Westlake US 2 Received 11/16/2023

TSX/PAZ Satellite Update InSAR Subsidence November 15, 2023

Lonquist comment:

The PAZ satellite from the TSX/PAZ constellation (4 & 7-day revisit) passed by Sulphur on Friday November 10. We received the dataset Monday and verified that none of the datapoint areas around the dome and caverns near the western flank are showing deviation from their respective trends. The attached time series plots have been prepared for reference.



TSX/PAZ Satellite Update

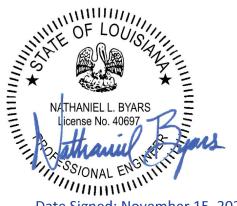
Continuous InSAR Monitoring of Ground Displacement Near Western Caverns and Dome Flank

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: November 15, 2023 Austin, Texas

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

Dataset

Satellite Source

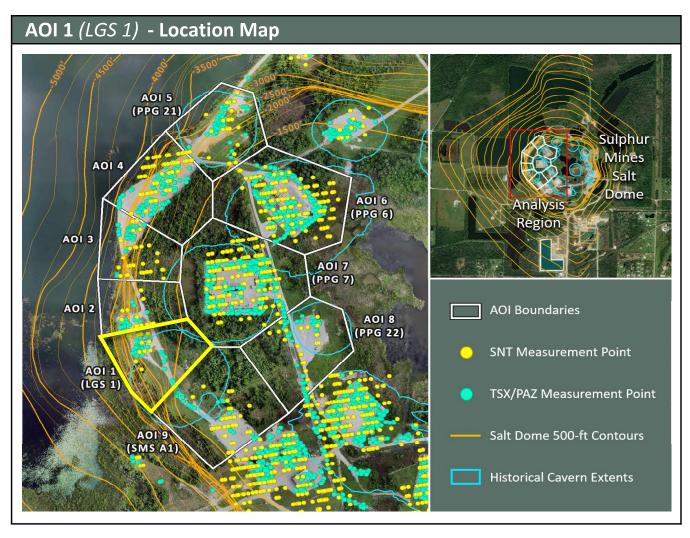
TerraSAR-X - PAZ Constellation

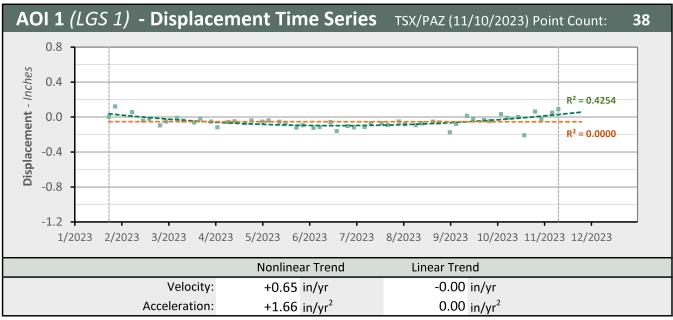
Most Recent Image Date

Friday, November 10, 2023

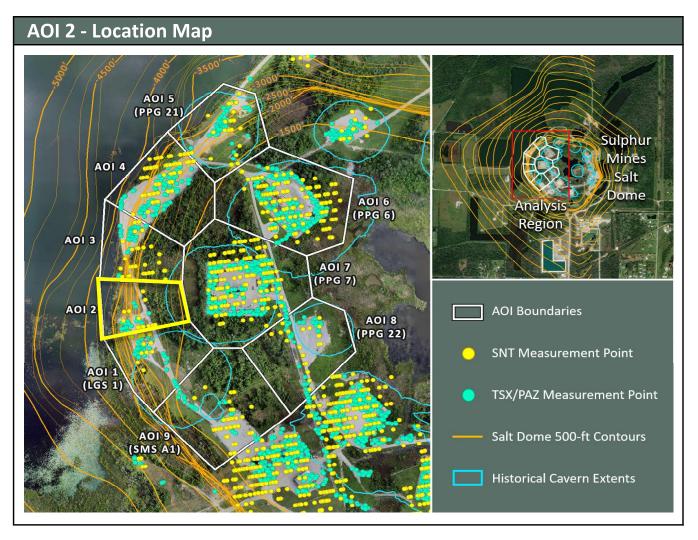
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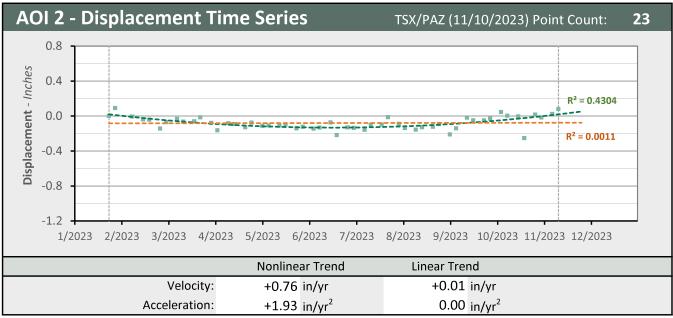
November 15, 2023

