Westlake US 2 Received 11/04/2023

#### TSX/PAZ Satellite Update InSAR Subsidence October 30, 2023

#### Lonquist comment:

The PAZ satellite from the TSX/PAZ constellation (4 & 7-day revisit) passed by Sulphur on Monday October 30. We received the dataset Wednesday and verified that none of the datapoint areas around the dome and caverns near the western flank are showing deviation from their respective trends.

As requested in our recent call, we have added a linear trend to the attached time series plots. Each plot now shows nonlinear and linear trends overlaid on the data with the associated trend values listed below each chart.



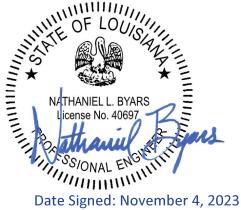
# **TSX/PAZ** Satellite Update

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



Austin, Texas

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

# Dataset

Satellite Source

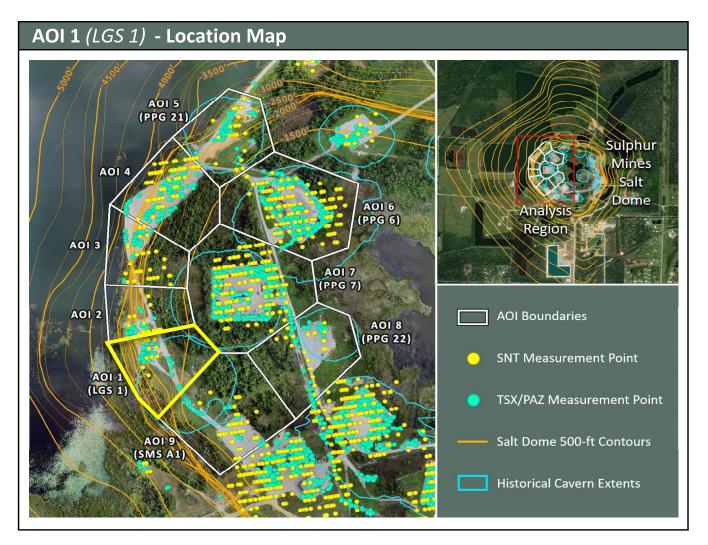
# **TerraSAR-X - PAZ Constellation**

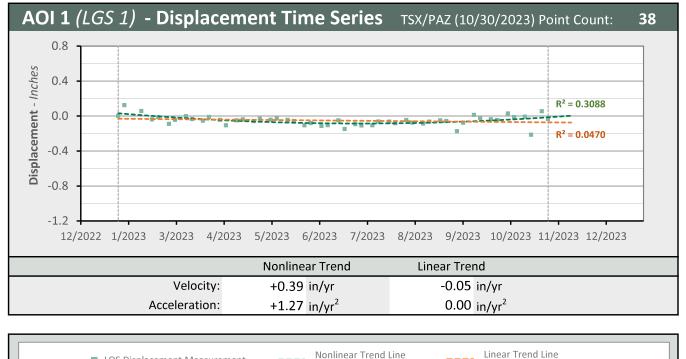
Most Recent Image Date

Monday, October 30, 2023

Analysis Report Date:

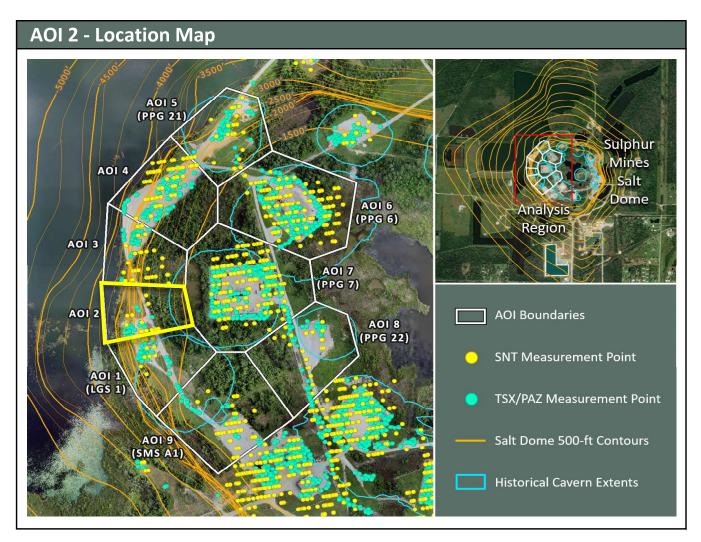
# November 3, 2023

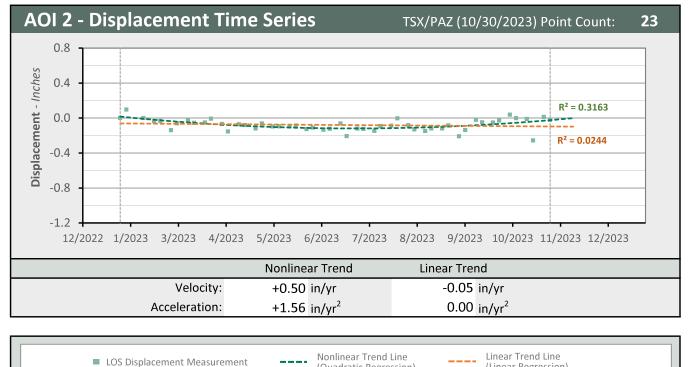




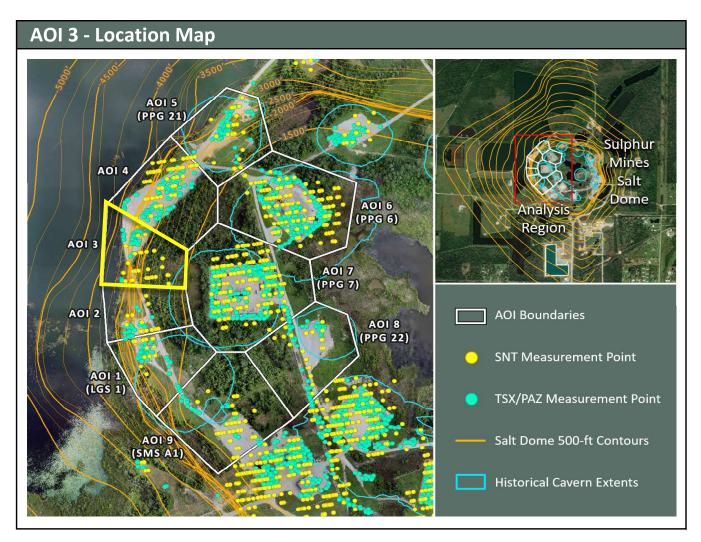
LOS Displacement Measurement

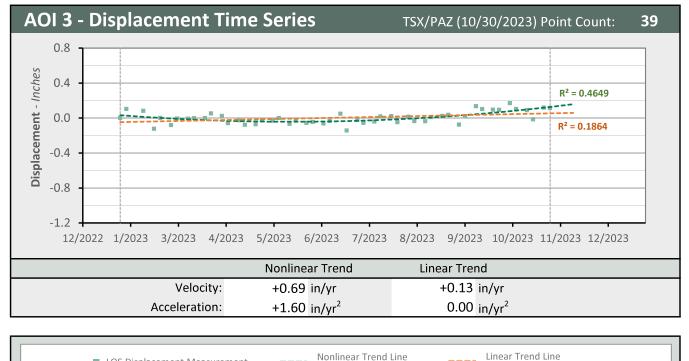
(Quadratic Regression)





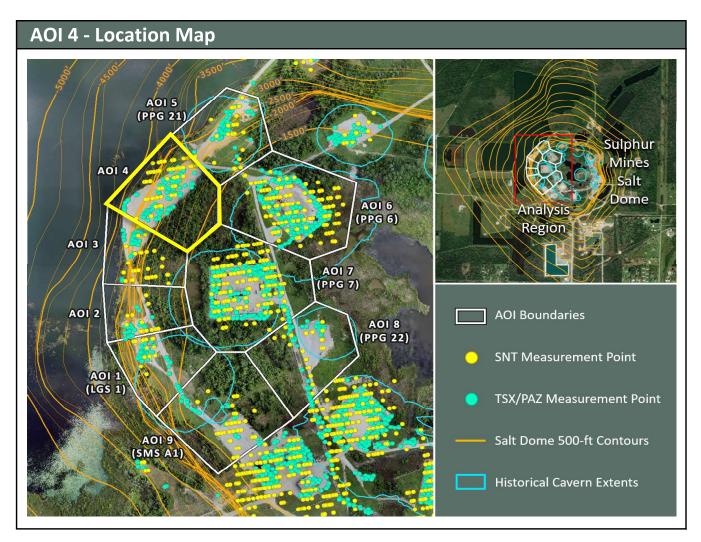
(Quadratic Regression)

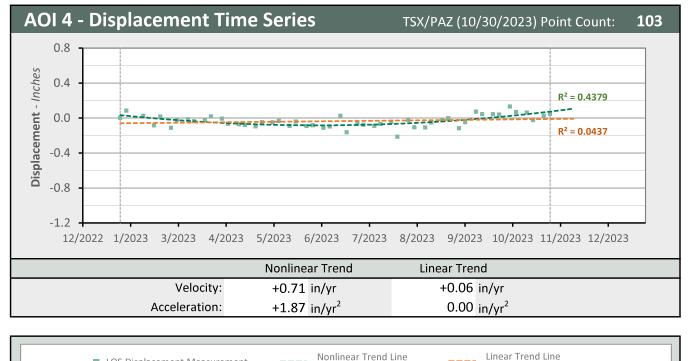




LOS Displacement Measurement

(Quadratic Regression)

