Westlake US 2 Received 10/2/2023

SNT Satellite Update InSAR Subsidence September 27, 2023

Lonquist comment:

The PAZ satellite from the TSX/PAZ constellation (4 & 7-day revisit) passed by Sulphur on Wednesday September 27. We received the dataset Friday and noted that the newest datapoint is continuing in the direction of the "recent" trends across all AOI regions. The recent trends are currently being plotted on the data span of 3/24/2023 to present. The "historical" data trends continue to be calculated from a data span of 1/24/2023 - 8/3/2023, before trend departure was observed.

As with the prior update, we have appended a review of the distant "Additional" locations of interest to this report, where we are still seeing similar or greater acceleration increases.



TSX/PAZ Satellite Update

Continuous InSAR Monitoring of Ground Displacement Near Western Caverns and Dome Flank

Sulphur Mines Salt Dome

Prepared for:

Westlake Chemical

Prepared by: Lonquist & Co., LLC 8591 United Plaza Blvd. Suite 280 Baton Rouge, LA 70809



Date Signed: October 2, 2023 Austin, Texas

Nathaniel L. Byars, P.E. Principal Engineer Louisiana License No. 40697

Dataset

Satellite Source

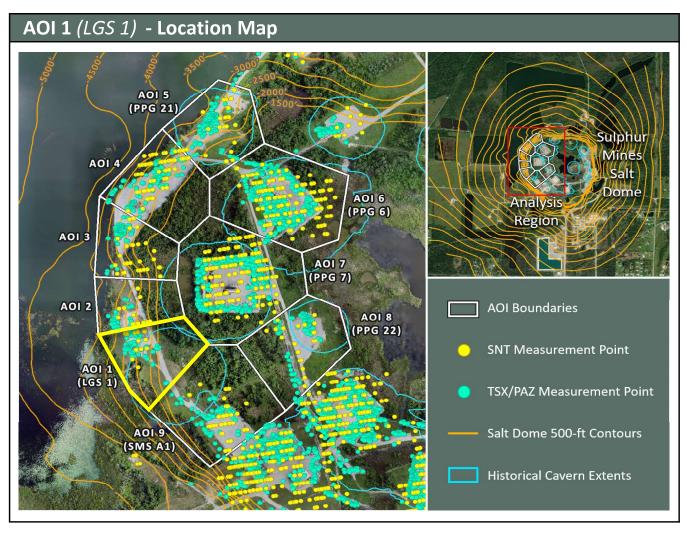
TerraSAR-X - PAZ Constellation

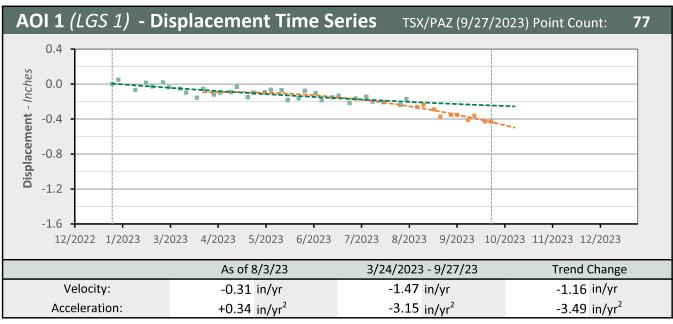
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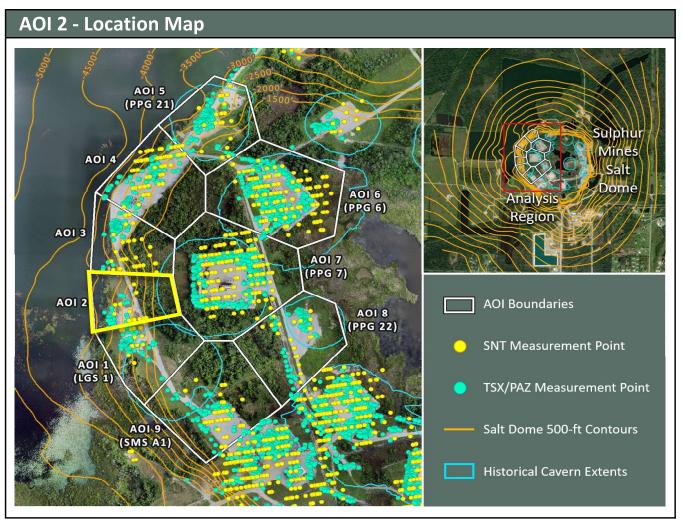
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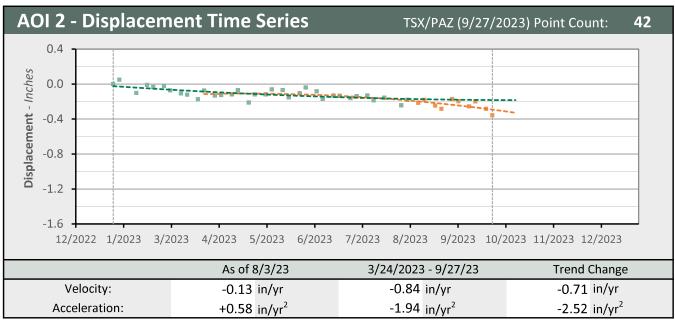
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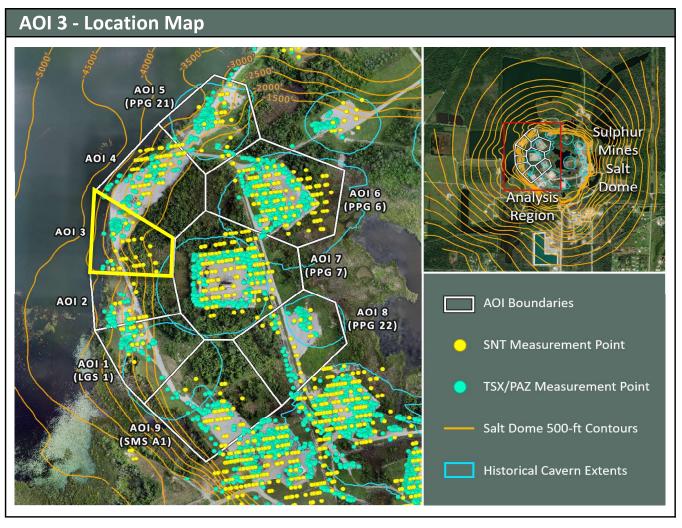
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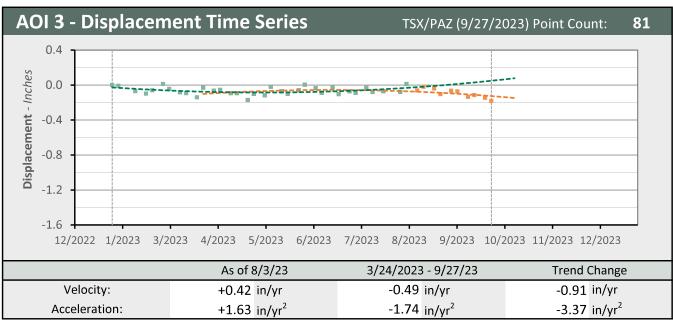


