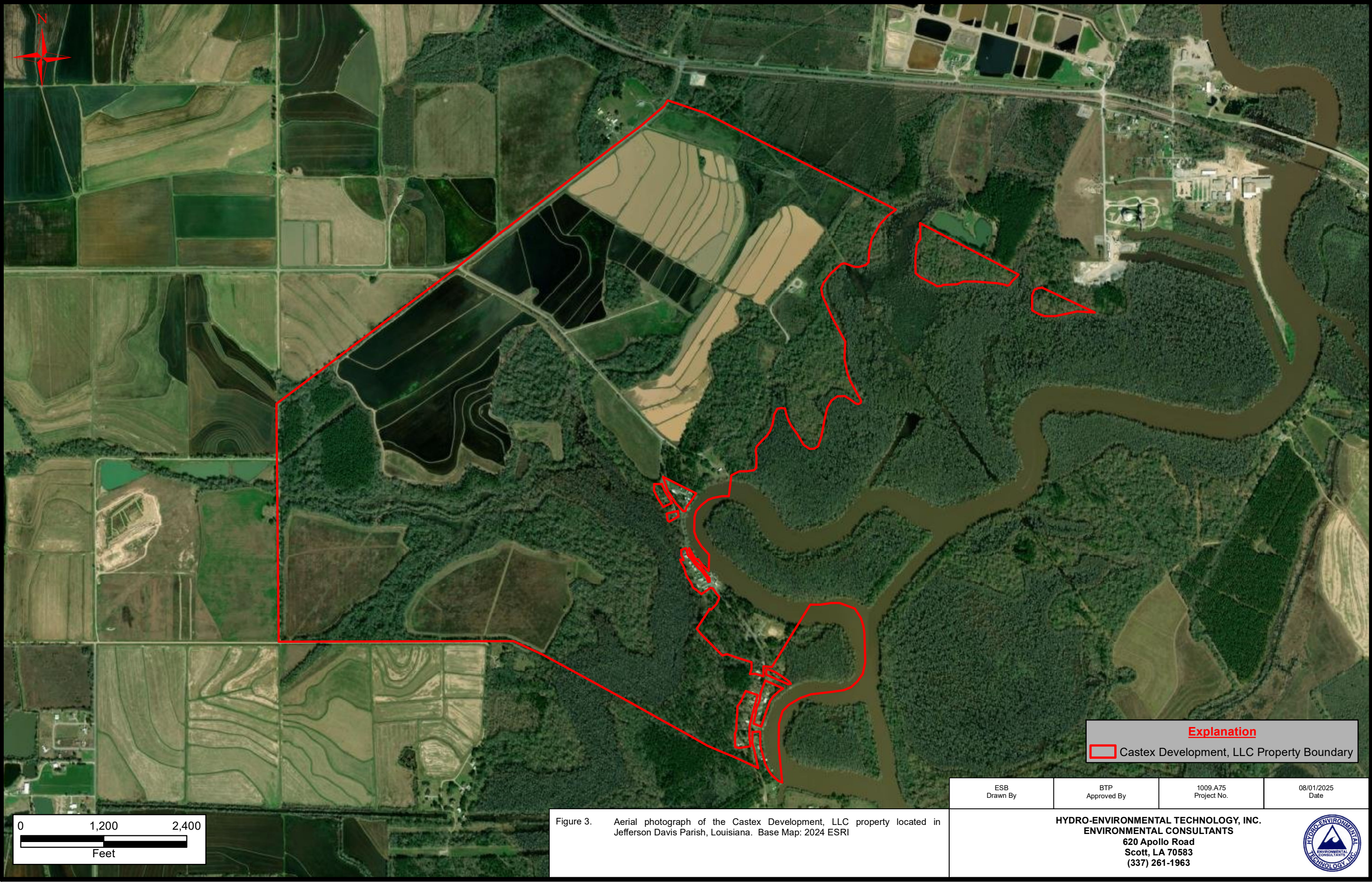
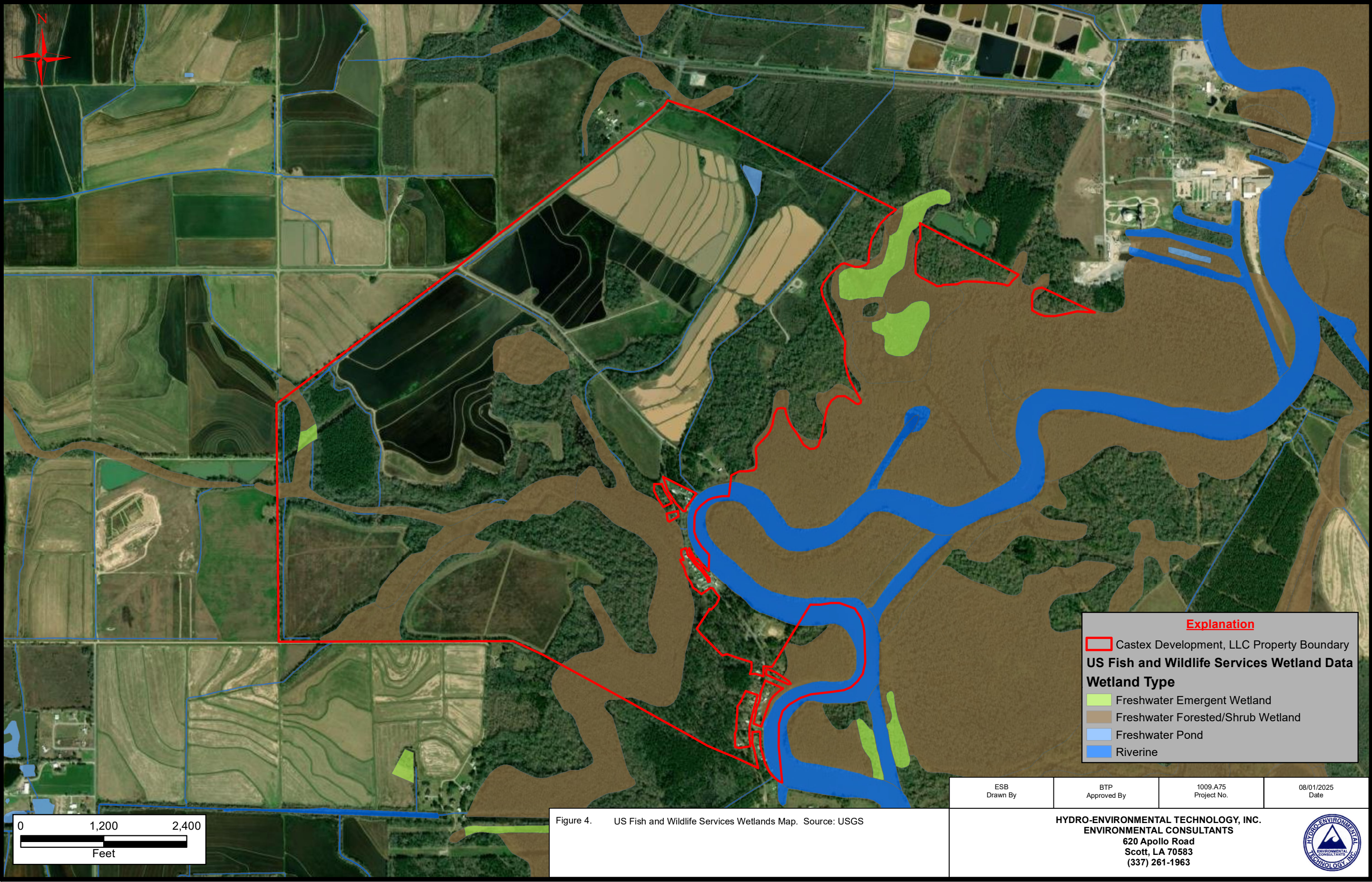
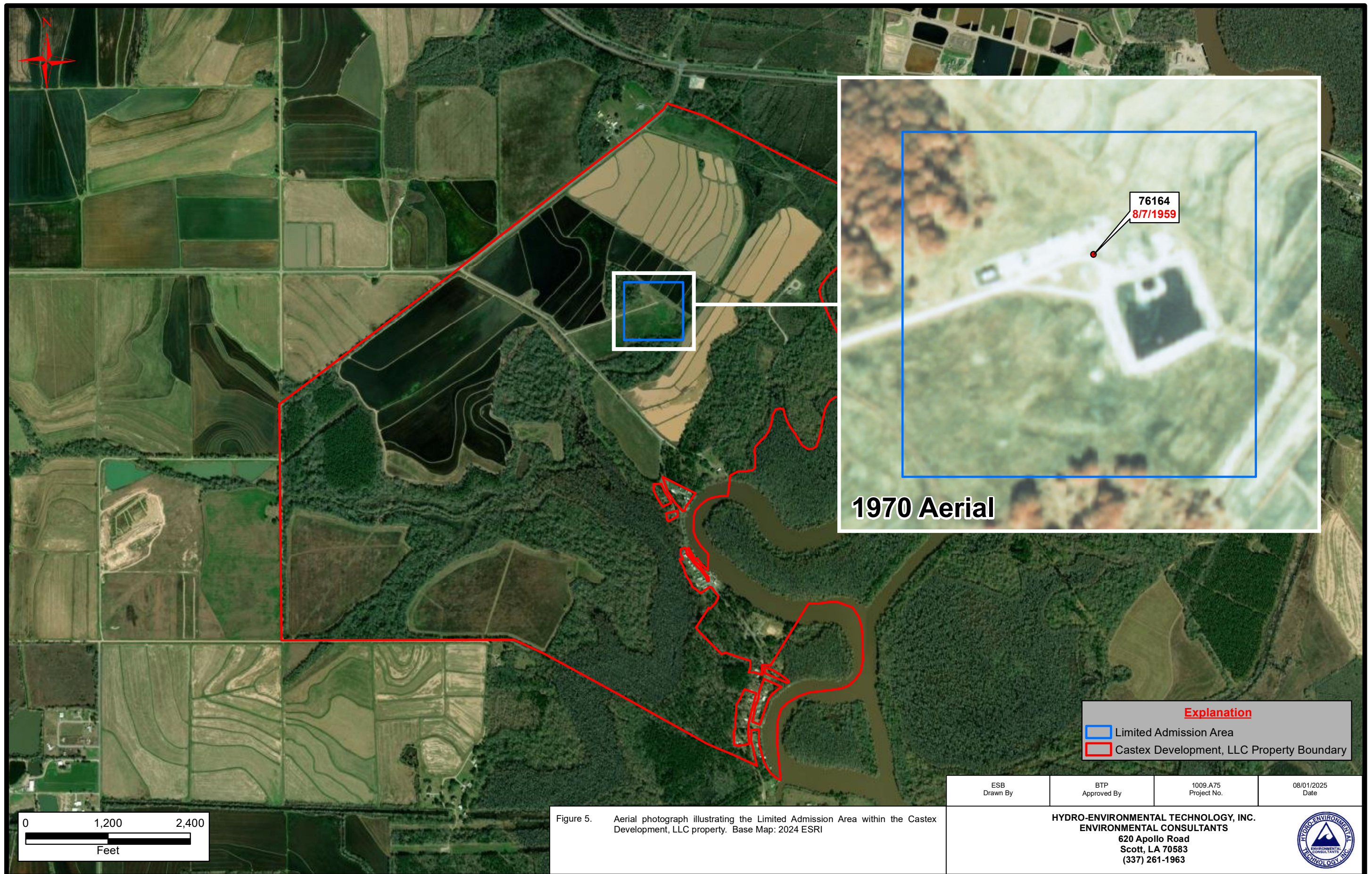