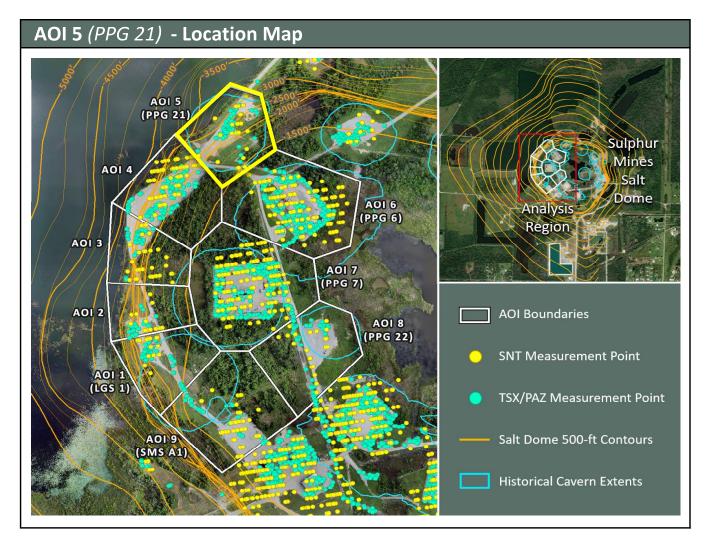


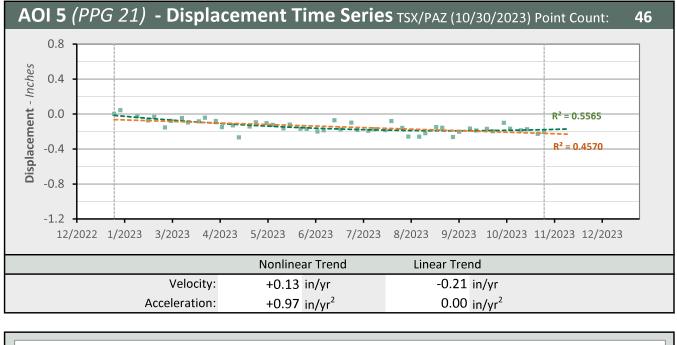


LOS Displacement Measurement

(Quadratic Regression)

### LONQUIST & CO. LLC





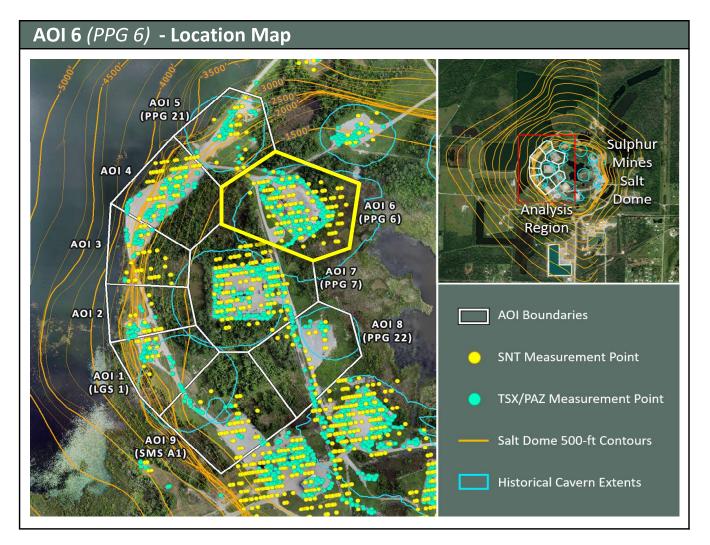
Dataset: TSXPAZ (10-30-2023).xlsx

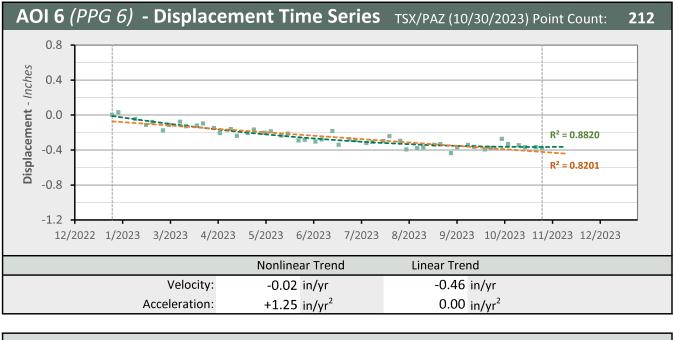
LOS Displacement Measurement

Nonlinear Trend Line

(Quadratic Regression)