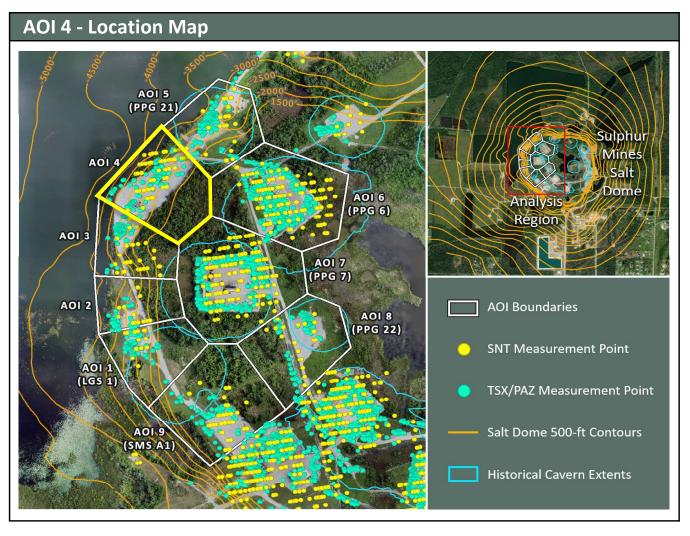


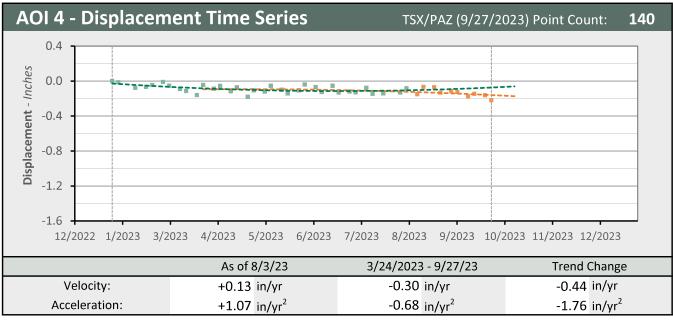


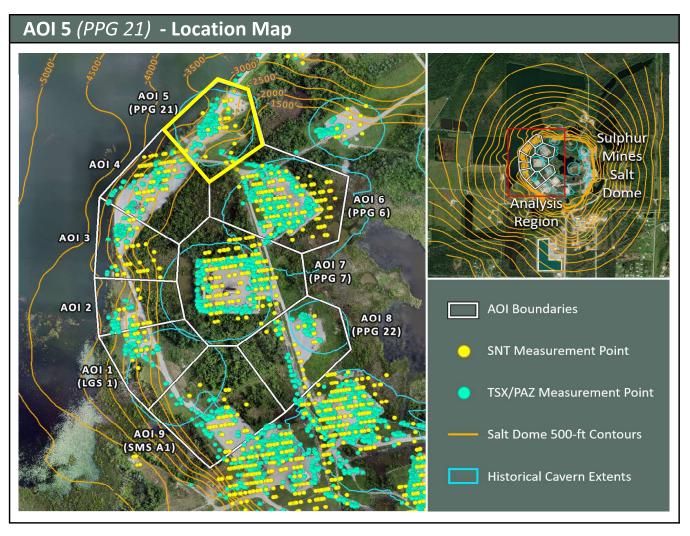


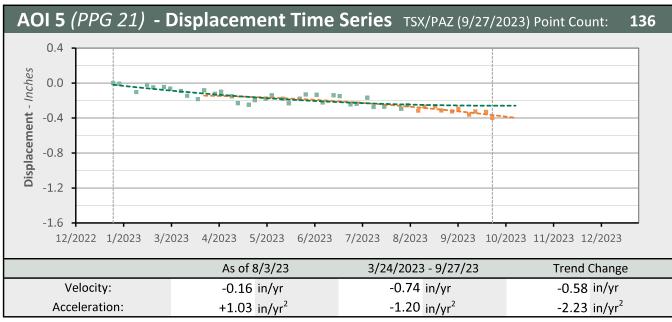




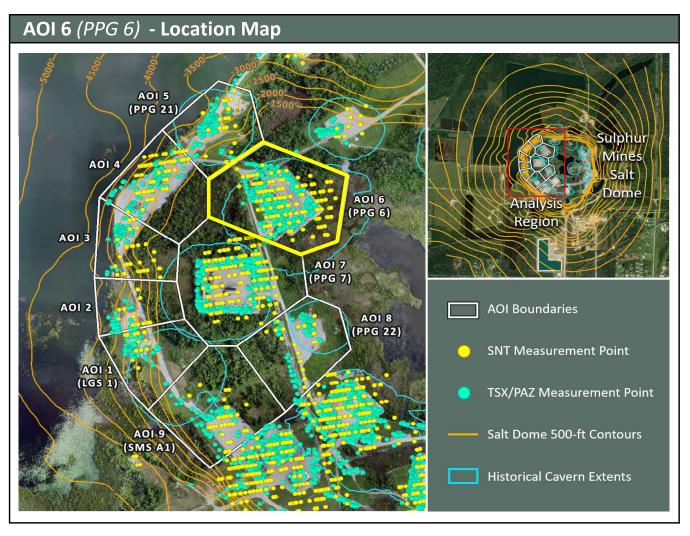


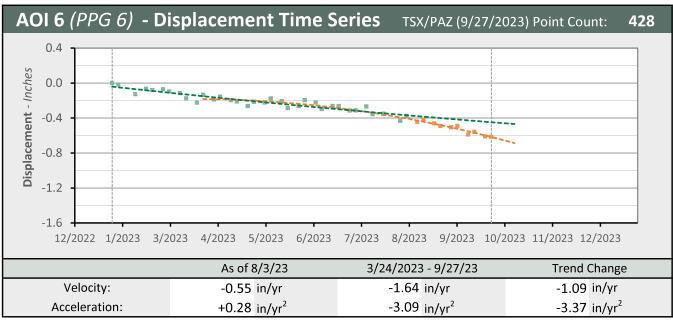


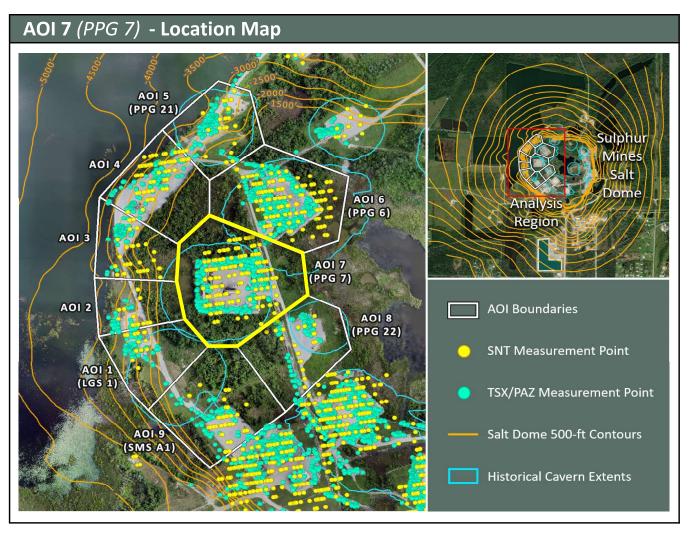