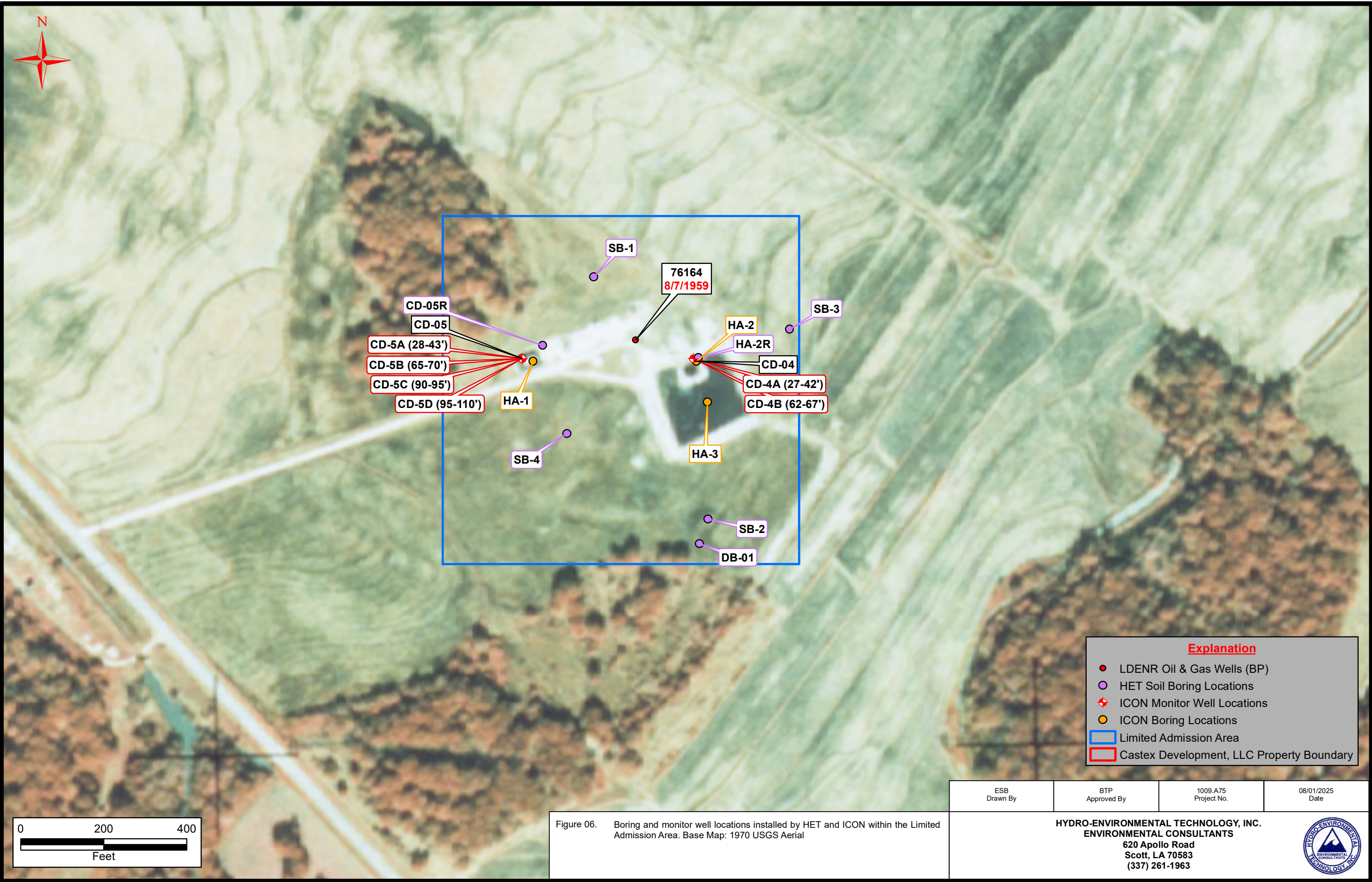
Figure 3. Aerial photograph of the Castex Development, LLC property located in Jefferson Davis Parish, Louisiana. Base Map: 2024 ESRI

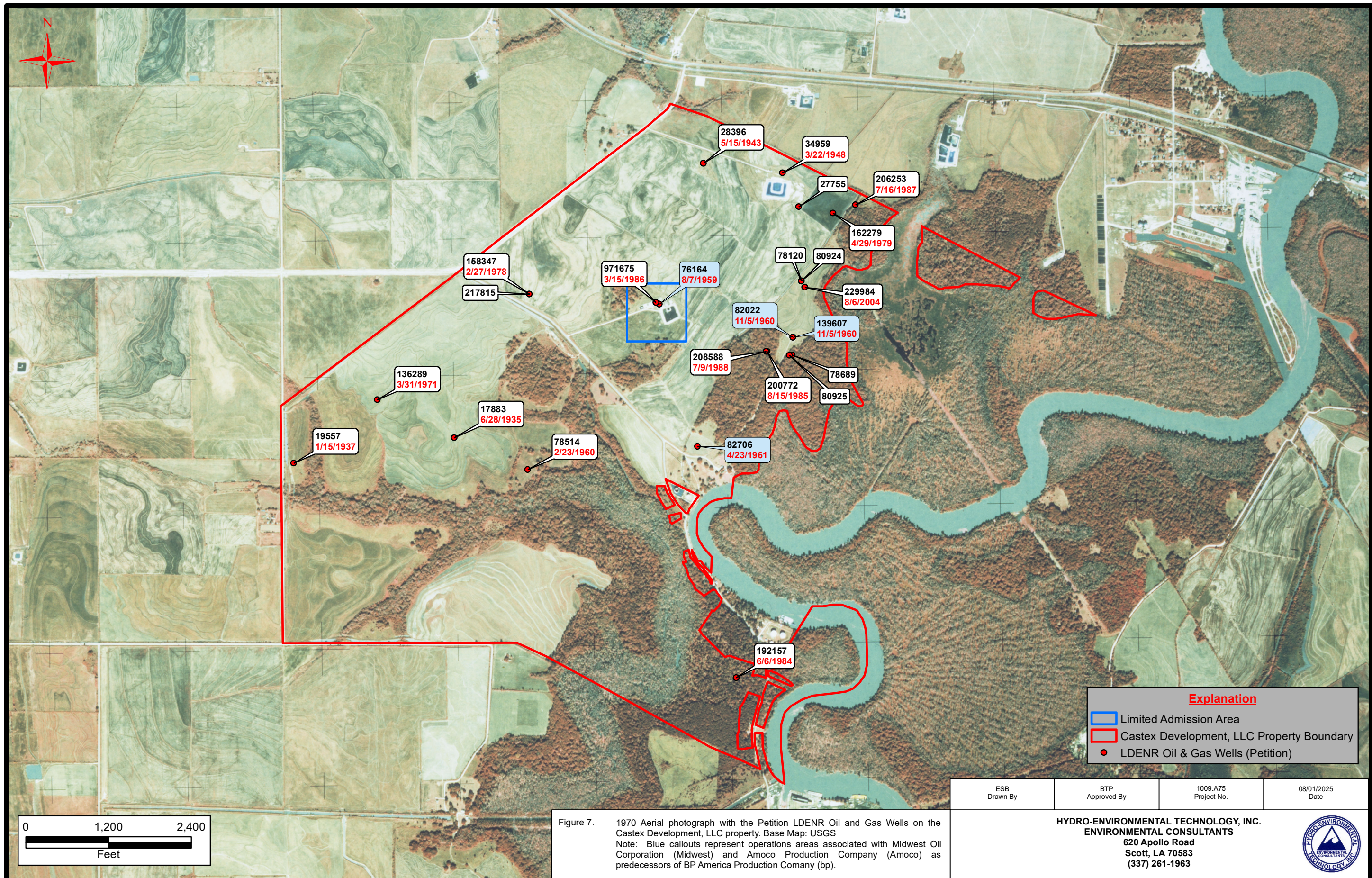
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HYDRO-ENVIRONMENTAL TECHNOLOGY, INC. ENVIRONMENTAL CONSULTANTS 620 Apollo Road Scott, LA 70583 (337) 261-1963			