Linear Trend Line





LOS Displacement Measurement

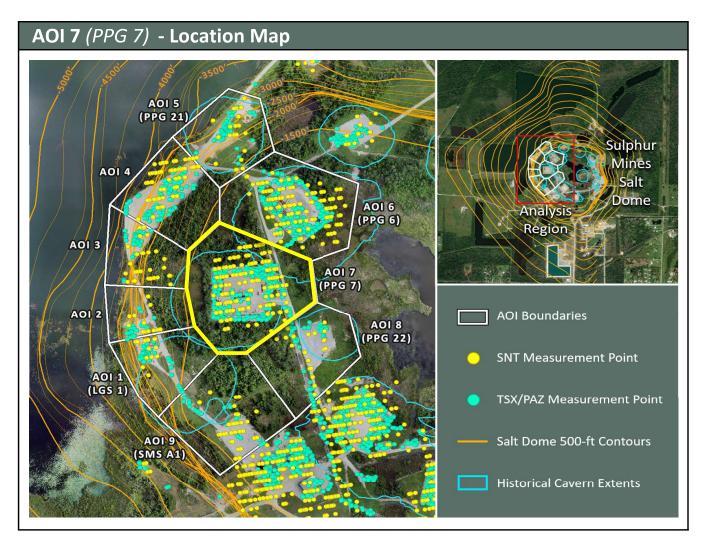
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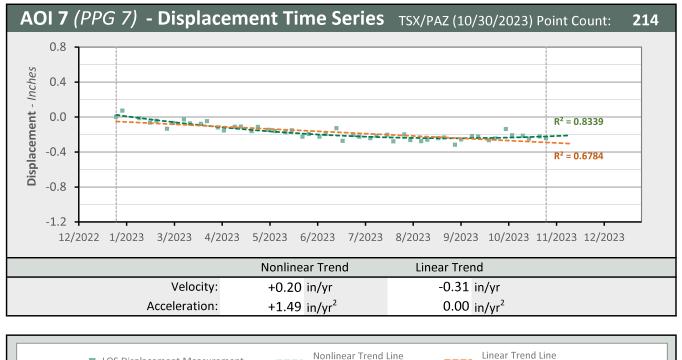
Page 7 of 19

Nonlinear Trend Line

(Quadratic Regression)

Linear Trend Line



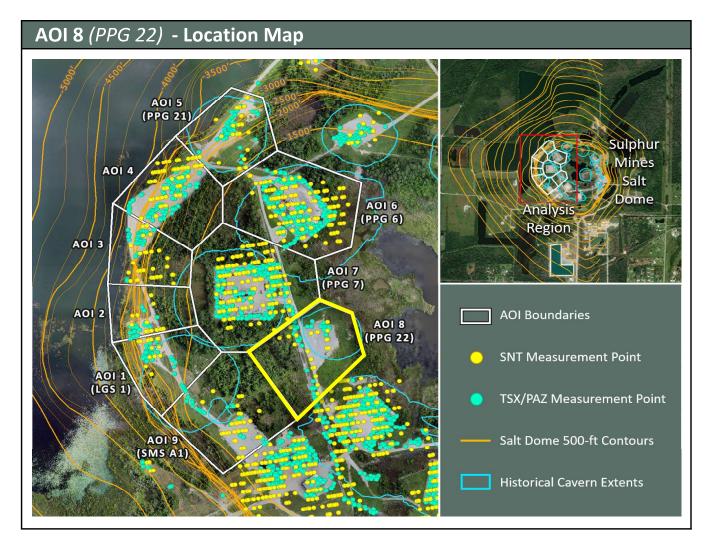


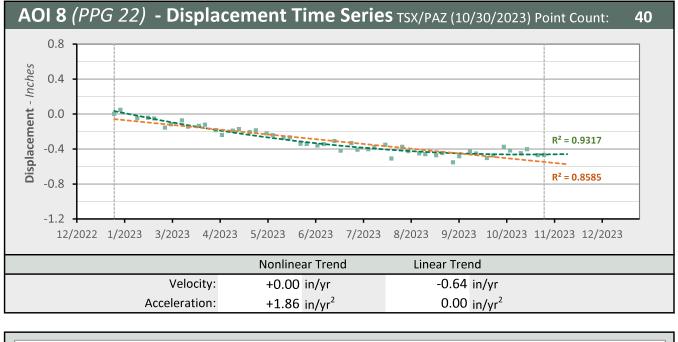
(Quadratic Regression)