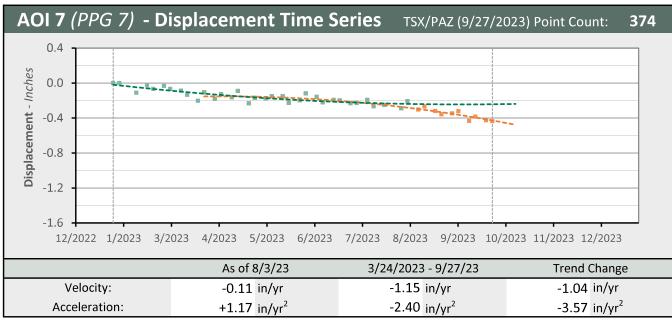


	Historical LOS Displacement Measurement	Historical Trend Line (Quadratic Regression)	Recent LOS Displacement Measurement	 Recent Trend Line (Quadratic Regression)
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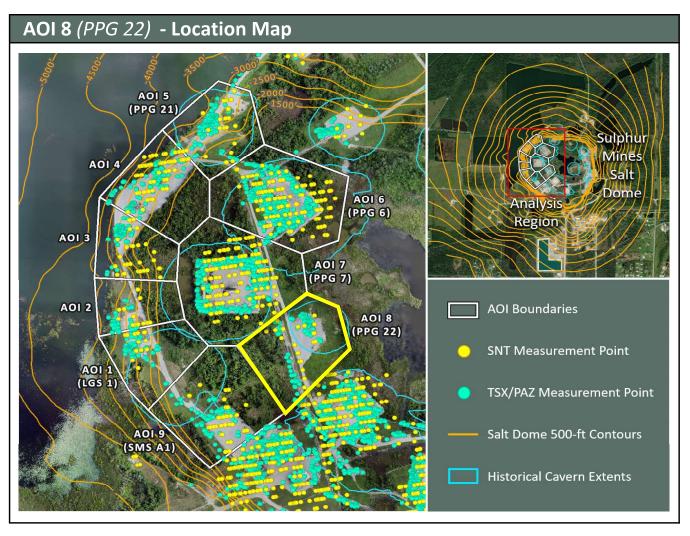


