

13176: Drawdown from current location = 3.58 ft
Drawdown from proposed location = 6.49 ft
Net drawdown = **2.9 ft**

22502: Drawdown from current location = 3.38 ft
Drawdown from proposed location = 4.72 ft
Net drawdown = **1.3 ft**

16380: Drawdown from current location = 2.71 ft
Drawdown from proposed location = 4.80 ft
Net drawdown = **2.1 ft**

Domestic 1: Drawdown from current location = 3.23 ft
Drawdown from proposed location = 4.16 ft
Net drawdown = **0.9 ft**

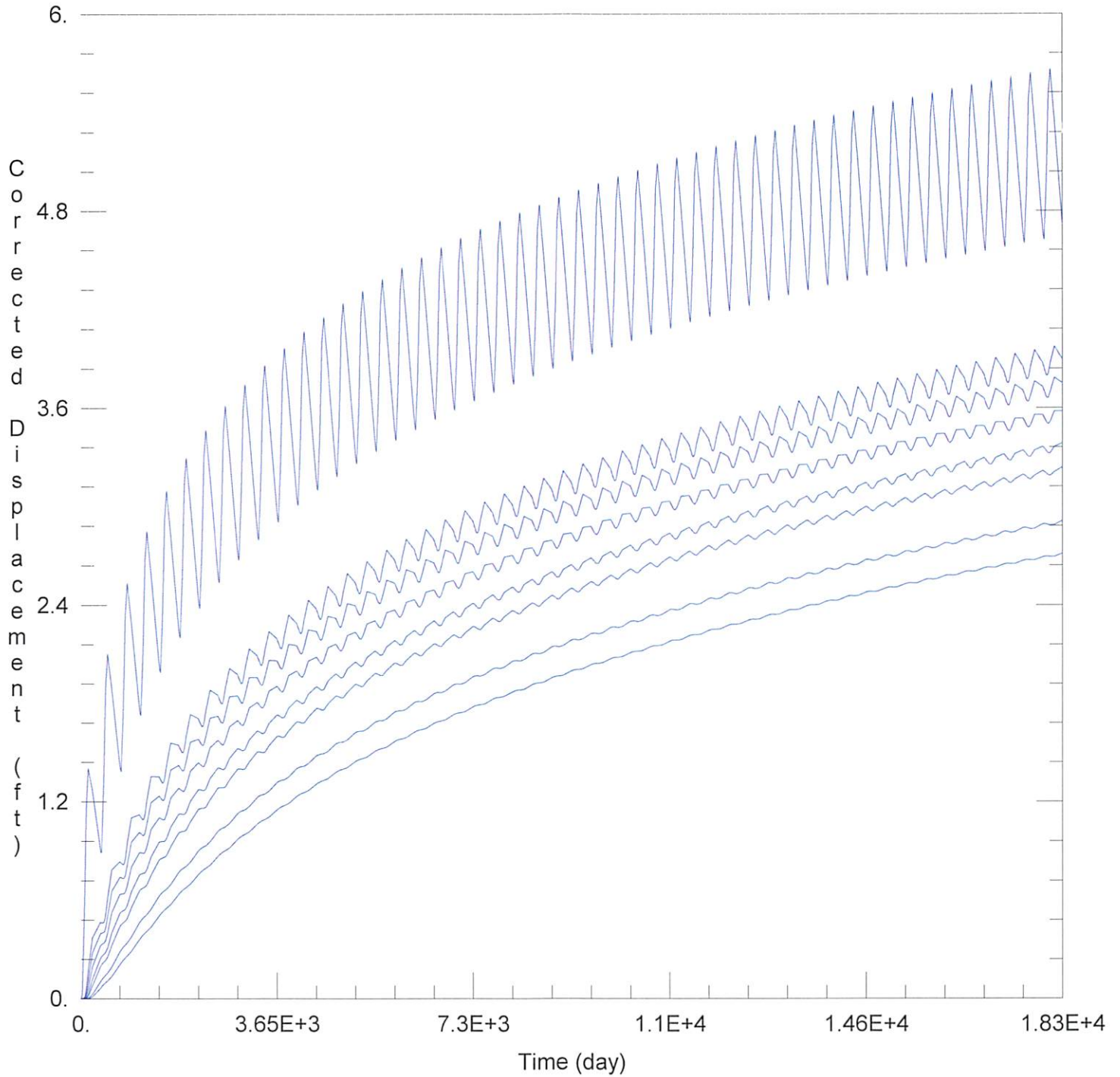
Domestic 2: Drawdown from current location = 2.91 ft
Drawdown from proposed location = 4.18 ft
Net drawdown = **1.3 ft**

Domestic 3: Drawdown from current location = 3.78 ft
Drawdown from proposed location = 6.70 ft
Net drawdown = **2.9 ft**

Net drawdown exceeds the drawdown allowance for water right numbers 2851, 13176, 22502, 16380, and domestic wells numbered 2 and 3 on the map. These wells are all critical because the remaining saturated thickness is only 46 ft, and the GMD3 hydrologic model projects a water table decline of an additional 15 ft over the next 25 years.