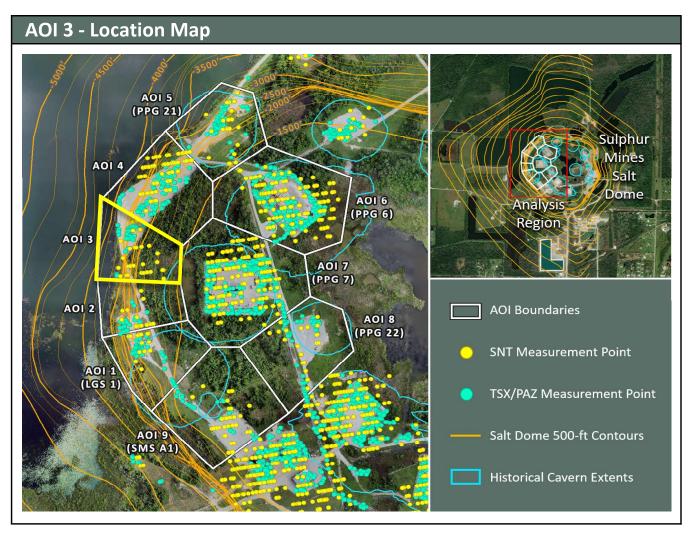


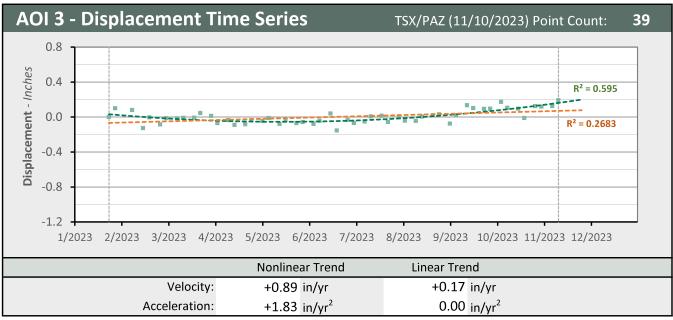


	Nonlinear Trend Line	Linear Trend Line
■ LOS Displacement Measurement 	Nonlinear Trend Line (Quadratic Regression)	(Linear Regression)