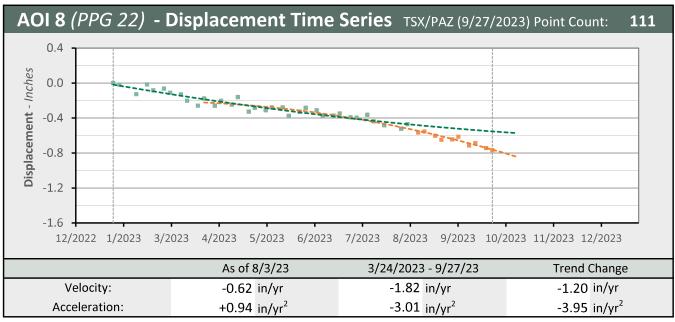


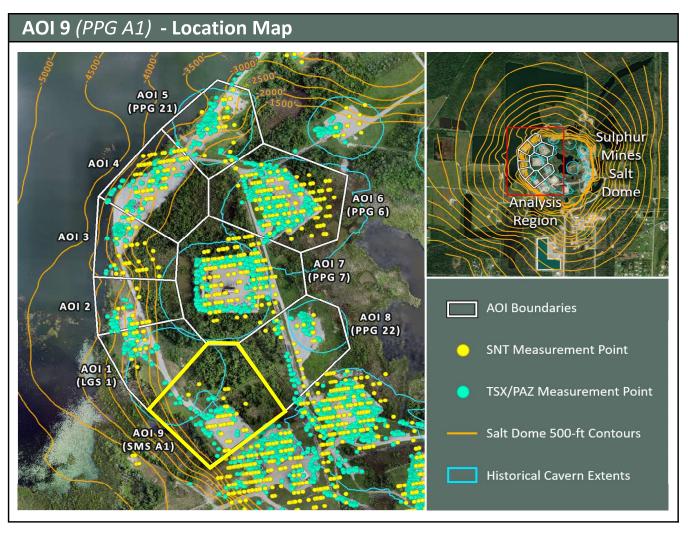


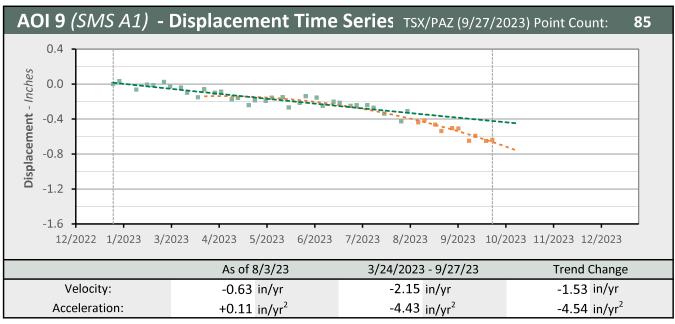


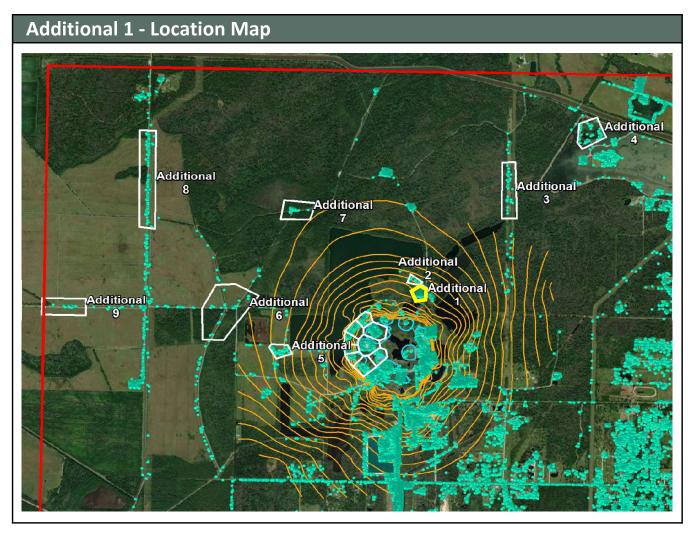
	Historical LOS Displacement Measurement	Historical Trend Line (Quadratic Regression)	Recent LOS Displacement Measurement	 Recent Trend Line (Quadratic Regression)
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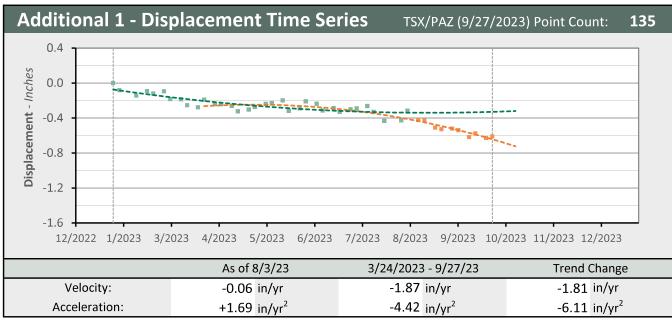