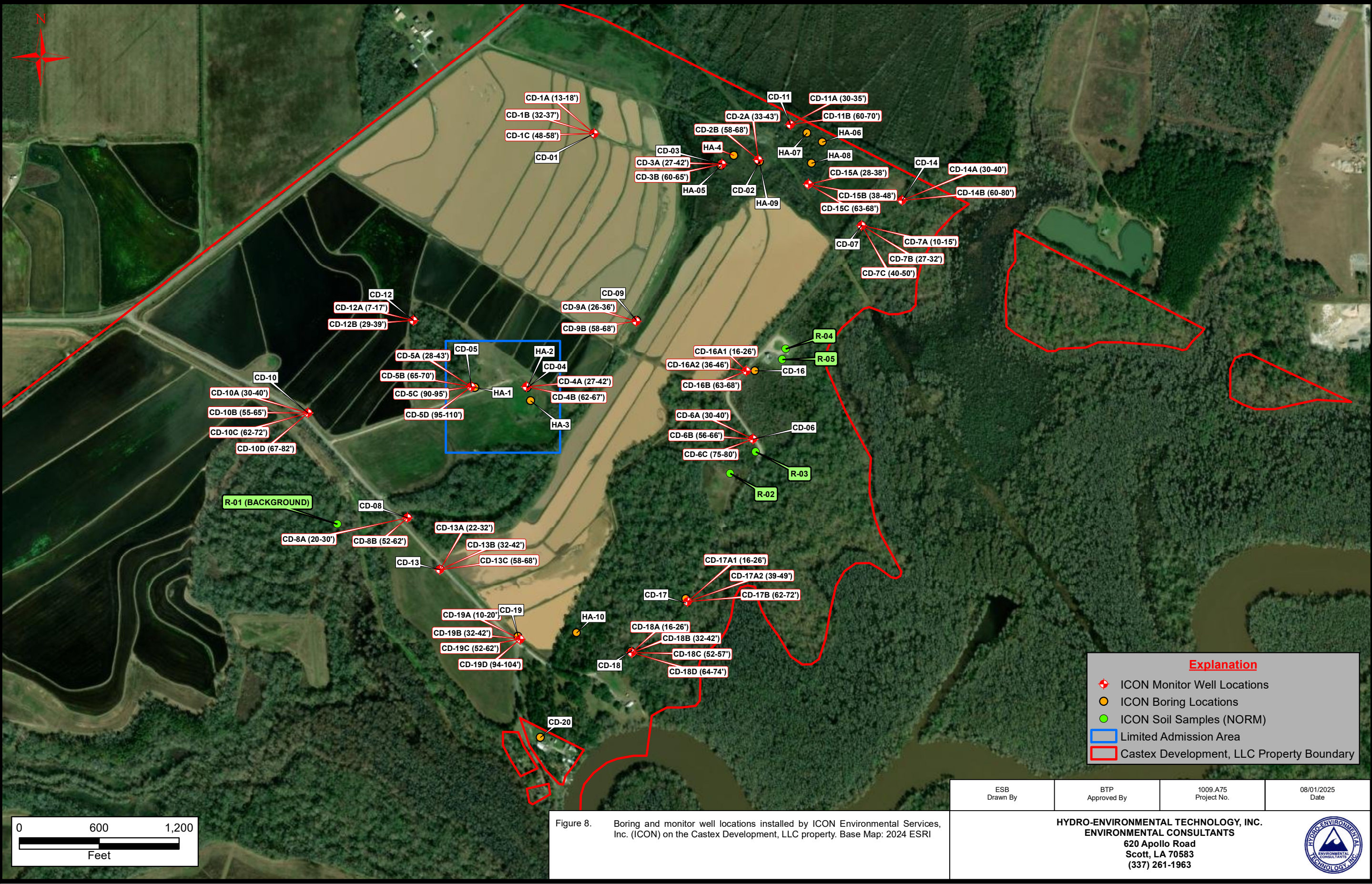
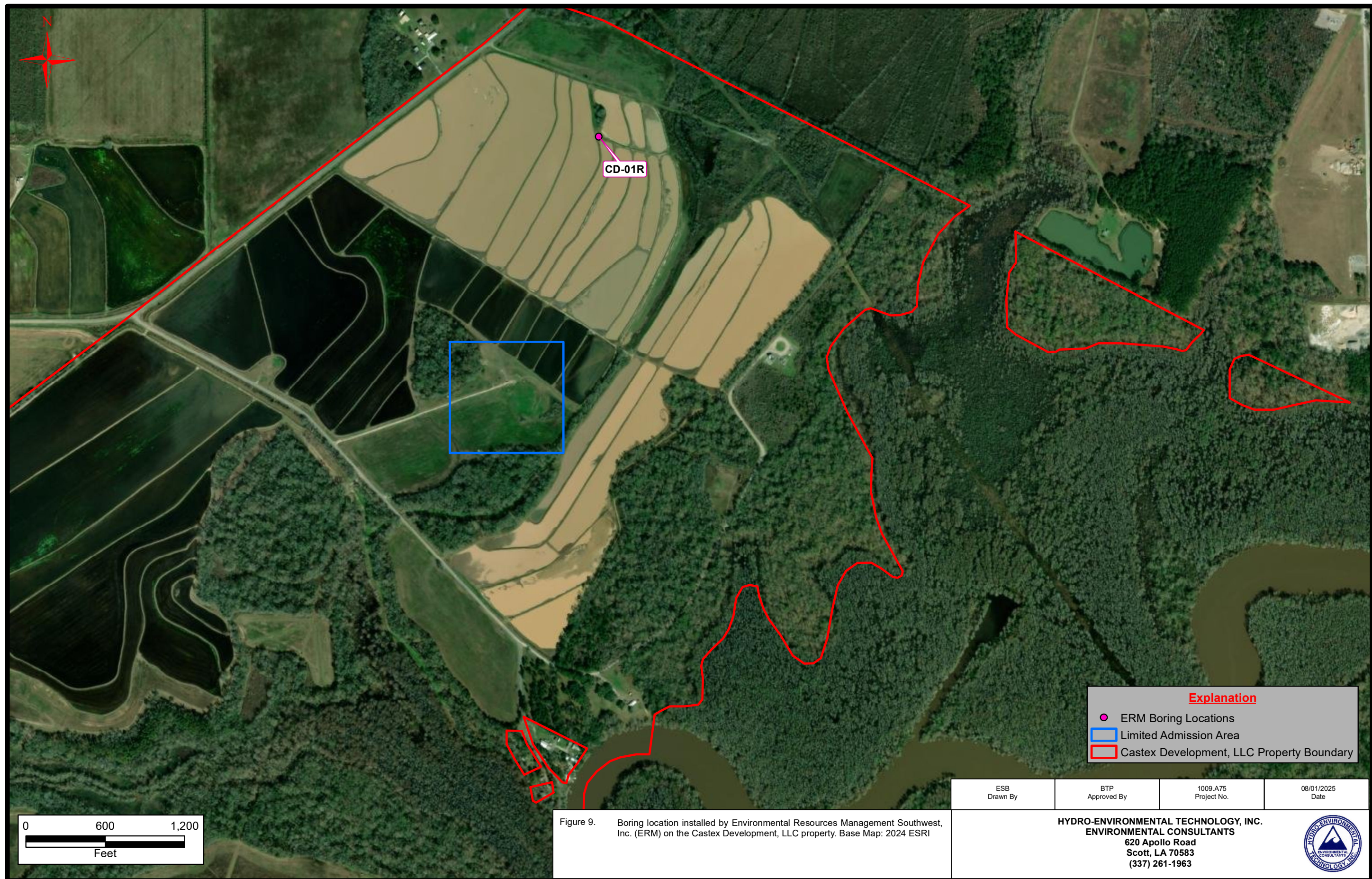
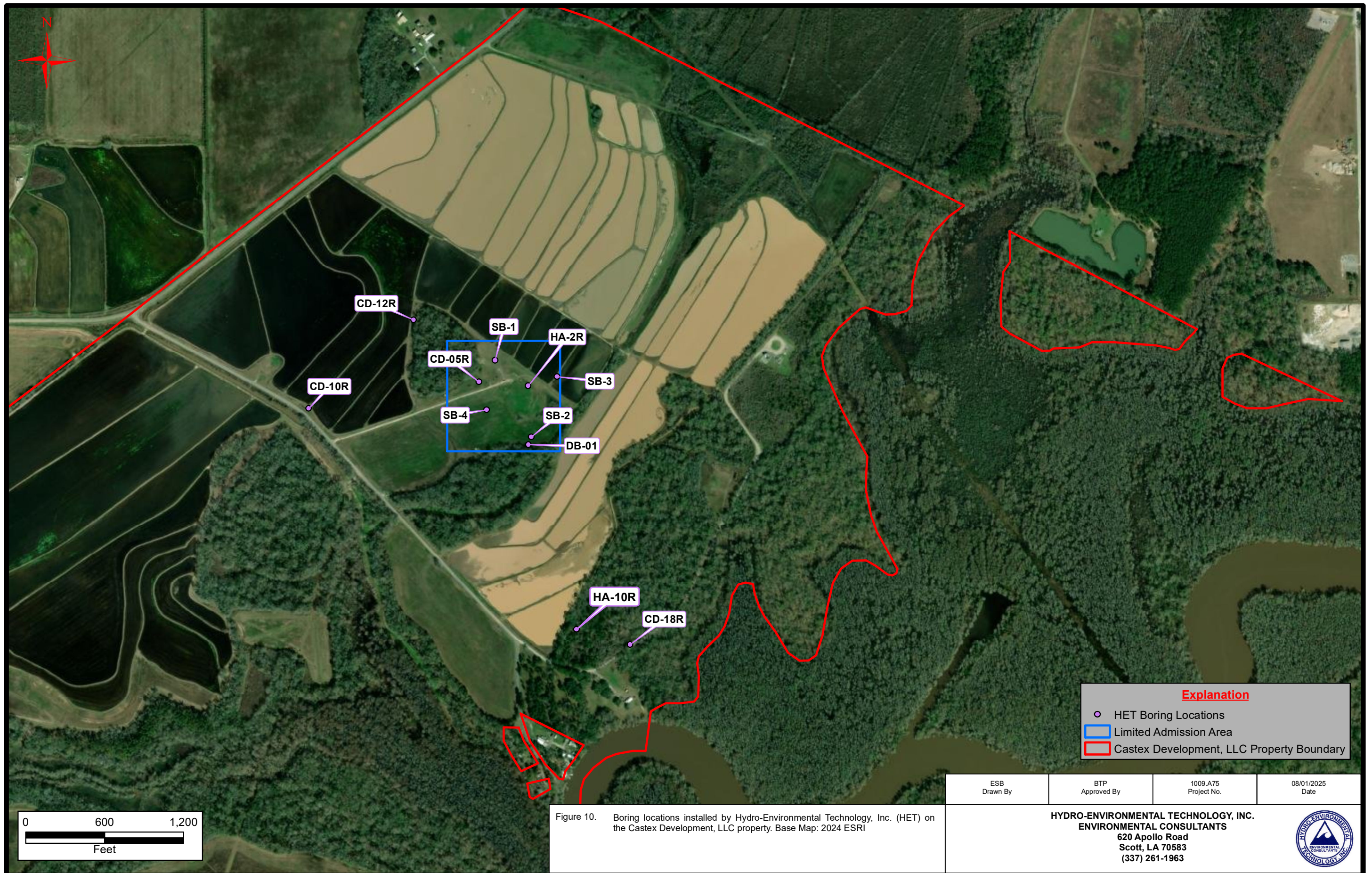
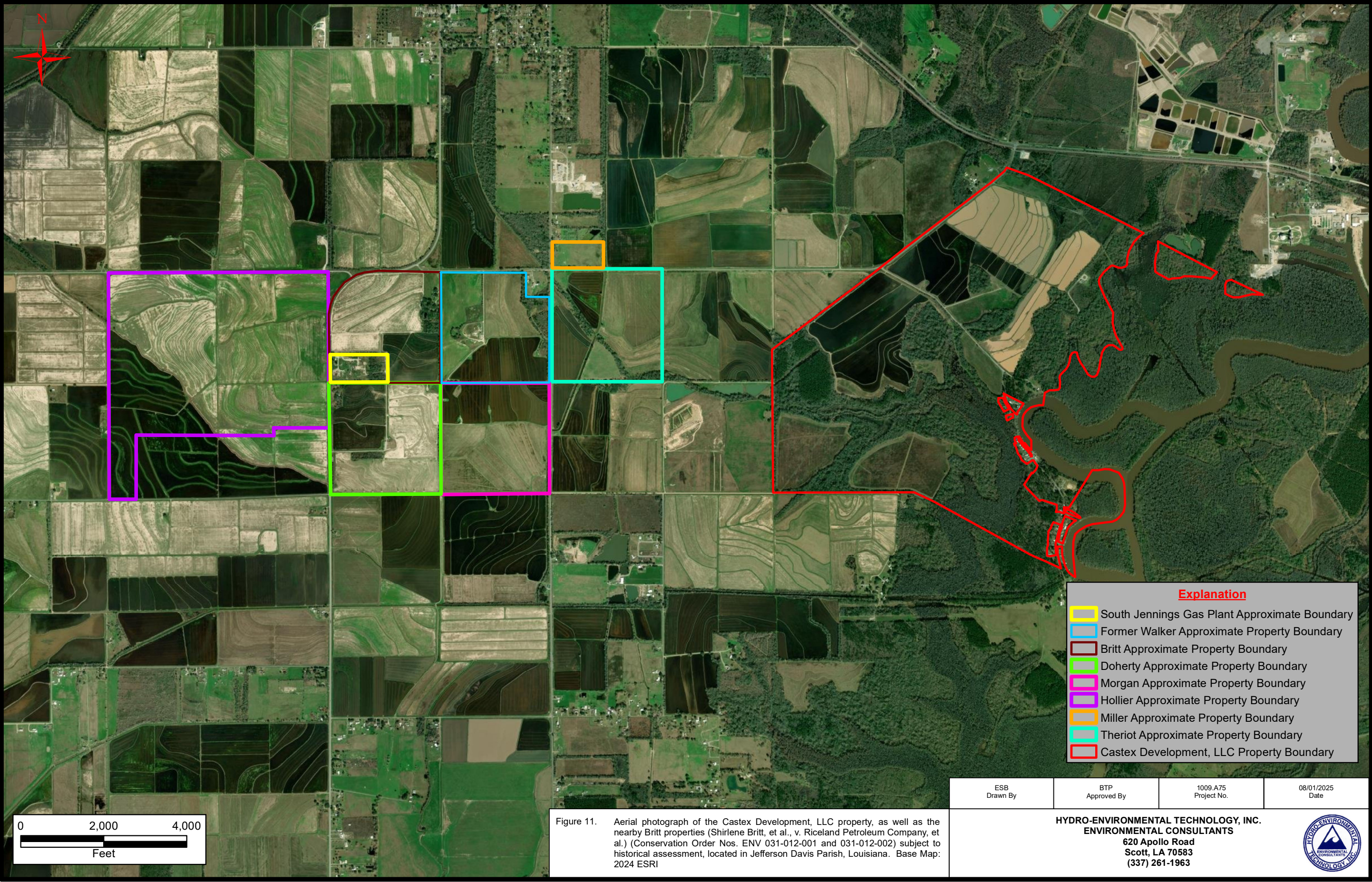