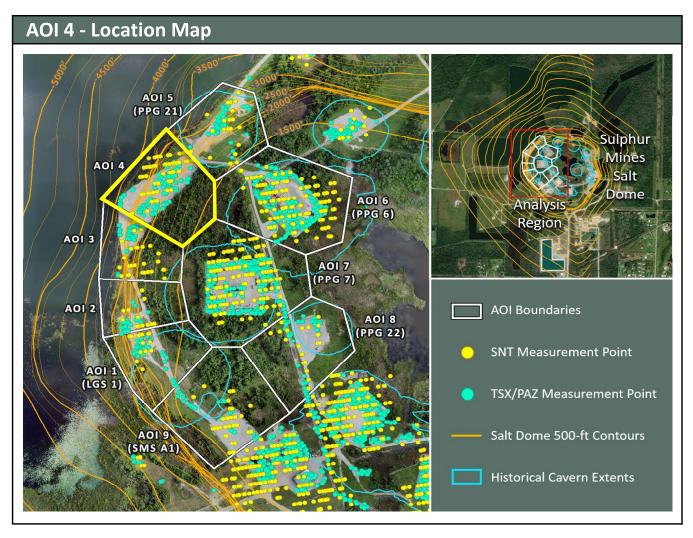


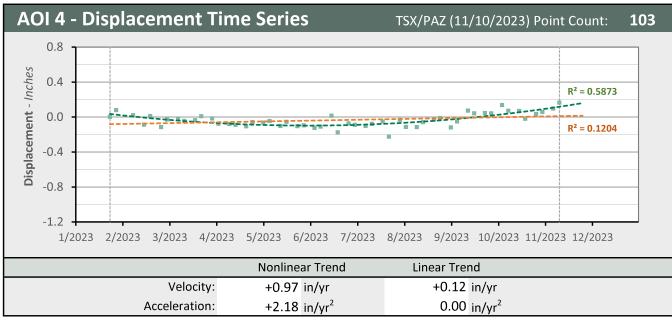


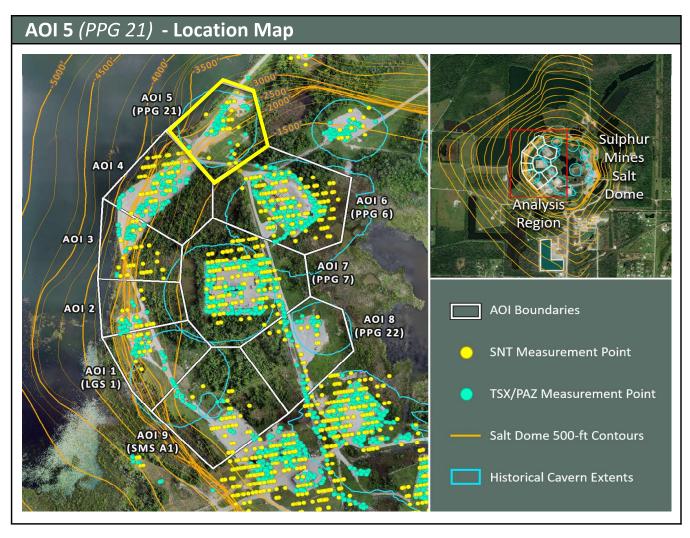


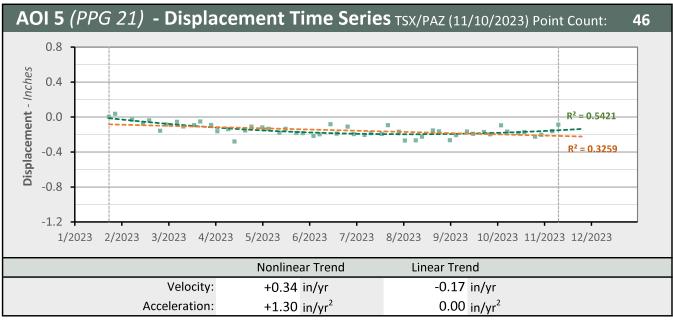


	Nonlinear Trend Line	Linear Trend Line
■ LOS Displacement Measurement 	Nonlinear Trend Line (Quadratic Regression)	(Linear Regression)