Dataset: TSXPAZ (10-30-2023).xlsx

LOS Displacement Measurement

### LONQUIST & CO. LLC

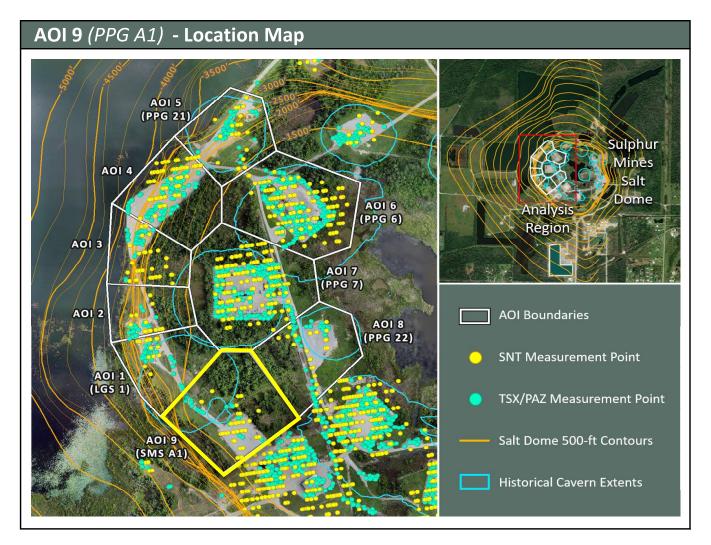


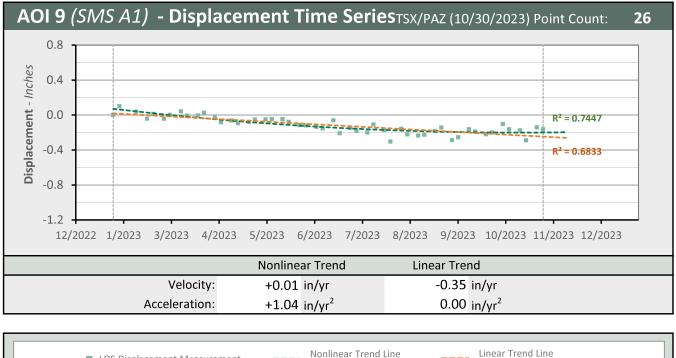


Nonlinear Trend Line (Quadratic Regression) Linear Trend Line (Linear Regression)

LOS Displacement Measurement

### LONQUIST & CO. LLC

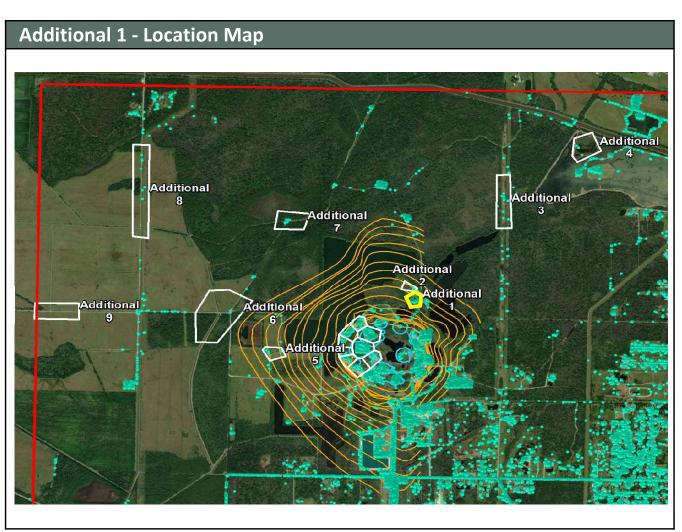


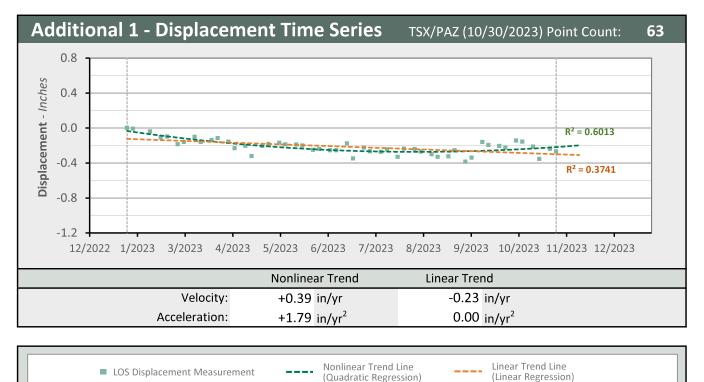


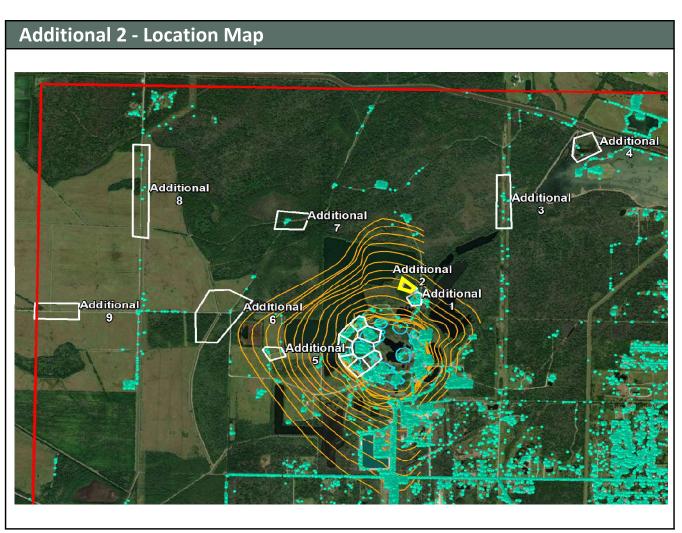
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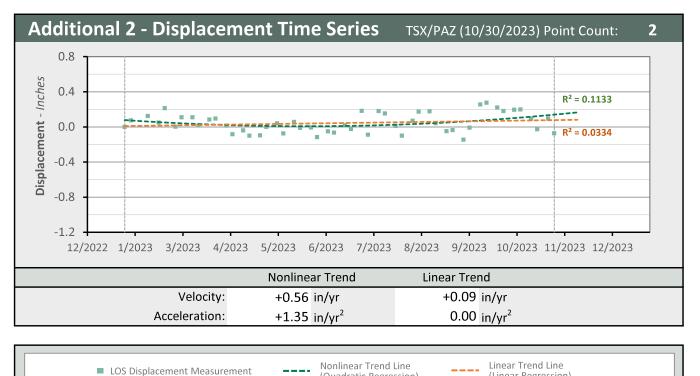
LOS Displacement Measurement