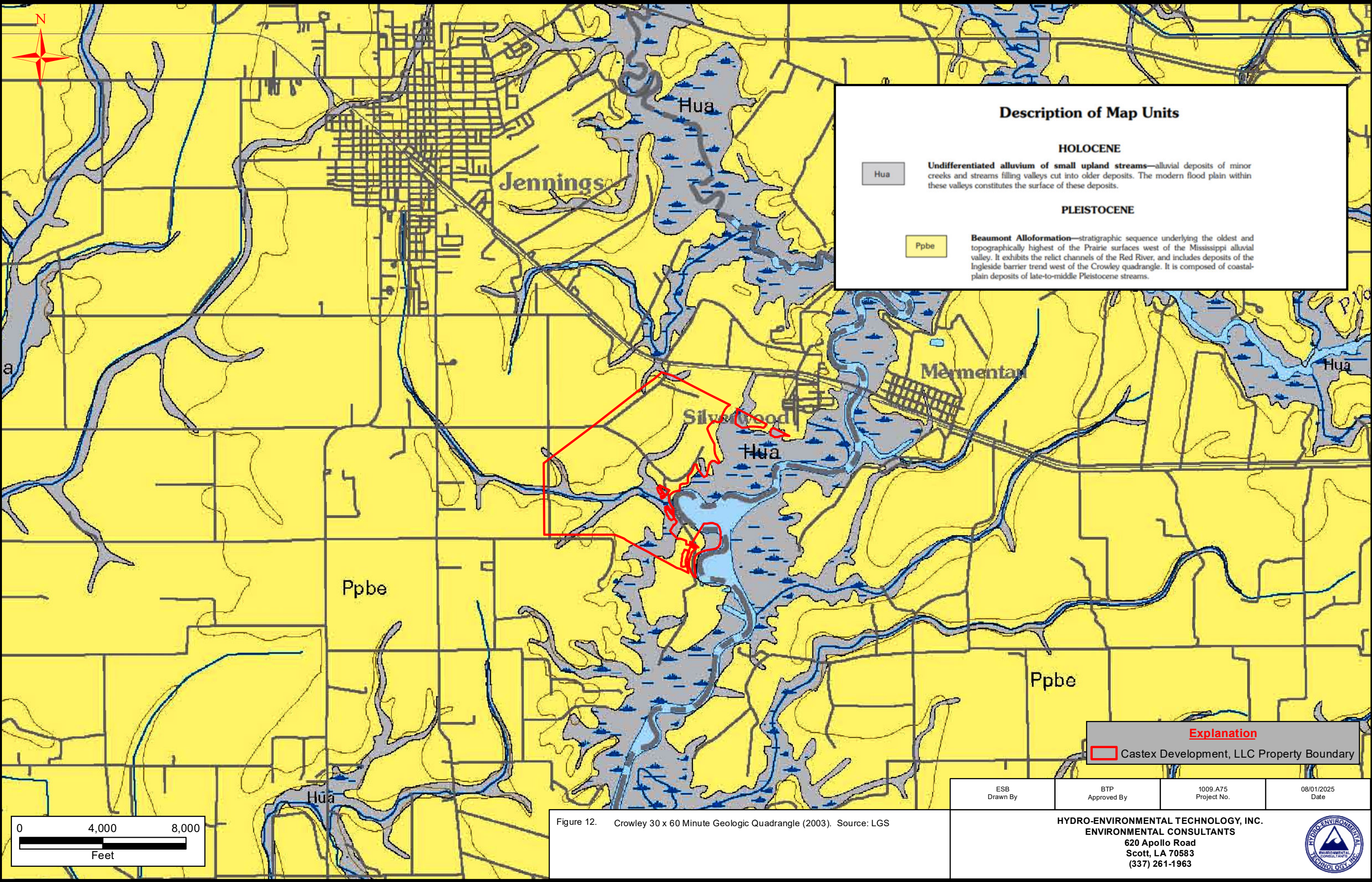
Figure 8. Boring and monitor well locations installed by ICON Environmental Services, Inc. (ICON) on the Castex Development, LLC property. Base Map: 2024 ESRI

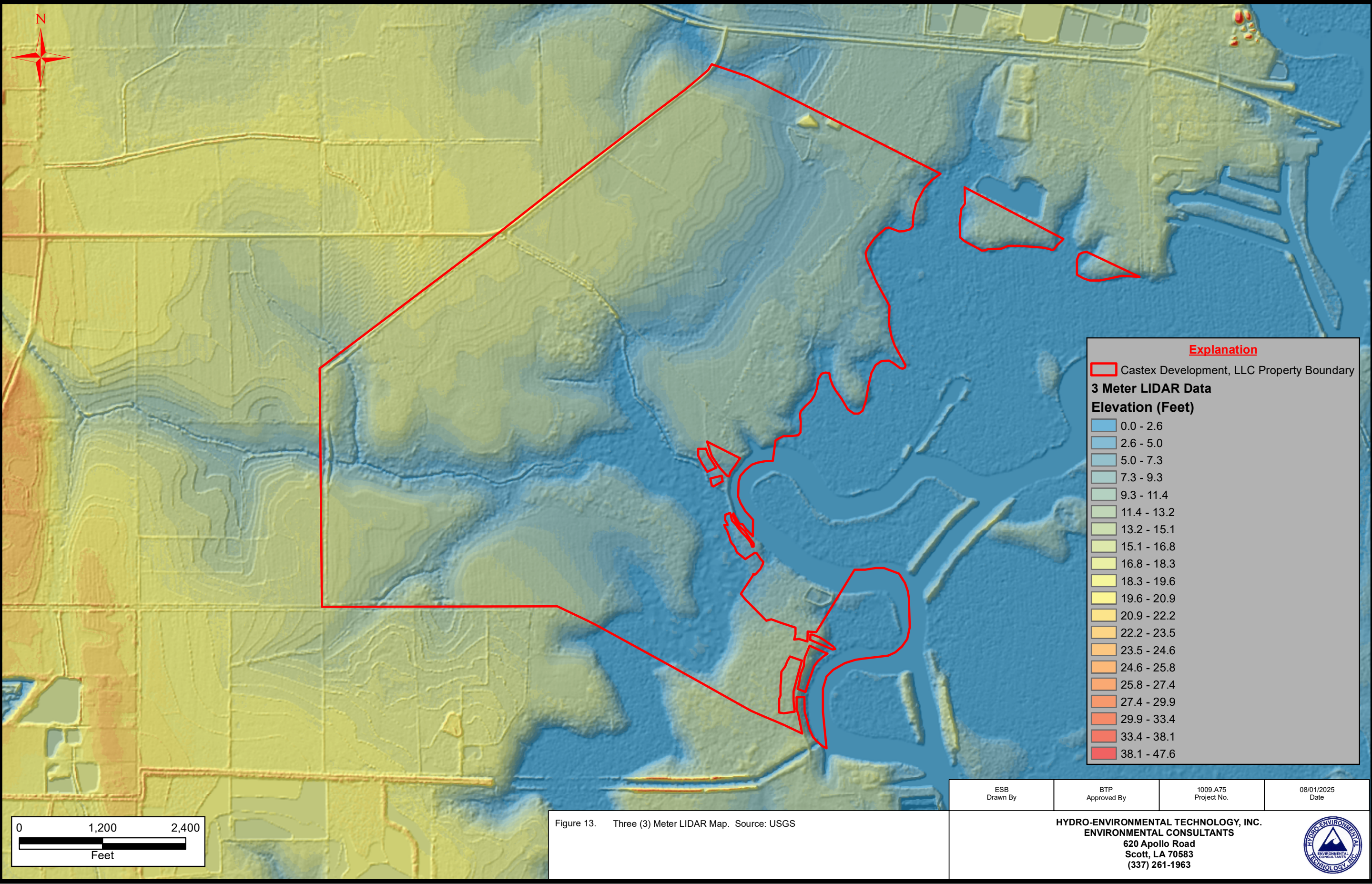
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HYDRO-ENVIRONMENTAL TECHNOLOGY, INC. ENVIRONMENTAL CONSULTANTS 620 Apollo Road Scott, LA 70583 (337) 261-1963			
			