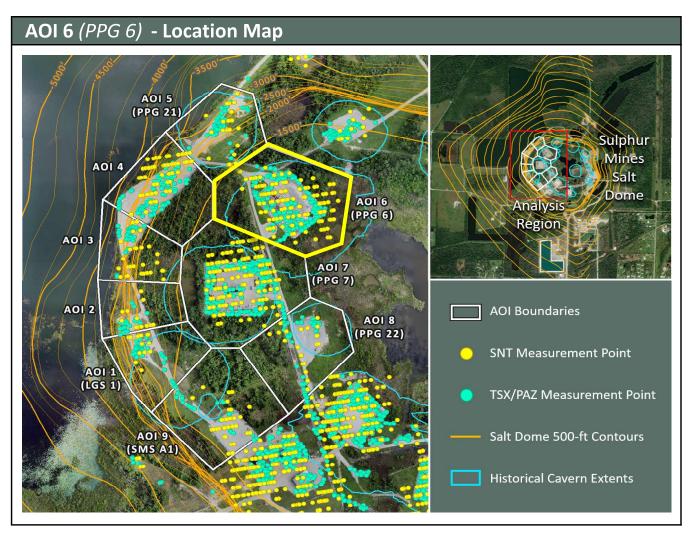


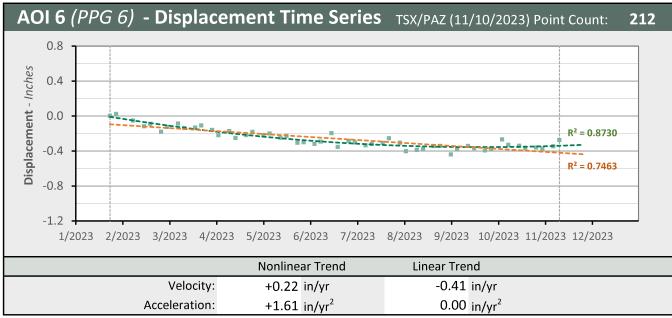




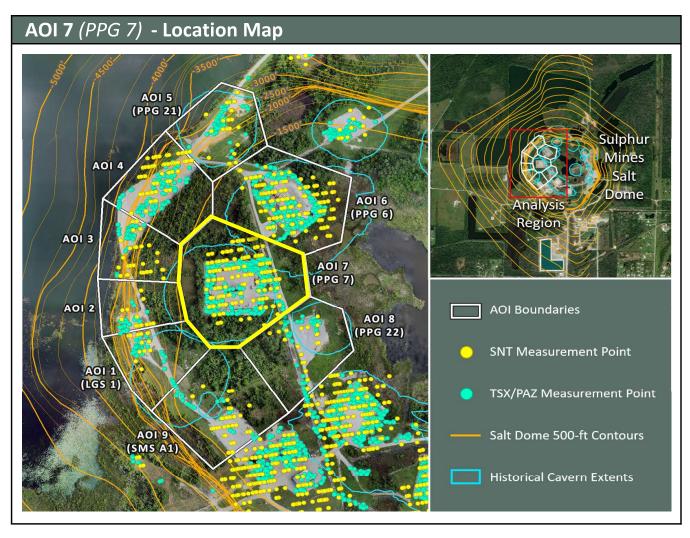


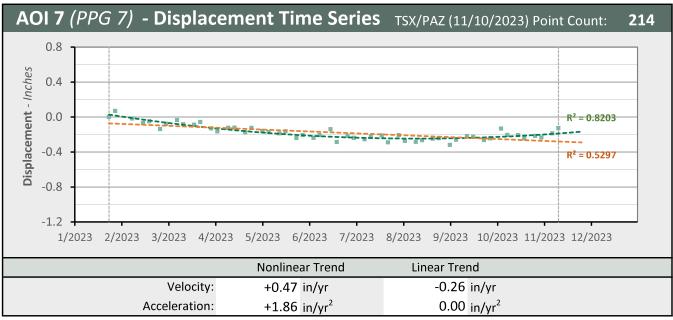
	Nonlinear Trend Line	Linear Trend Line
■ LOS Displacement Measurement 	Nonlinear Trend Line (Quadratic Regression)	(Linear Regression)