(Quadratic Regression)

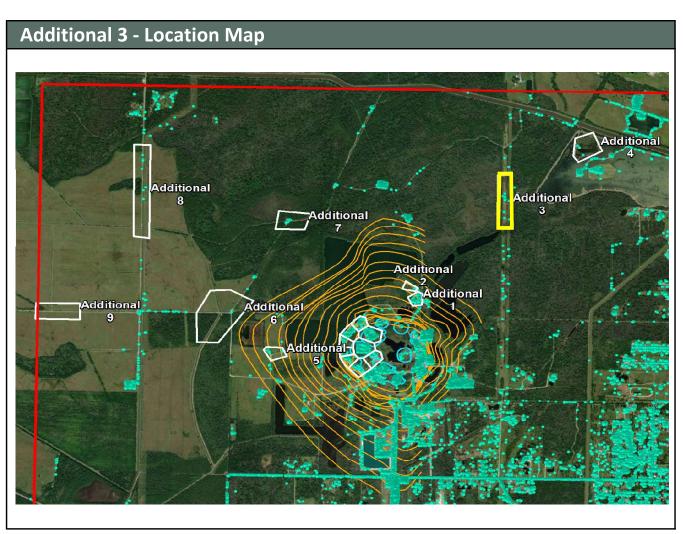


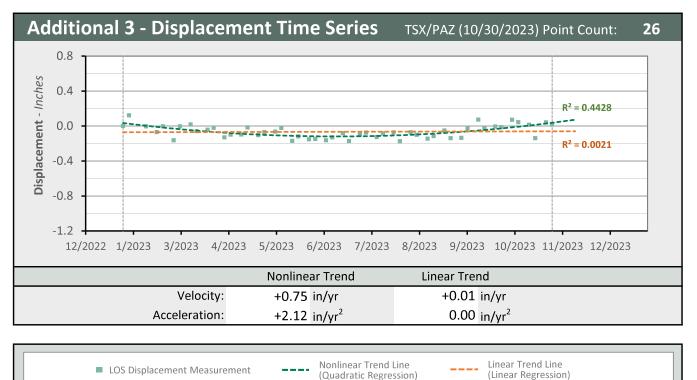


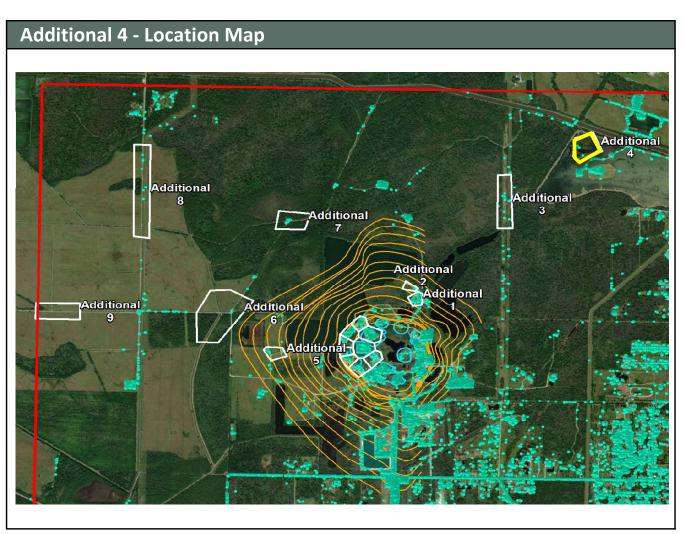


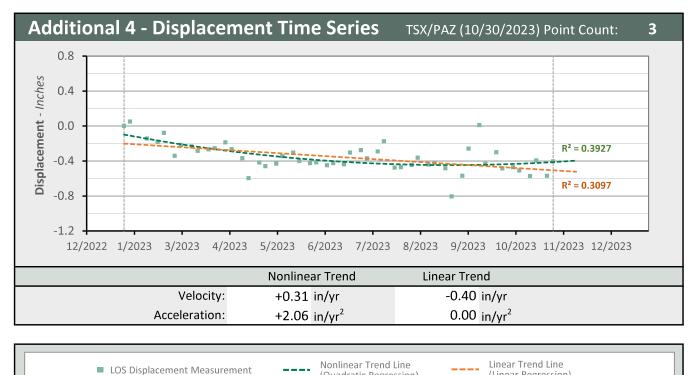


(Quadratic Regression)