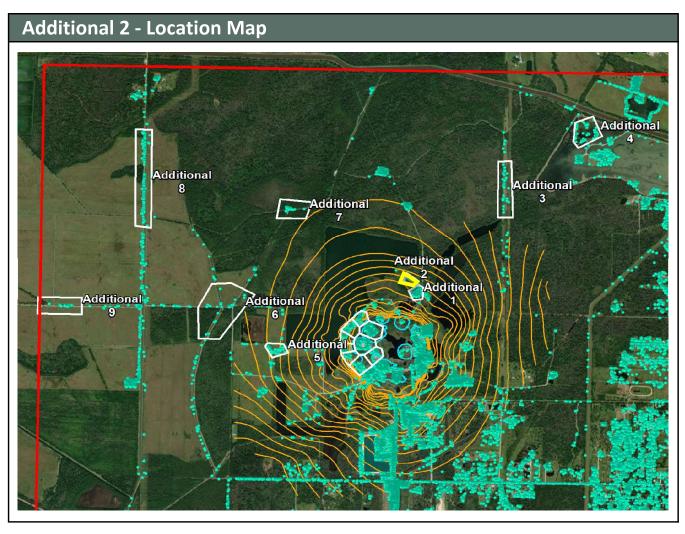


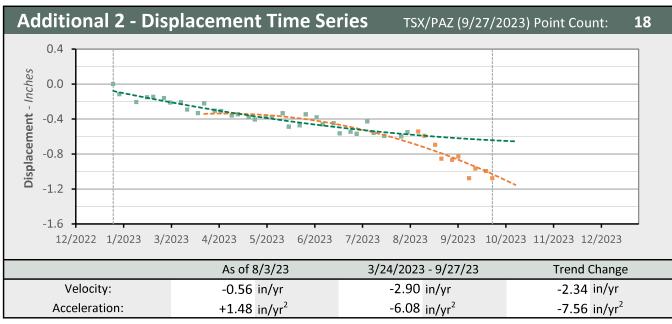


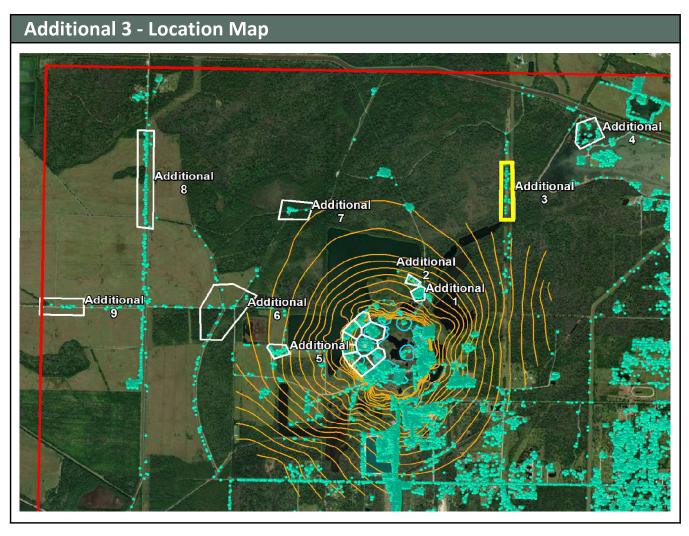


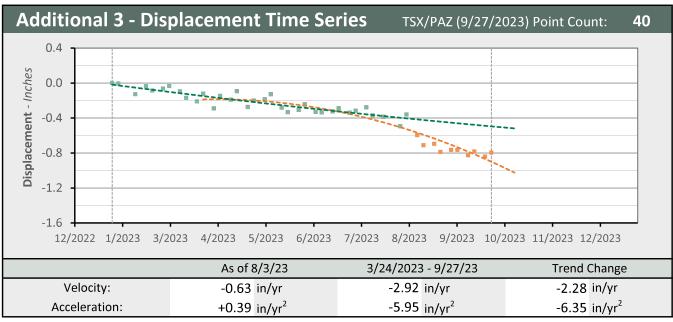


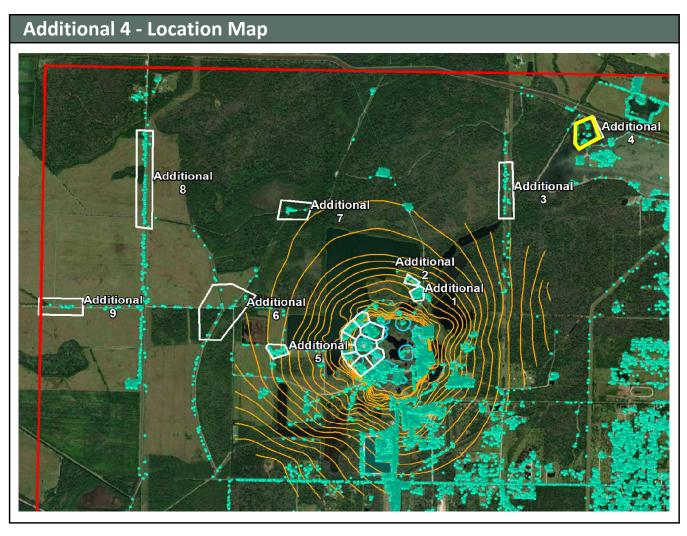
Historical LOS Displacement Measurement	Historical Trend Line (Quadratic Regression)	Recent LOS Displacement Measurement	 Recent Trend Line (Quadratic Regression)