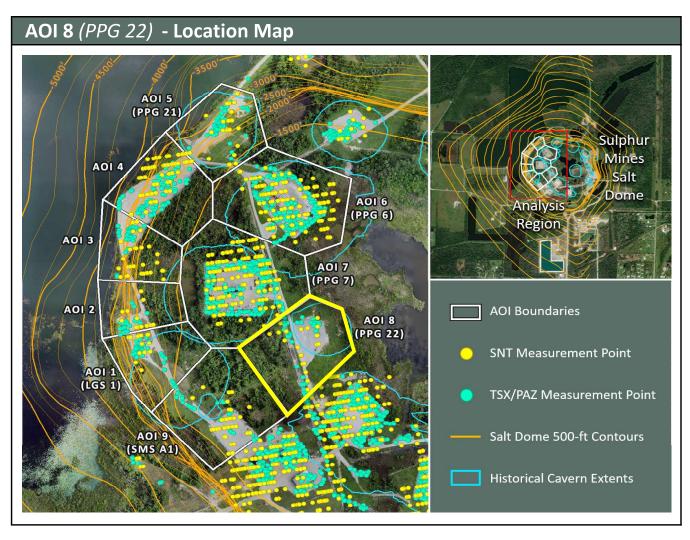


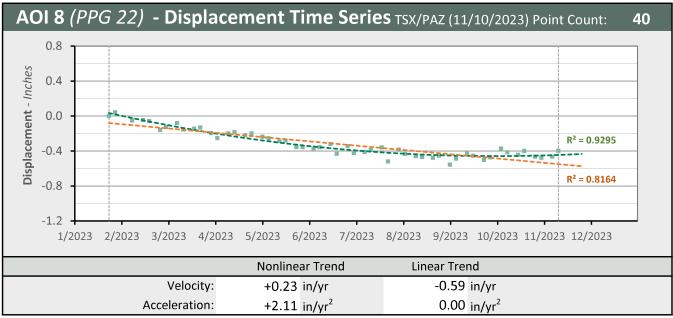




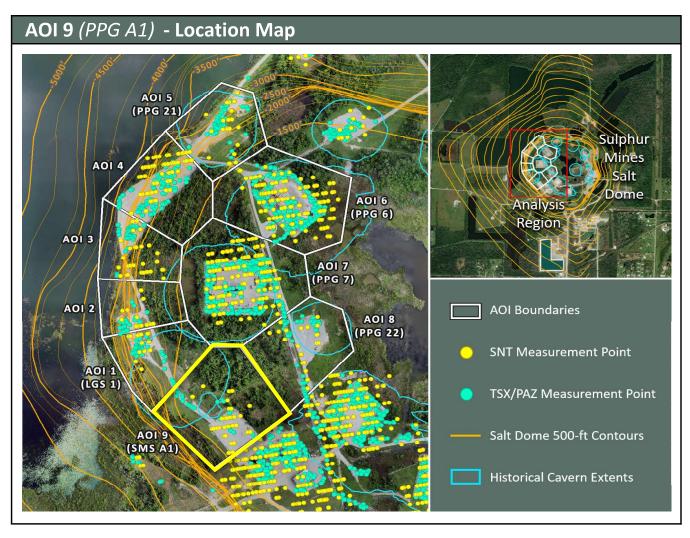


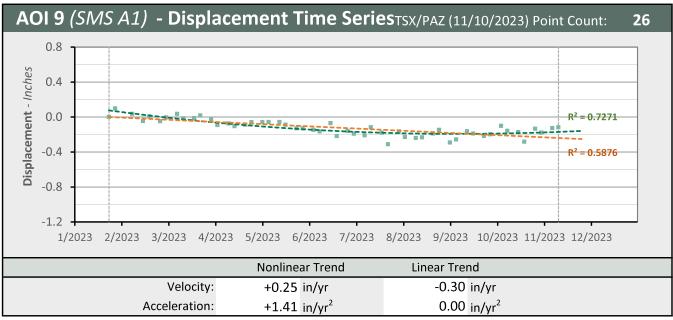
	Nonlinear Trend Line	Linear Trend Line
■ LOS Displacement Measurement 	Nonlinear Trend Line (Quadratic Regression)	(Linear Regression)