Conclusion:

The proposed move is in a depleted aquifer area with less than 50 ft of remaining saturated thickness. The analysis shows that if the proposed well is operated at its full rate and quantity, net well-to-well effects are likely to be noticeable, due to the limited amount of remaining aquifer. Concerned neighbors should contact GMD3 at (620) 275-7147 or the Division of Water Resources at (620) 276-2901.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2023_moves\3714\3714 Current.aqt
 Date: 01/04/24 Time: 14:56:36

PROJECT INFORMATION

Company: GMD 3
 Project: 3714
 Location: Ford County

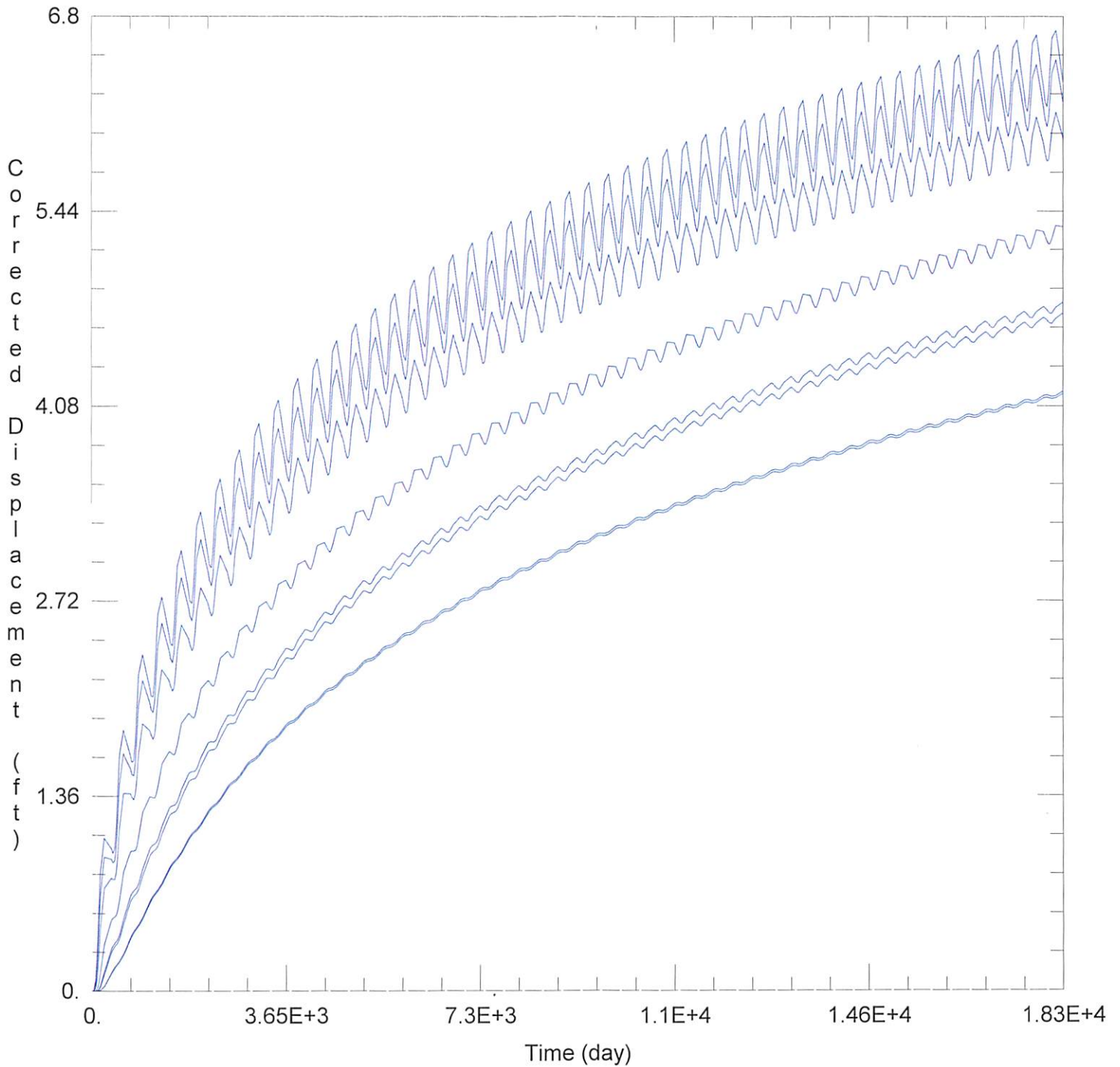
WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
3714	248610	294590

Observation Wells

Well Name	X (ft)	Y (ft)
□ 21187	248610	294590
□ 21187	247963	295072



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2023_moves\3714\3714 Proposed.aqt
 Date: 01/04/24 Time: 14:56:30

PROJECT INFORMATION

Company: GMD 3
 Project: 3714
 Location: Ford County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
3714	249525	294046

Observation Wells

Well Name	X (ft)	Y (ft)
□	249525	294046
□ 21187	247063	295072