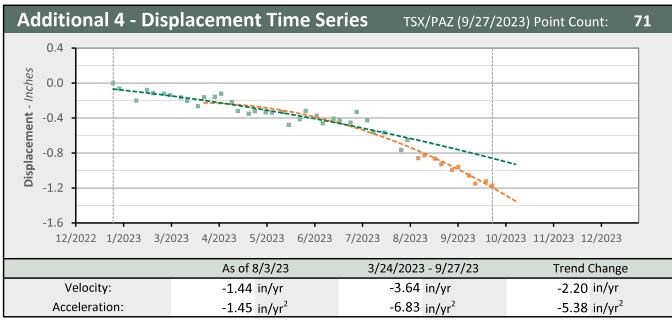


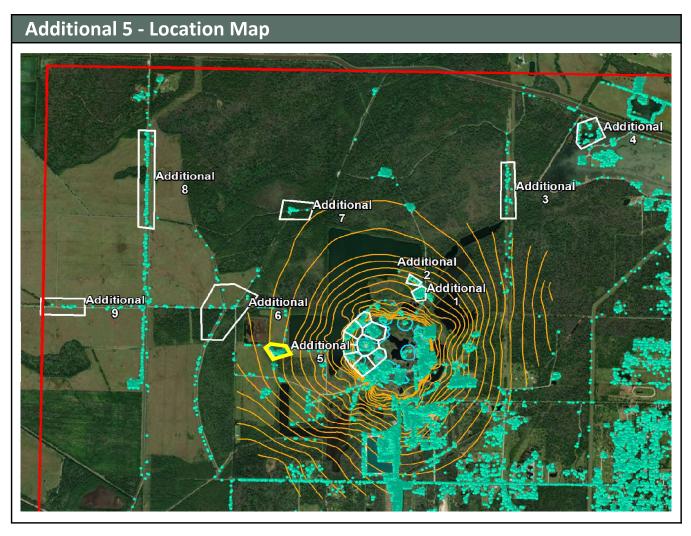


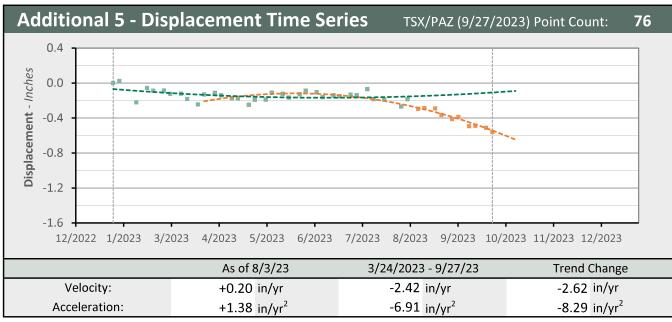


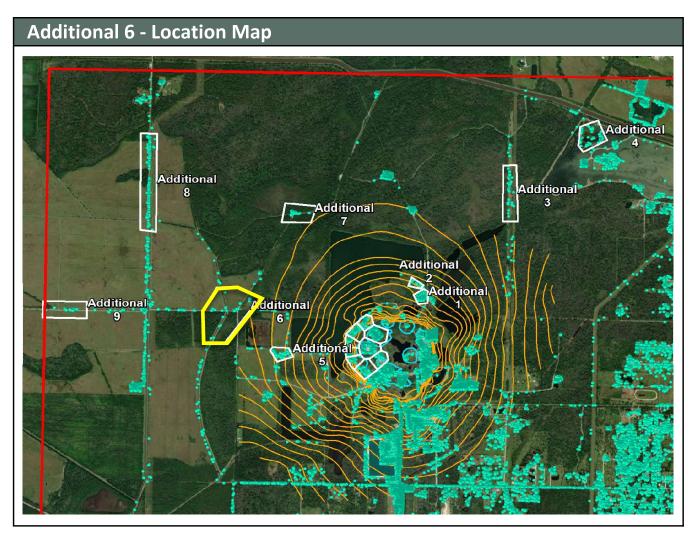


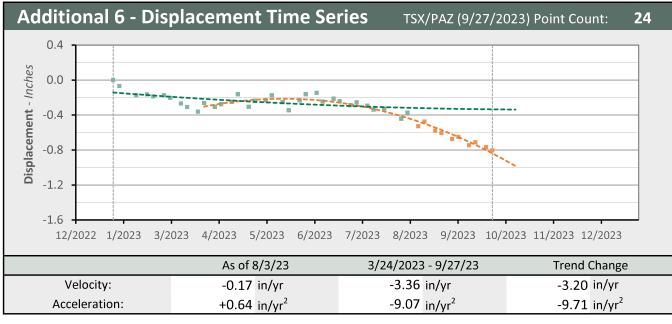


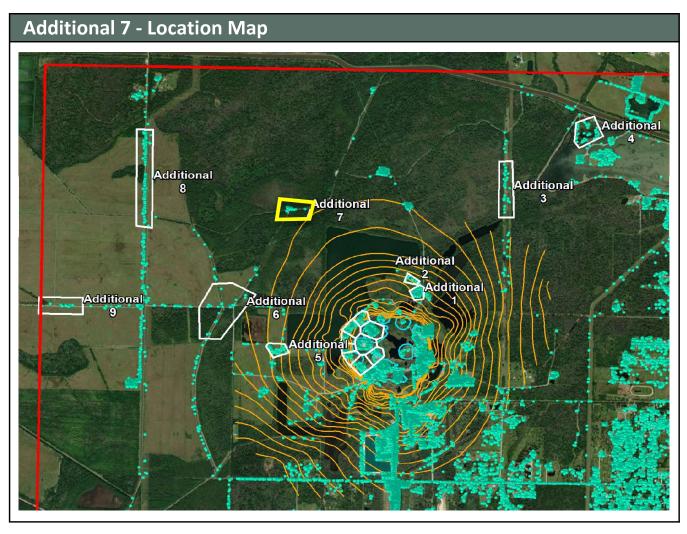


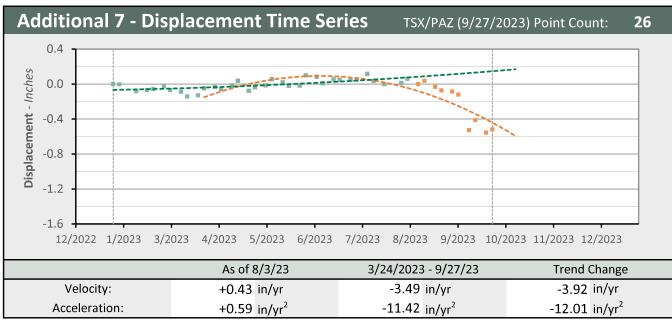