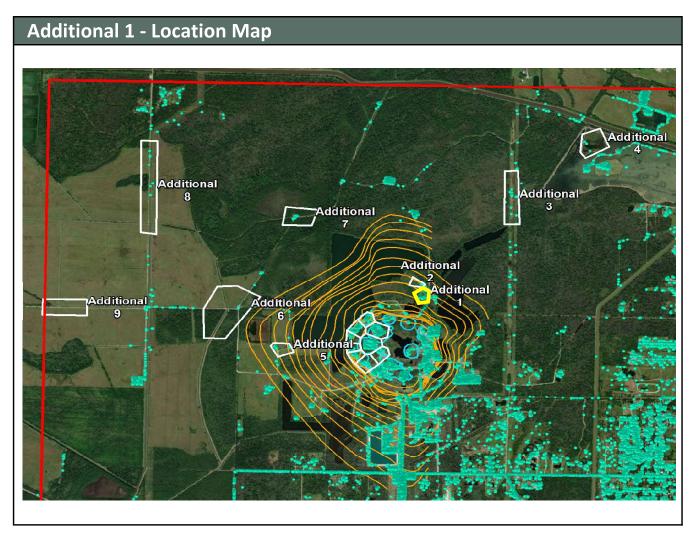


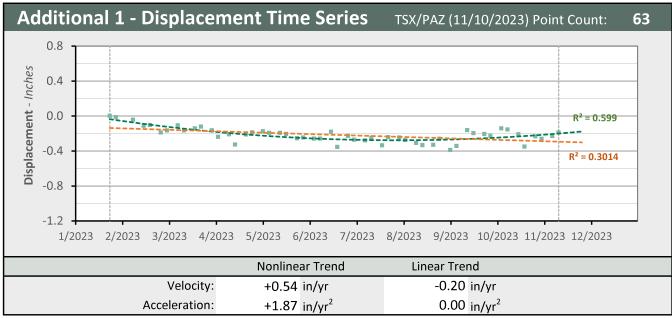
	Nonlinear Trend Line	Linear Trend Line
■ LOS Displacement Measurement 	Nonlinear Trend Line (Quadratic Regression)	(Linear Regression)

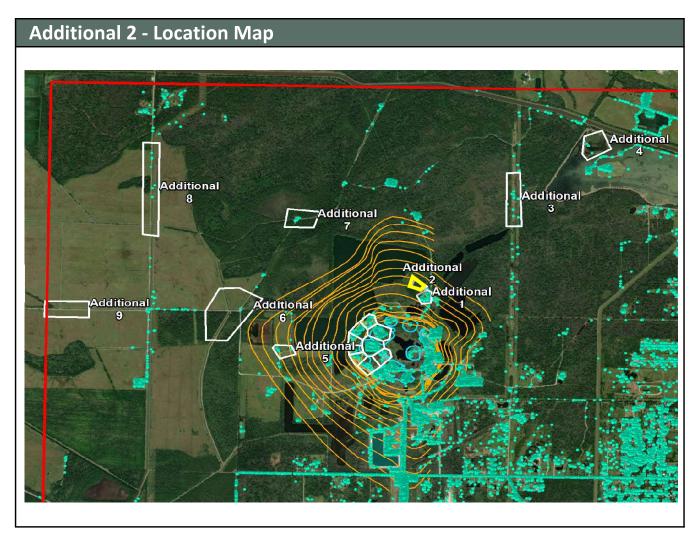


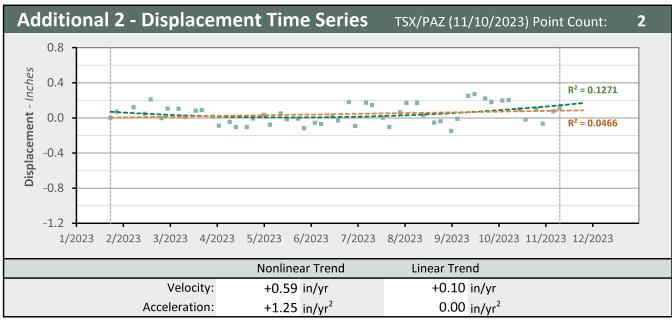


	Nonlinear Trend Line	Linear Trend Line
■ LOS Displacement Measurement 	Nonlinear Trend Line (Quadratic Regression)	(Linear Regression)