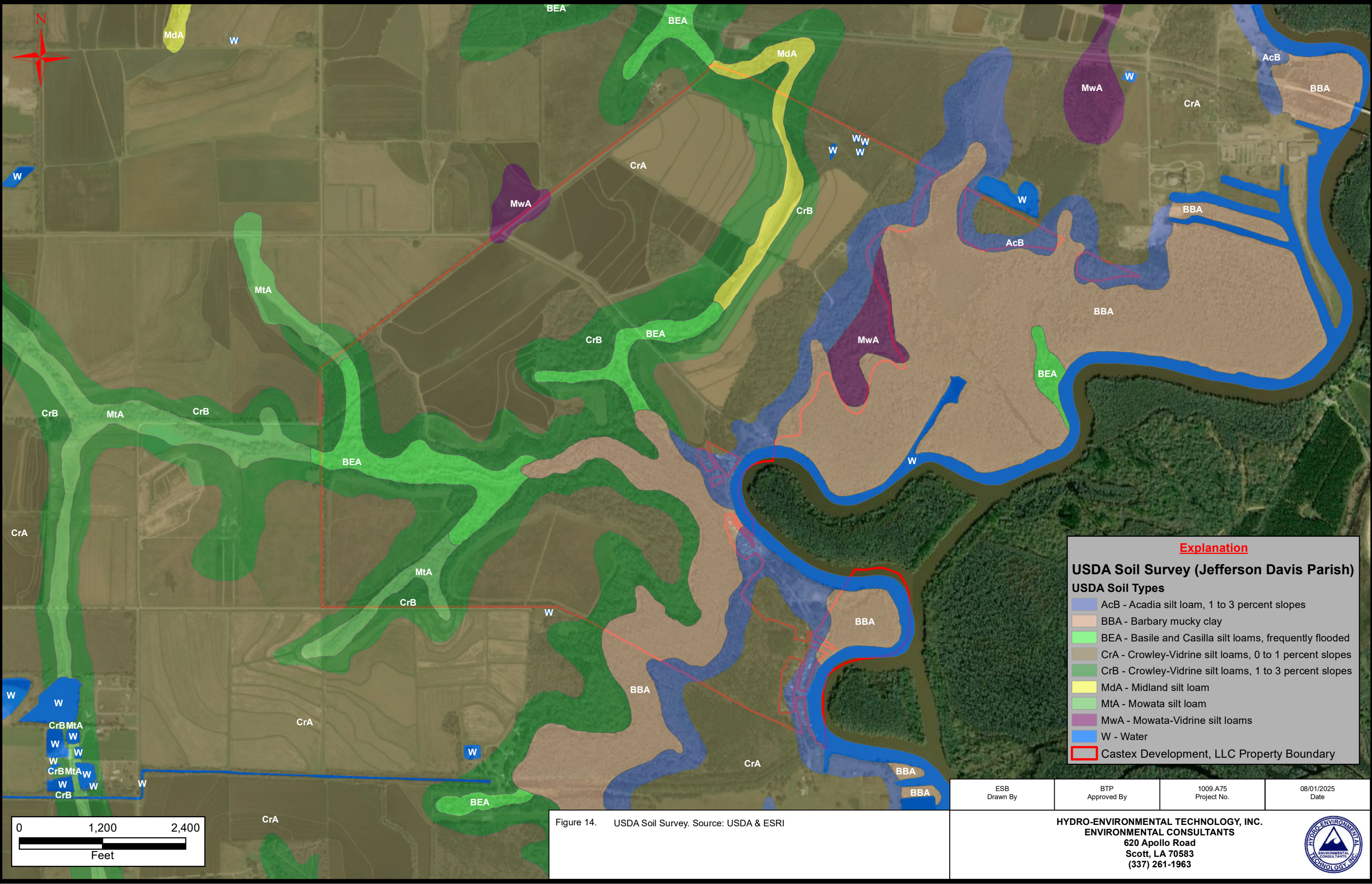


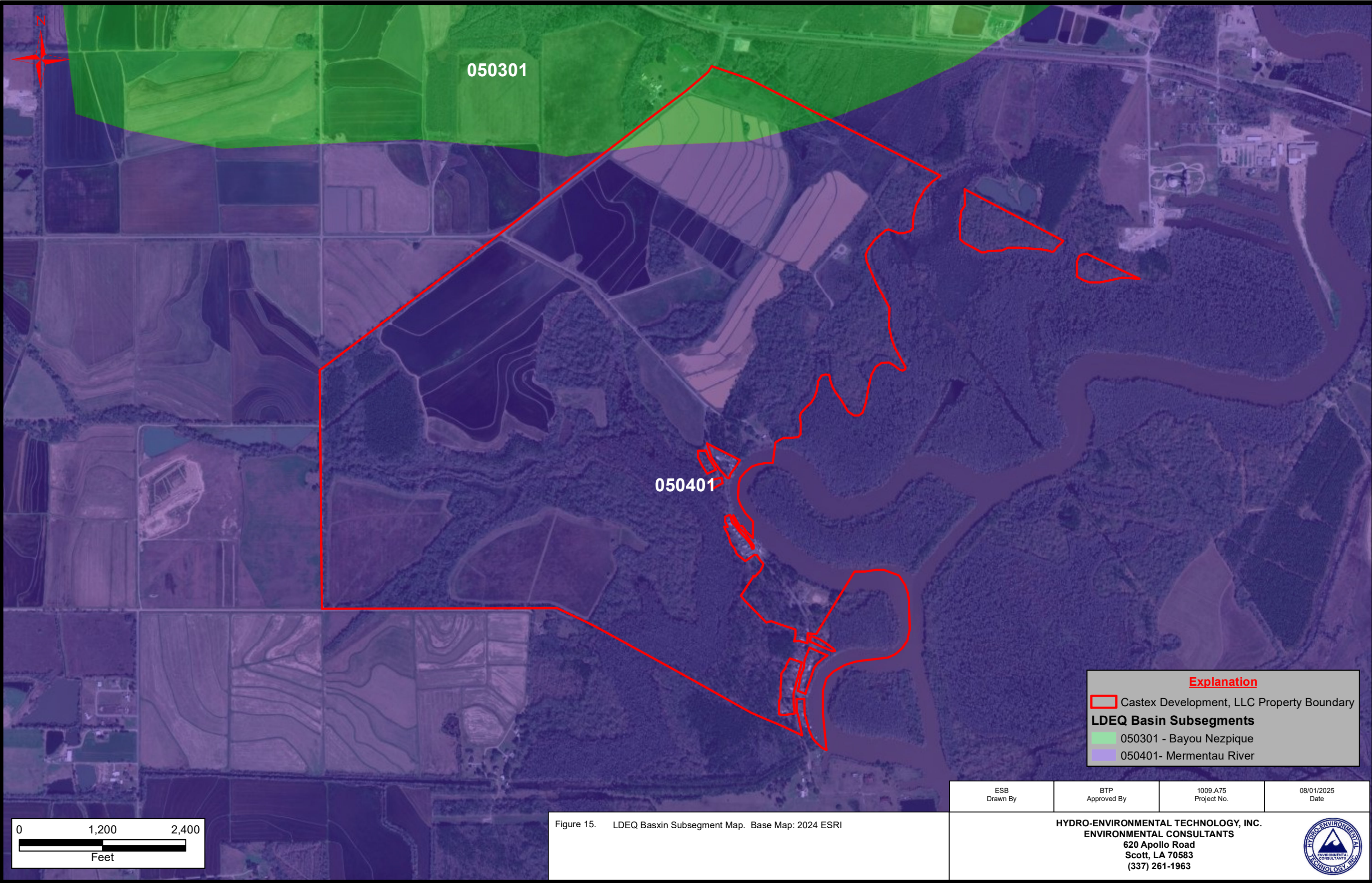


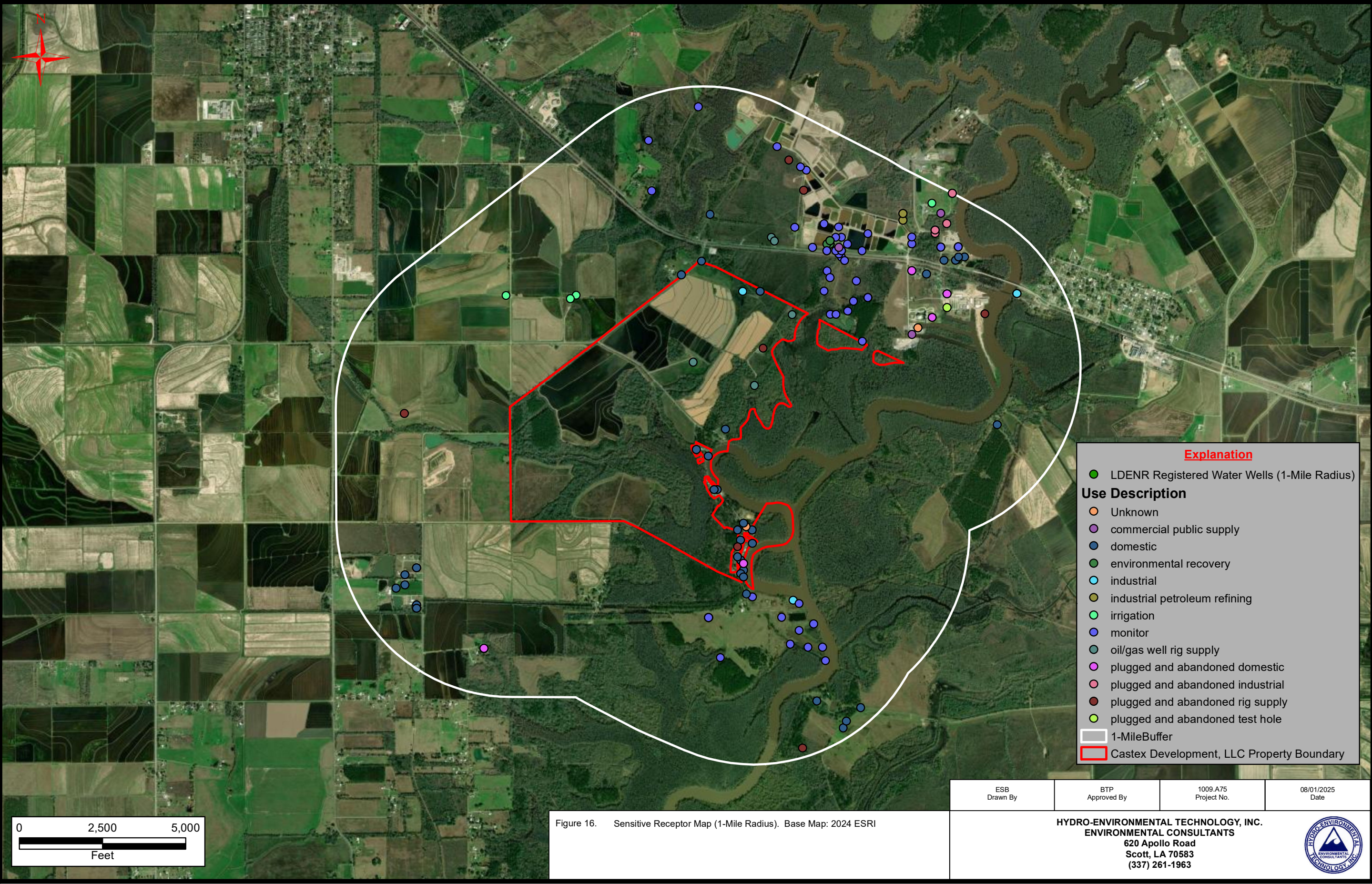


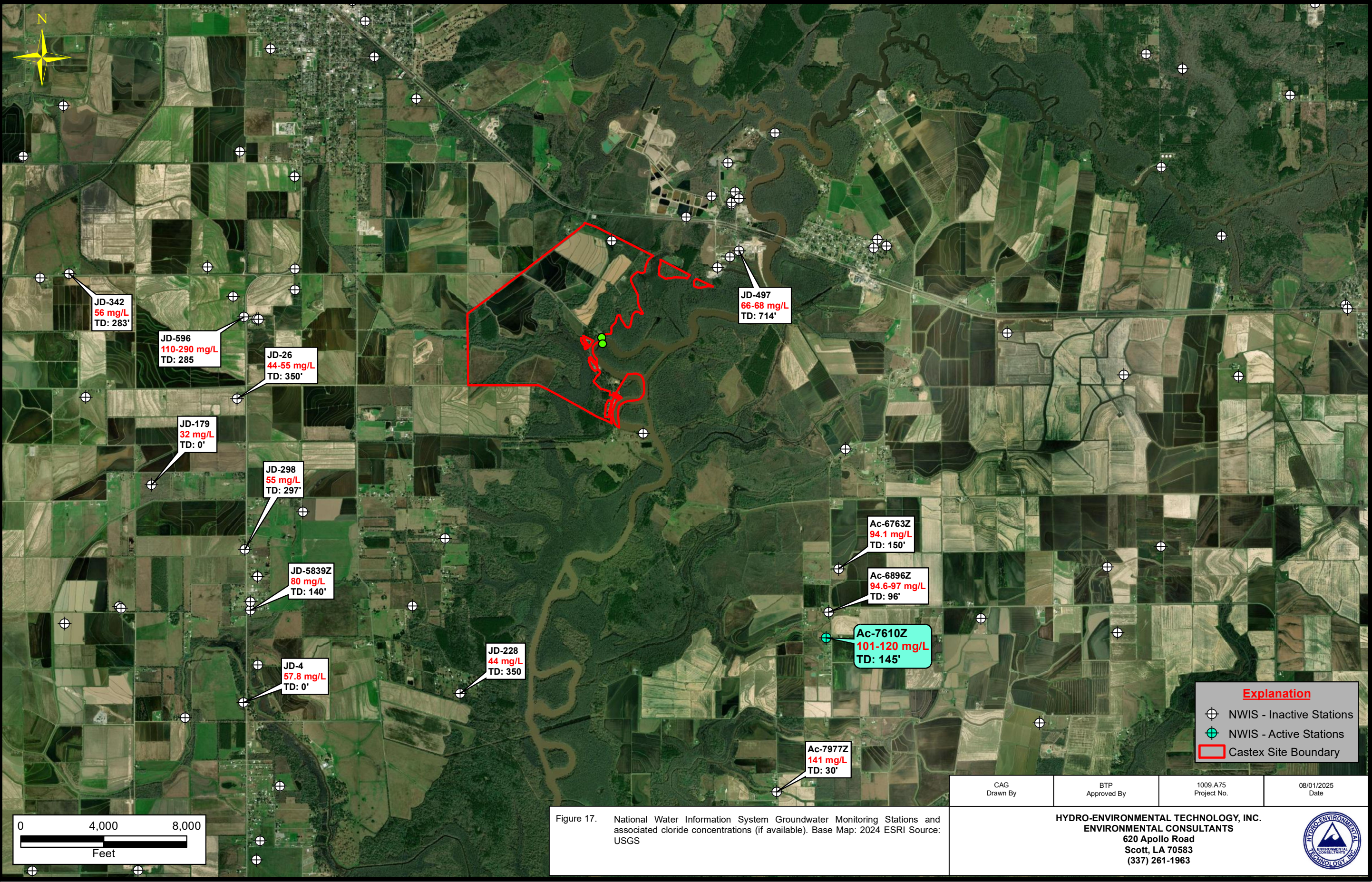


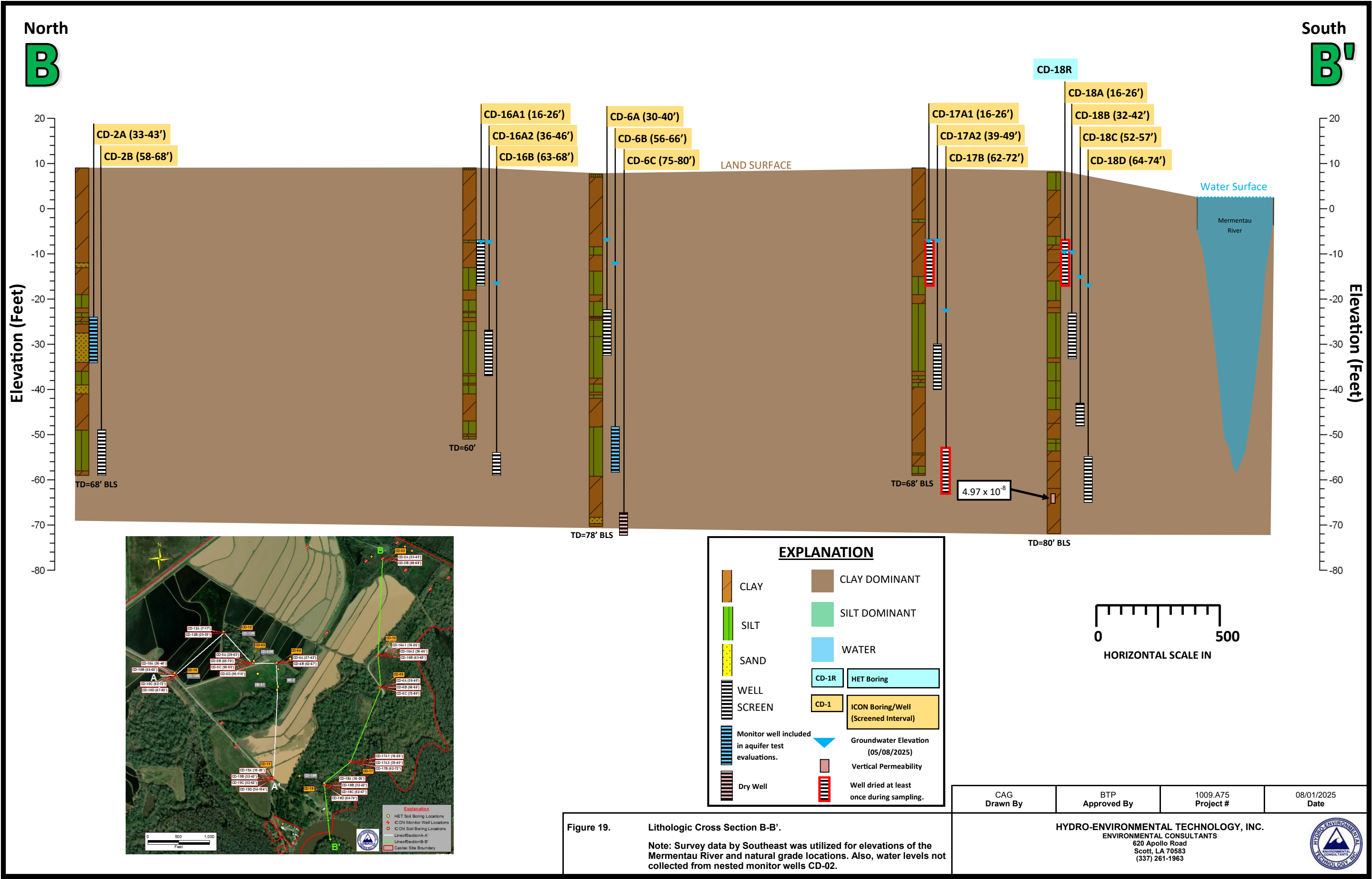


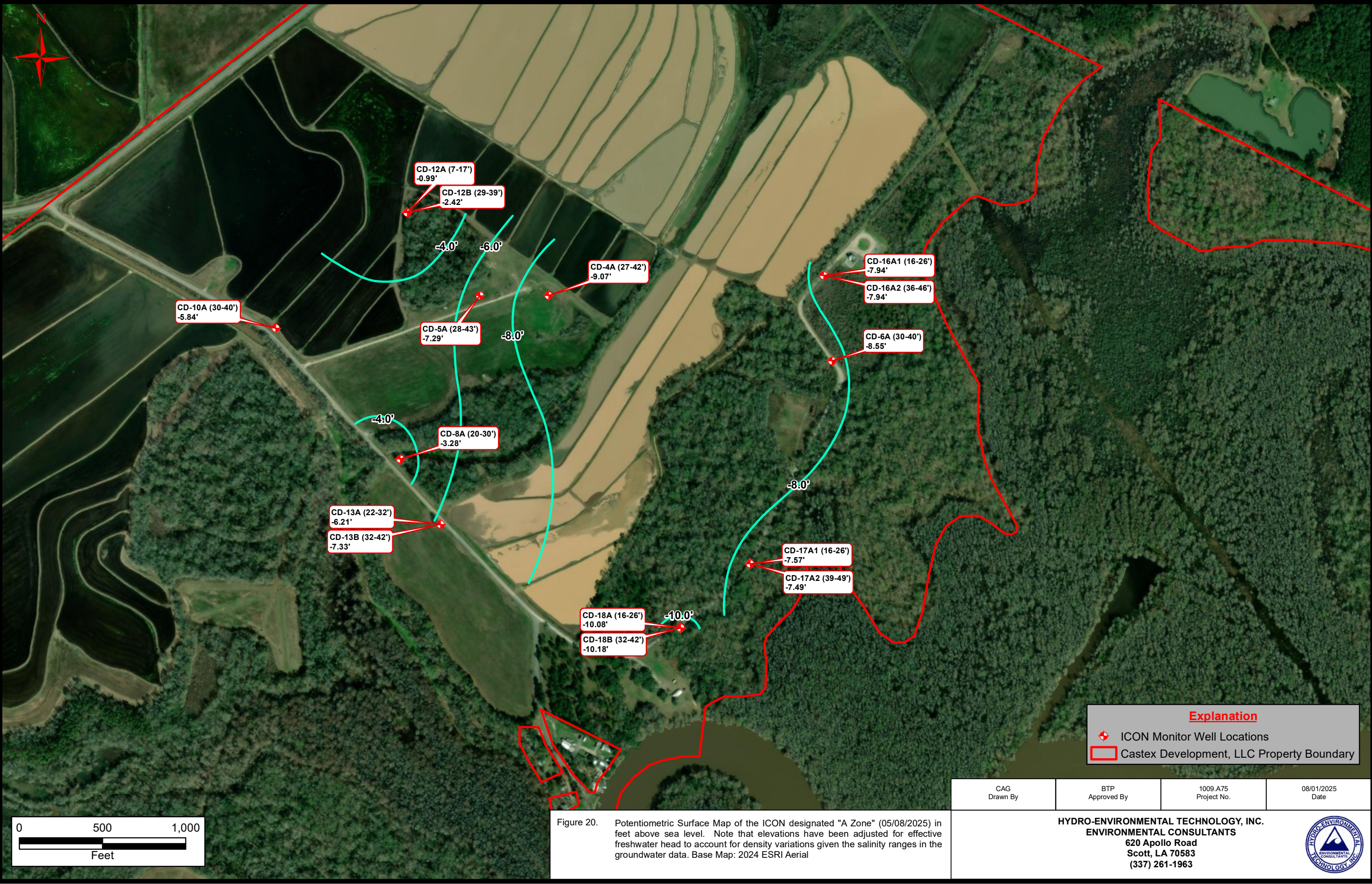


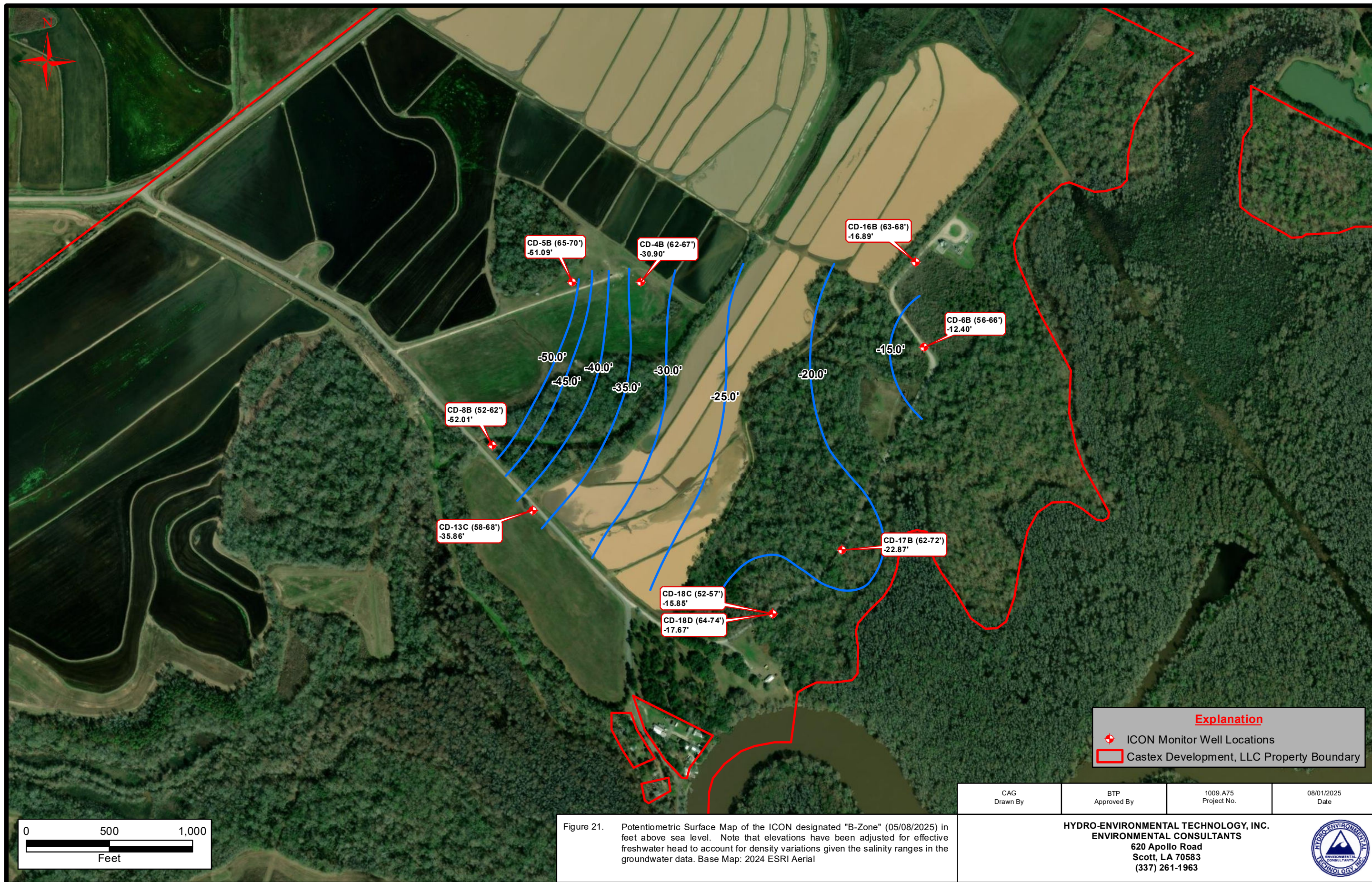


