

Memorandum

Date: December 5, 2025
To: NorthPoint Development
Subject: Summary of Aquifer Assessment - Project Green
Project: Project Green

Project
Green
- from townhall
Meeting 12/8/25

INTRODUCTION

As part of the feasibility study for Project Green, an aquifer assessment was completed. This assessment included a desktop review of regionally available data and drilling of an onsite test well and two observation wells. One existing site well, the shallow well, was also used during this assessment. To gather site specific information, a 72-hour pumping test was conducted using the test well as the pumping well and the three additional wells as observation wells. The results of this test were incorporated into a 2-dimensional (2D) model to evaluate potential impacts of pumping at the highest usage needs.

PUMPING TEST RESULTS

To evaluate the effects of pumping groundwater on the property, a 72-hour pumping test was completed. During this test, one well was pumped at the volume similar to the proposed peak usage and the aquifer was observed using three additional wells (two of the same depth, and one shallower well). The proposed peak usage is a conservative estimate that was calculated using the hottest peak day over the last 30 years. The results were the following:

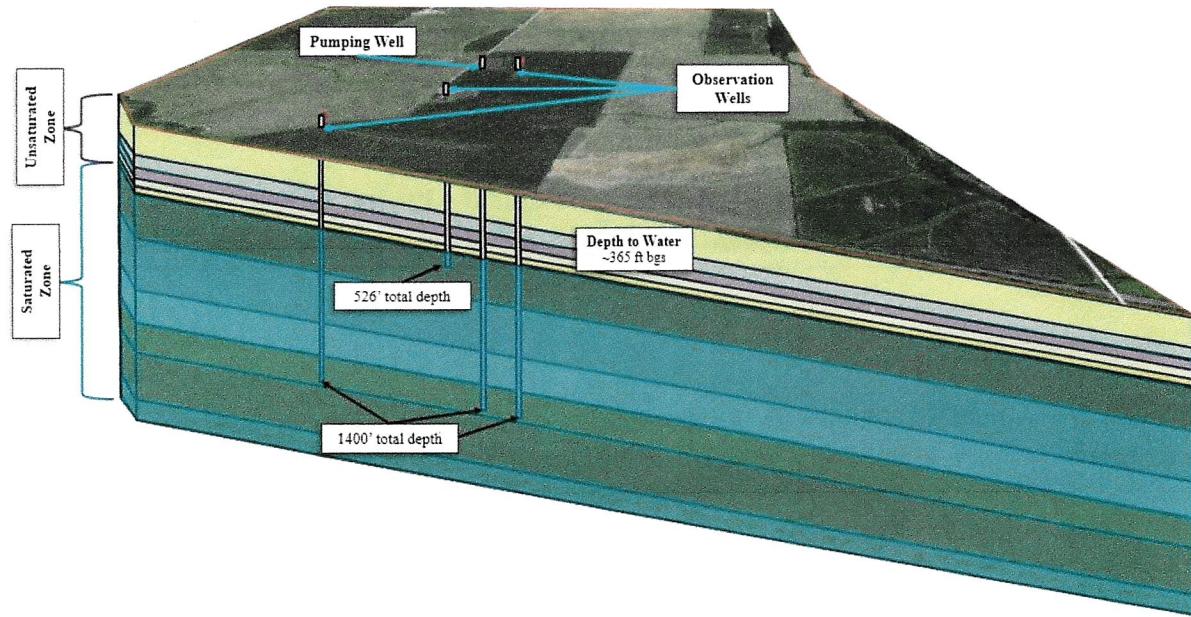
- The maximum drawdown (decrease in water level) at the pumping well was 11.55 ft. ✓
 - When the pump was turned off after 72-hours, the pumping well water level returned to its original level within 21 minutes.
- The nearest deep observation well, ~400 ft from the pumping well, had a maximum drawdown of 0.48 ft. 1255 ft. awl 1'
- The farthest deep observation well, ~2400 ft from the pumping well, did not have a drawdown signature that was distinguishable from pre- and post-pumping test water levels.
- Overall, the results of this test suggest the aquifer is very productive and reliable (high specific capacity associated with the well, and high transmissivity and storativity associated with the aquifer).

CASE DEPTH 700'