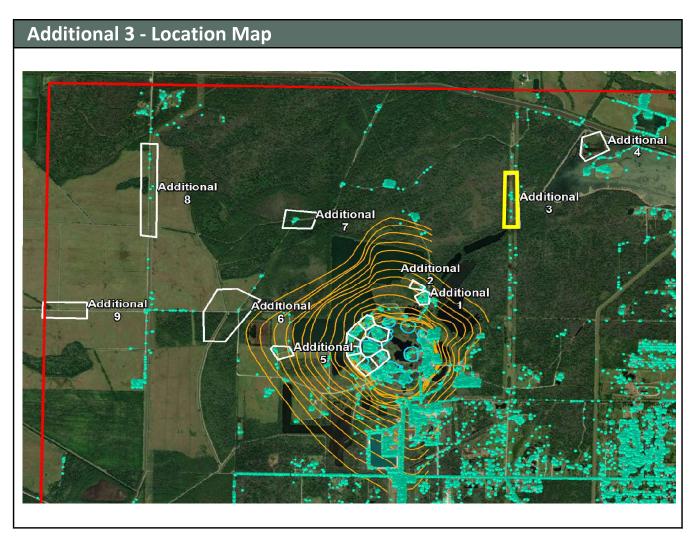


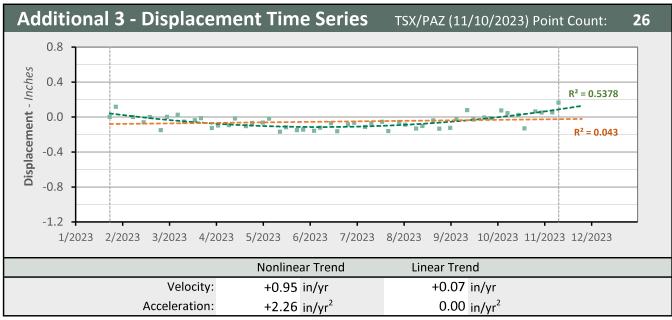




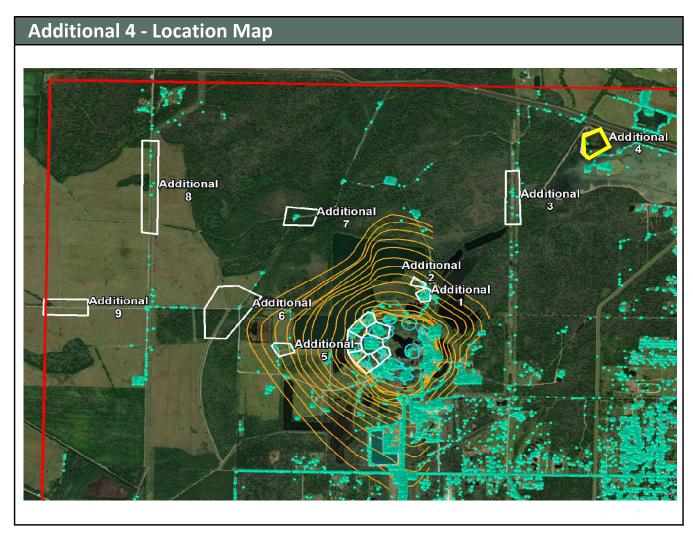


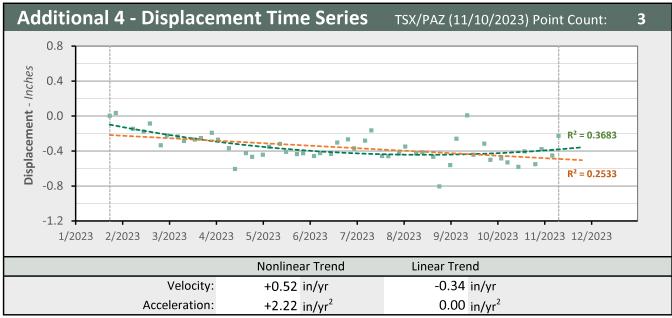
Γ		_
	■ LOS Displacement Measurement	
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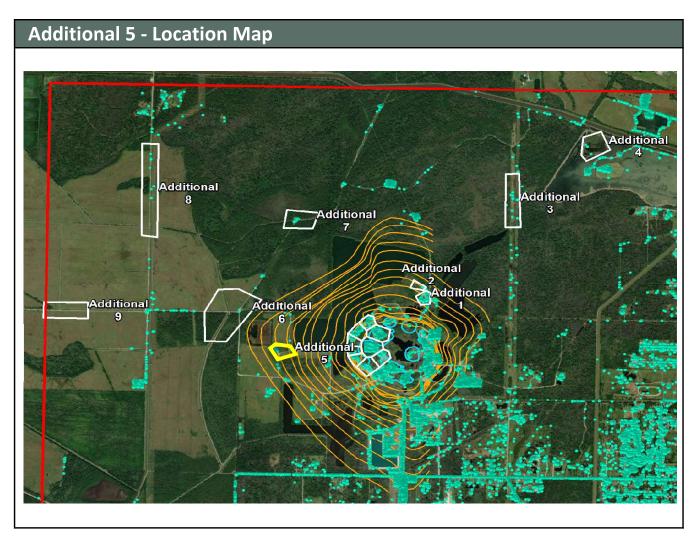