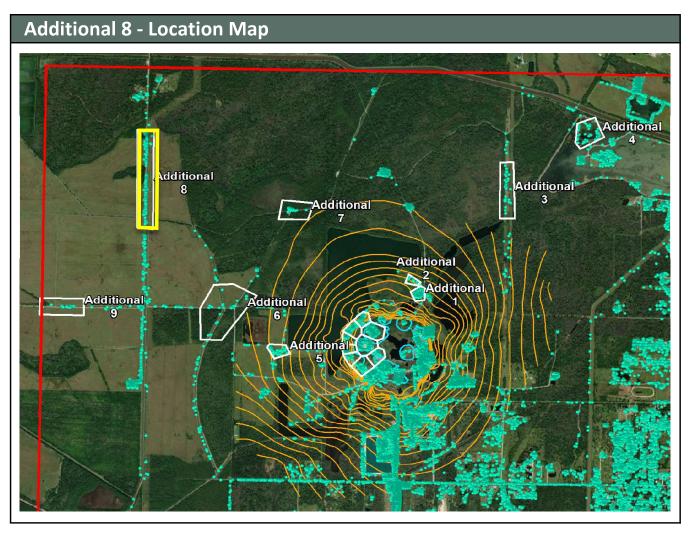


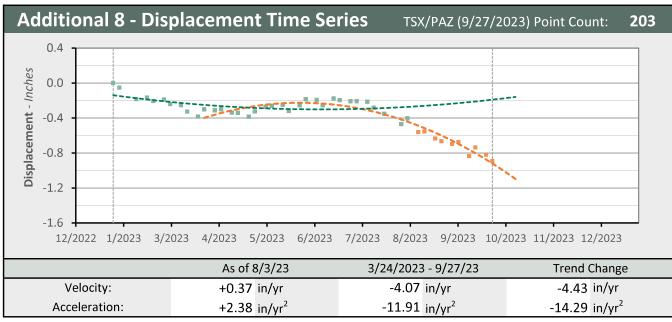












	Historical LOS Displacement Measurement	Historical Trend Line (Quadratic Regression)	Recent LOS Displacement Measurement	 Recent Trend Line (Quadratic Regression)
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