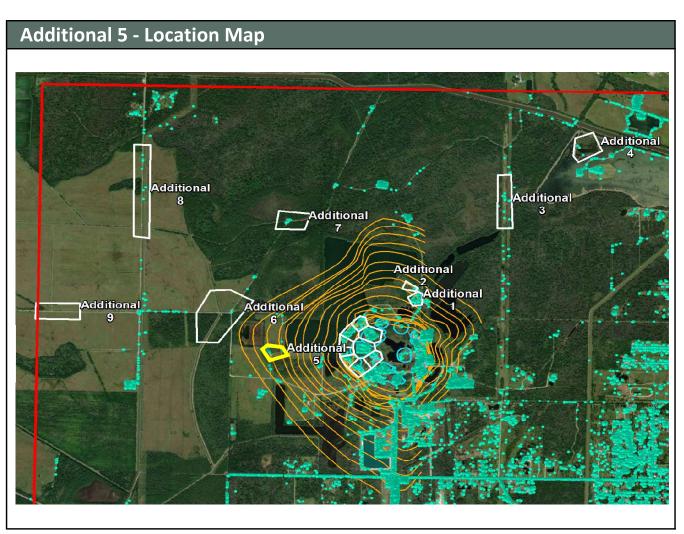


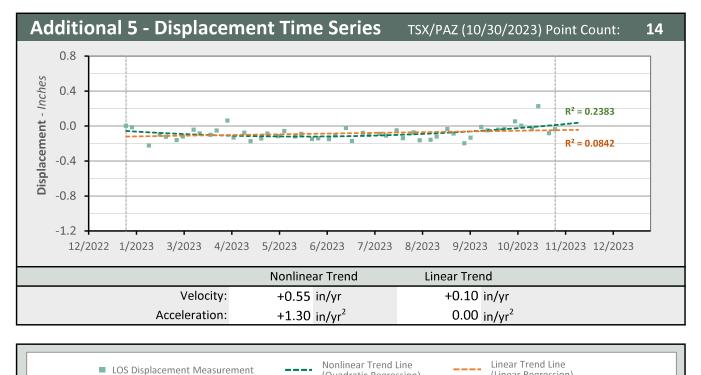




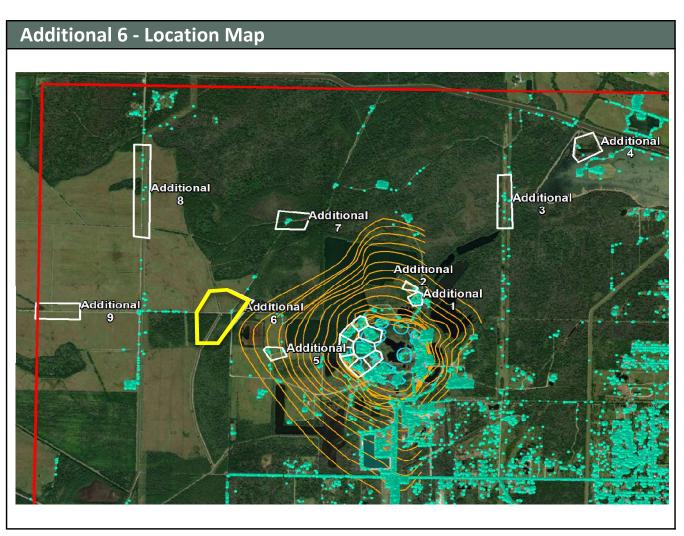


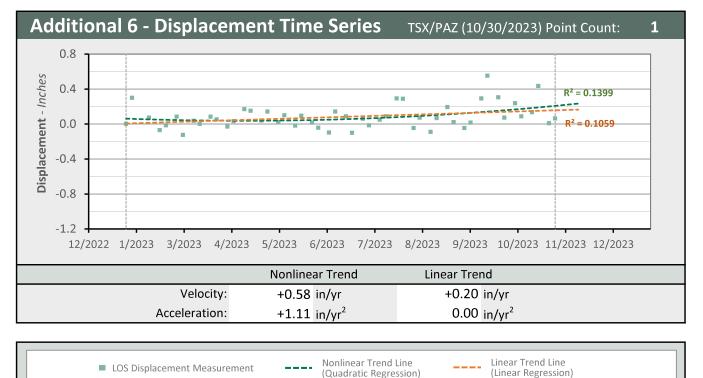
(Quadratic Regression)