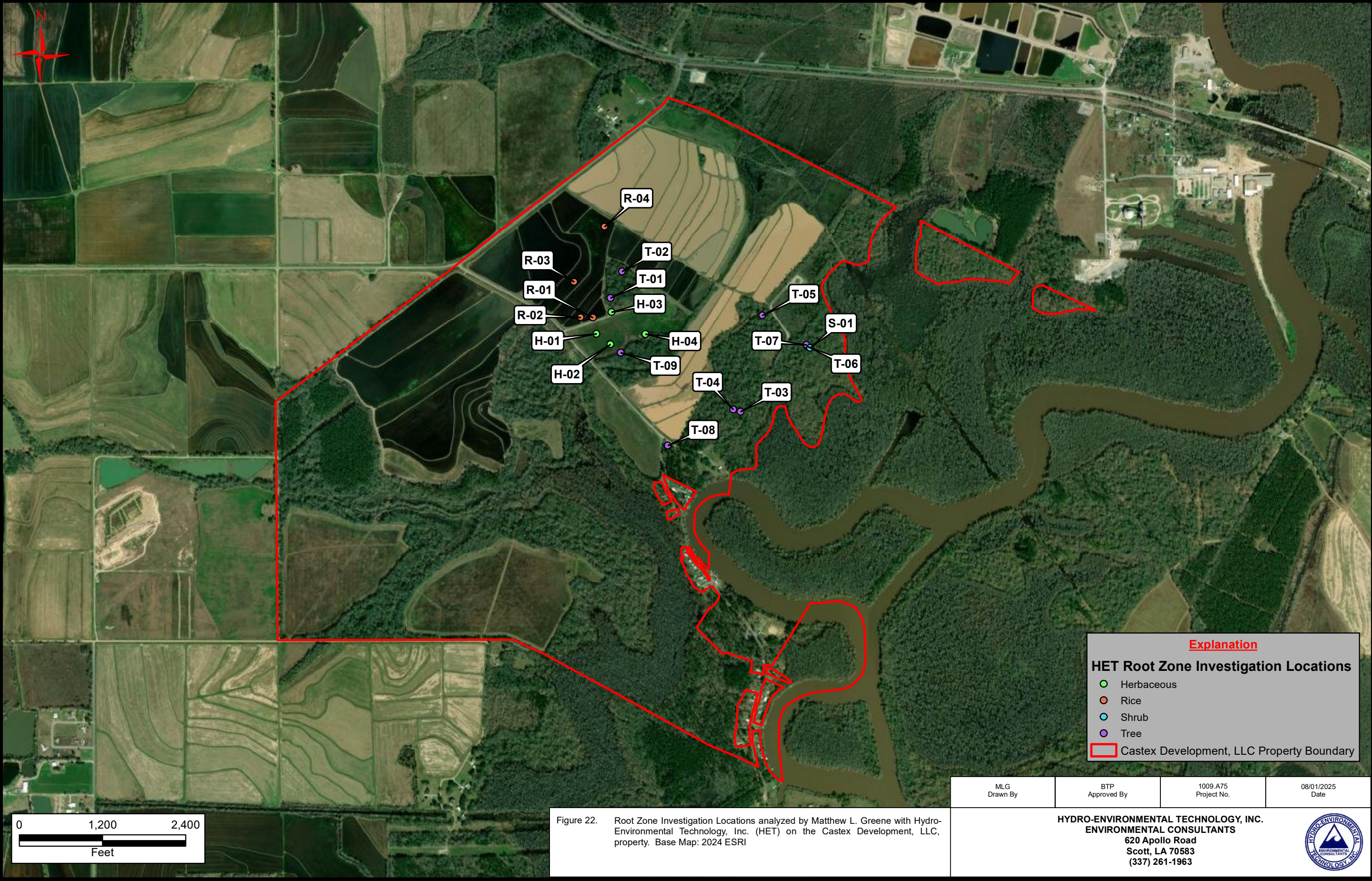












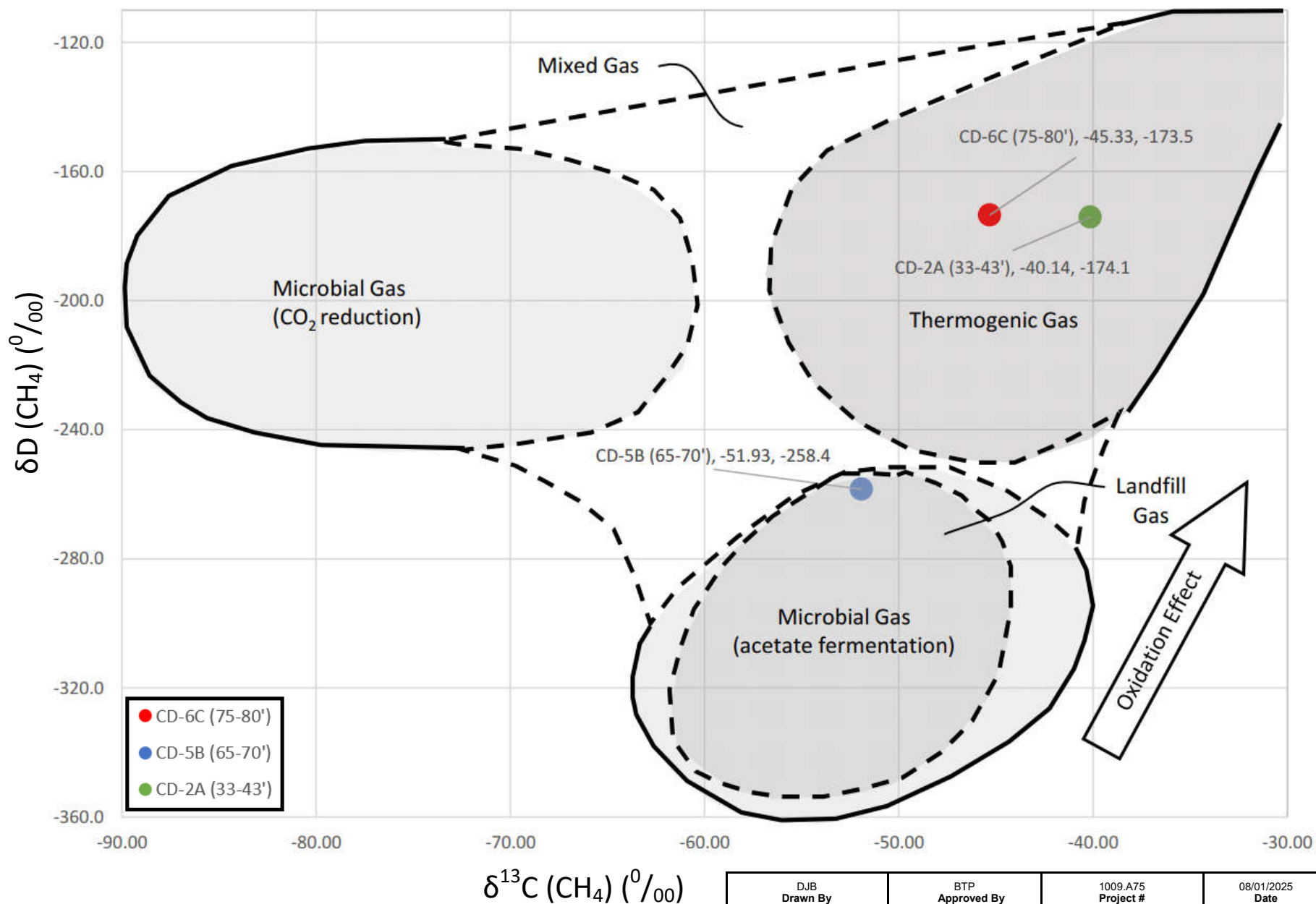
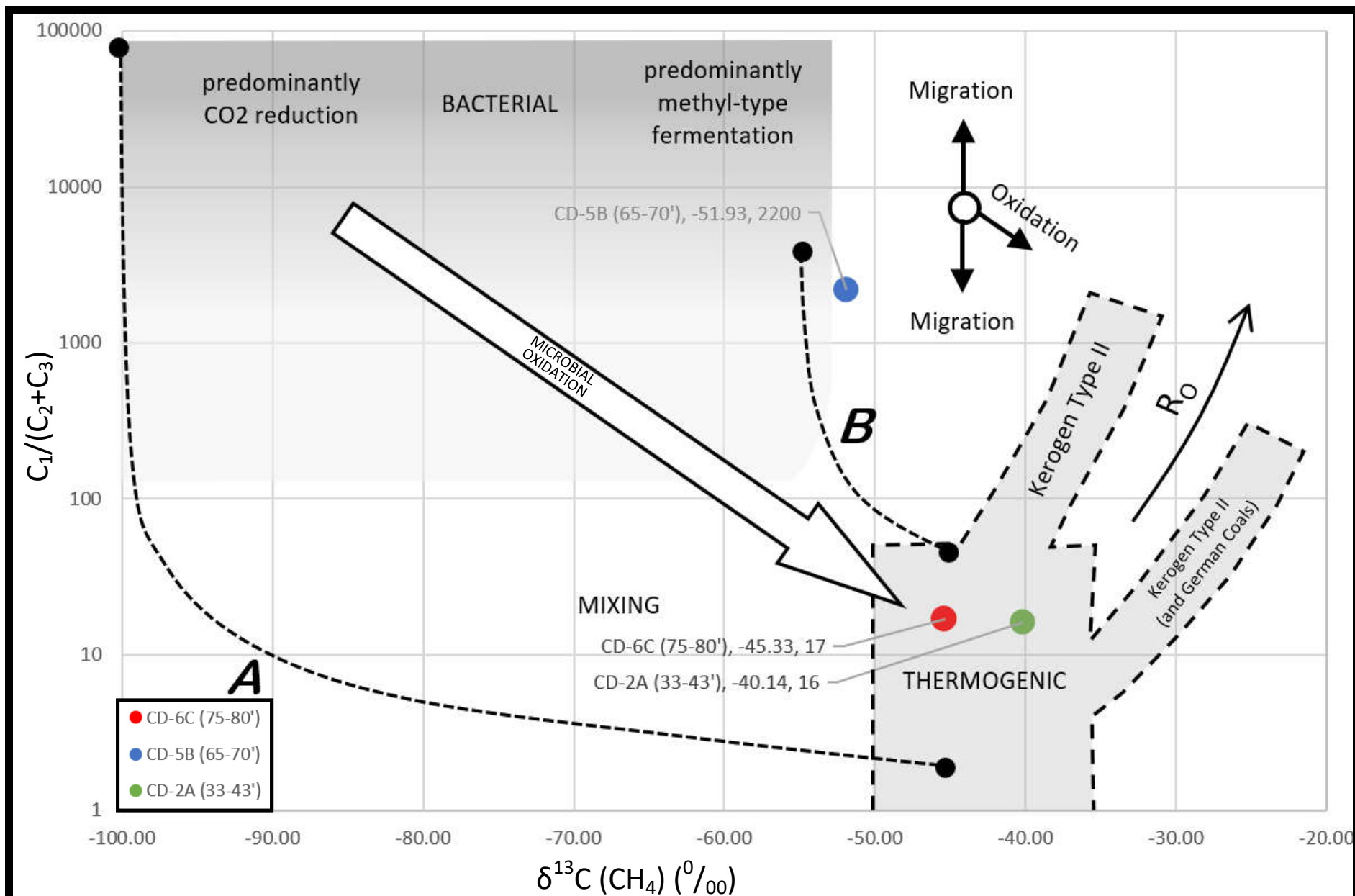


Figure 24. Crossplot of $\delta^{13}\text{C}$ and δD of methane showing areas of different sources (from Whiticar, et al, 1986, modified by Hackley, et al, 1996). Samples taken from the Castex Development, LLC property located in Jefferson Davis Parish, Louisiana.

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(Lines A and B are calculated mixing lines for possible gas bacterial and thermogenic mixtures)

Figure 25. Natural gas interpretive "Bernard Diagram" combining the molecular and isotope compositional information (from Bernard, et al, 1977, modified by Whiticar, 1999). Samples taken from the Castex Development, LLC property located in Jefferson Davis Parish, Louisiana.

DJB
Drawn By

BTP
Approved By

1009.A75
Project #

08/01/2025
Date

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