Draft Summary of Pumping Tests Results for Project Green

December 5, 2025

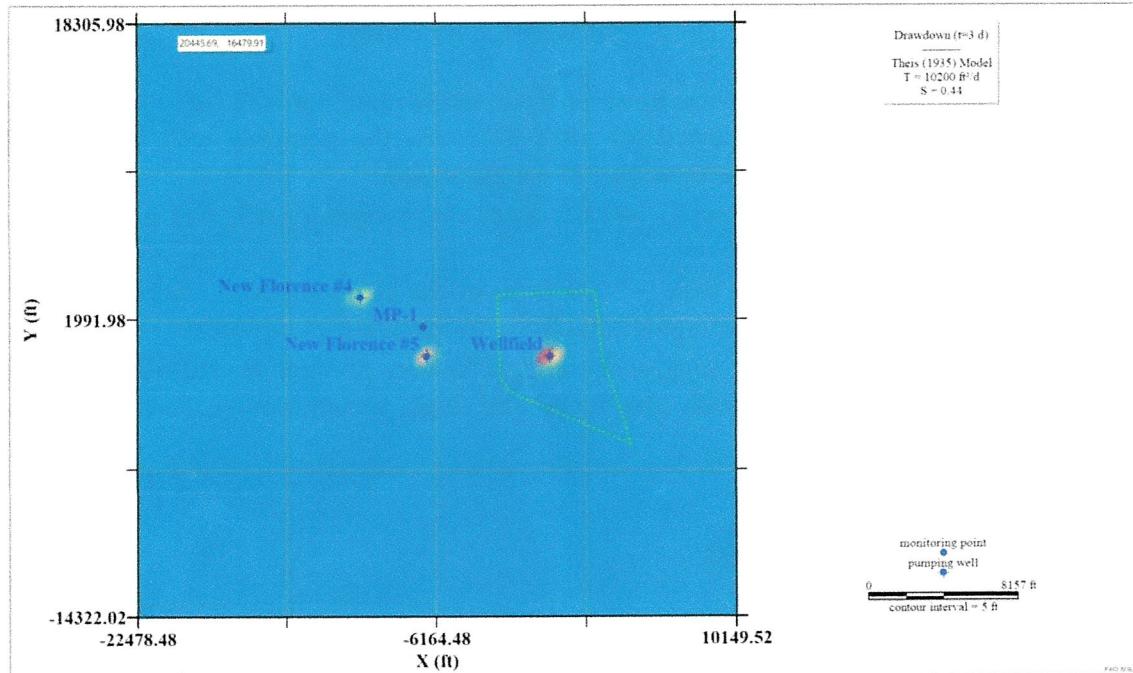
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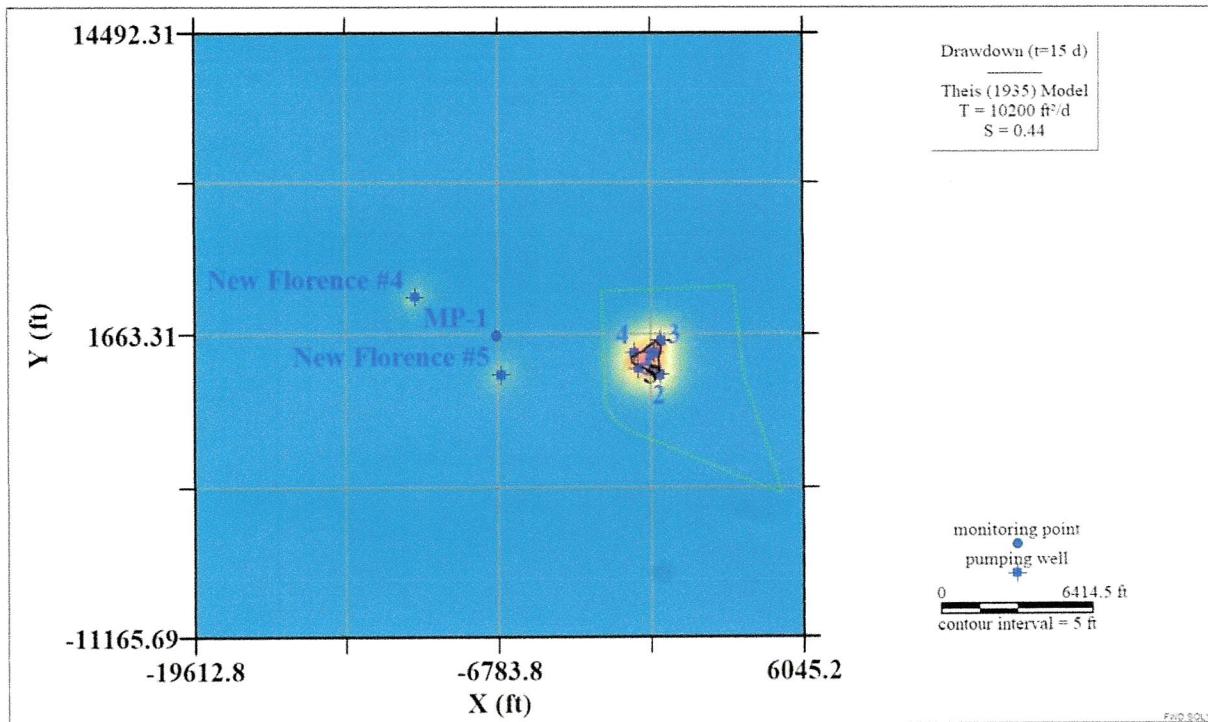
Note: This diagram is not to scale

2D MODEL RESULTS

The site-specific data were used to develop a simple 2D model showing the extent of pumping impacts within the property. To test the model, a 72-hour (3-day) period, using one pumping well, was run and showed a similar result to field measurements collected during the pumping test:



The same model was run for 15-days, using five wells. In this scenario, all wells are pumping the same rate as the existing onsite well. This volume of pumping simulates the potential water usage at peak demand for a 15-day period. This model prediction suggests pumping impacts would stay within the property boundary:



CONCLUSIONS

The results of the onsite pumping test and the 2D model suggest (1) the aquifer is productive and reliable, and (2) pumping could be conducted onsite at the proposed maximum rate for up to 15-days with minimal (<0.25 ft) impact at the property boundary.