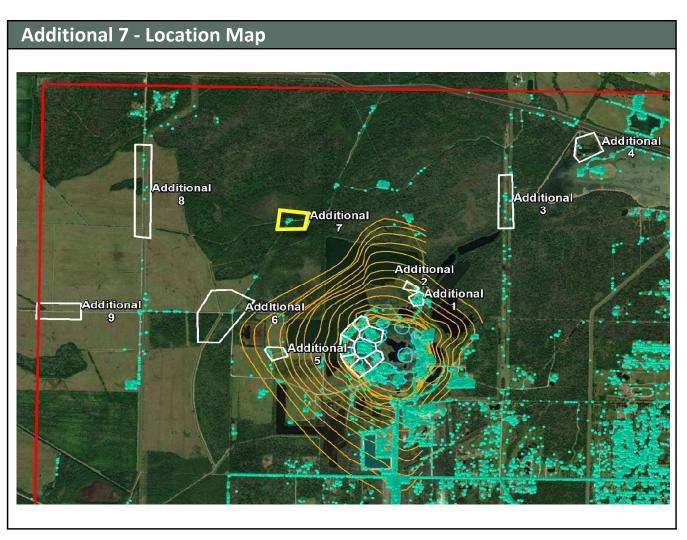


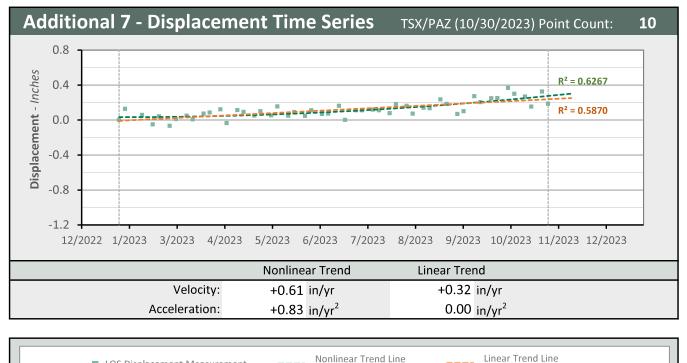


(Quadratic Regression)







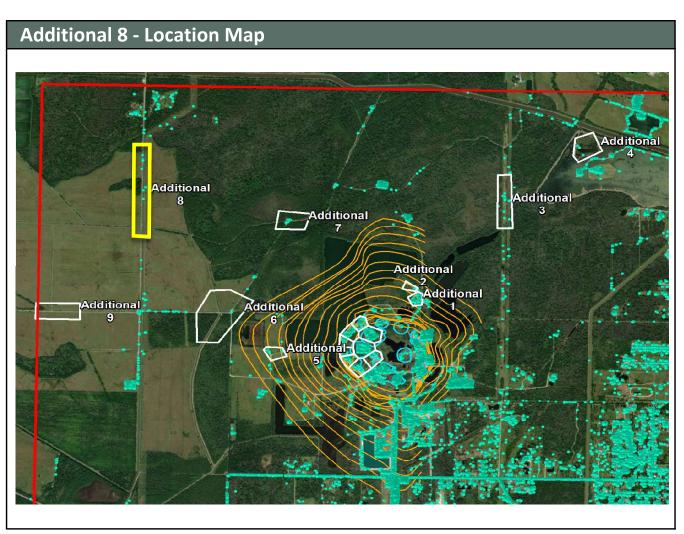


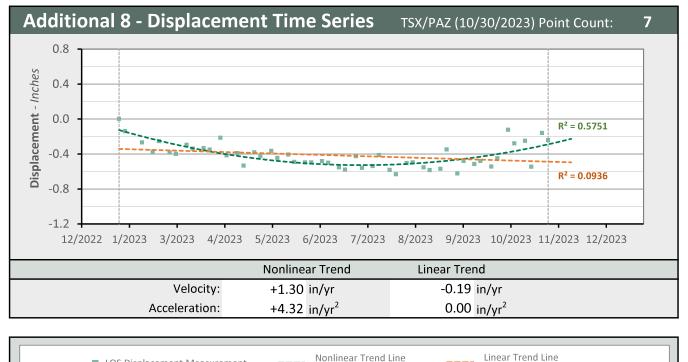
· · ·

(Quadratic Regression)

Linear Trend Line (Linear Regression)

LOS Displacement Measurement



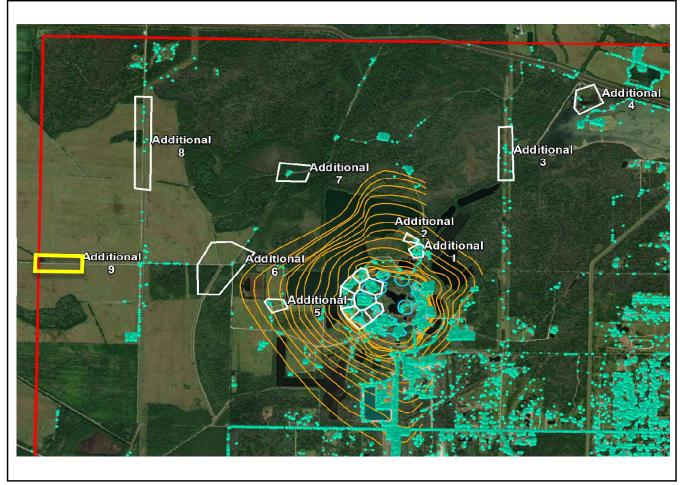


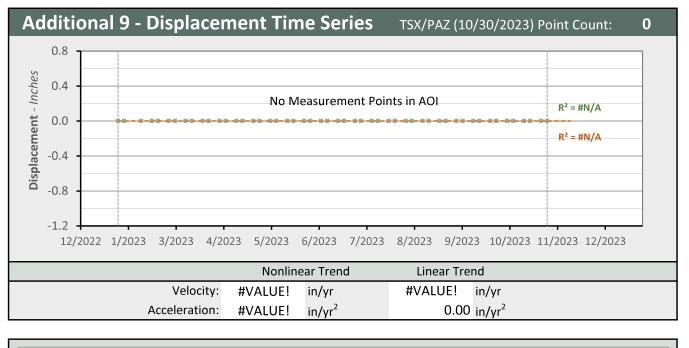
Nonlinear Trend Line Line (Quadratic Regression) (L

Linear Trend Line (Linear Regression)

LOS Displacement Measurement







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