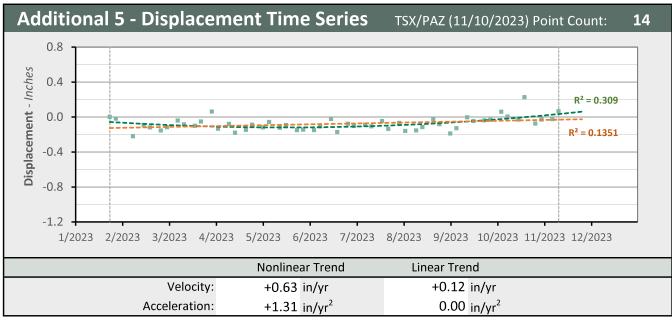


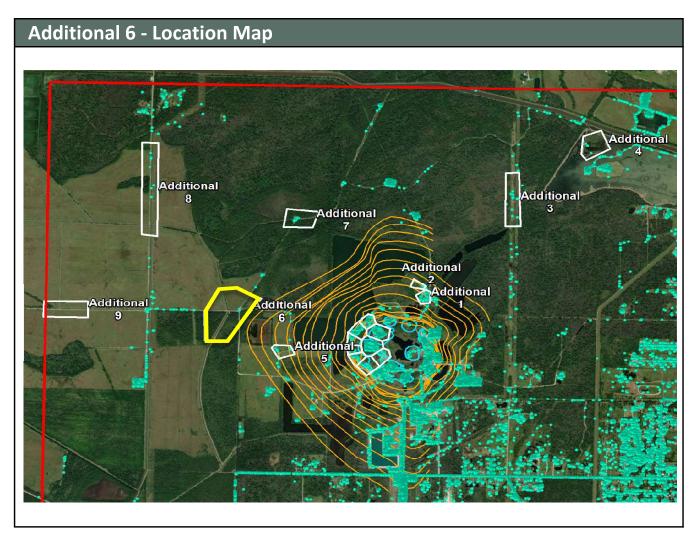
■ LOS Displacement Measurement	 Nonlinear Trend Line (Quadratic Regression)	 Linear Trend Line (Linear Regression)
	(Quadratic Negression)	(Linear Regression)

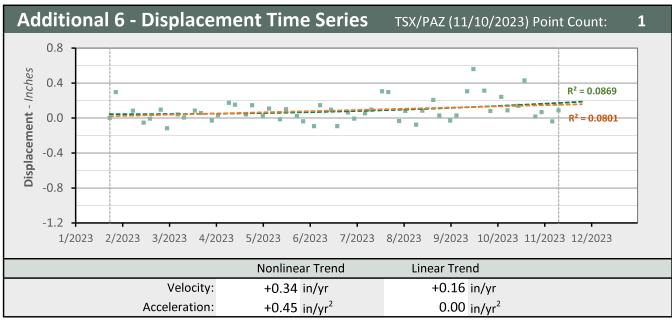












	Nonlinear Trend Line Linear Trend Line	$\overline{}$
■ LOS Displacement Measurement	Nonlinear Trend Line Linear Trend Line (Quadratic Regression) (Linear Regression)	

