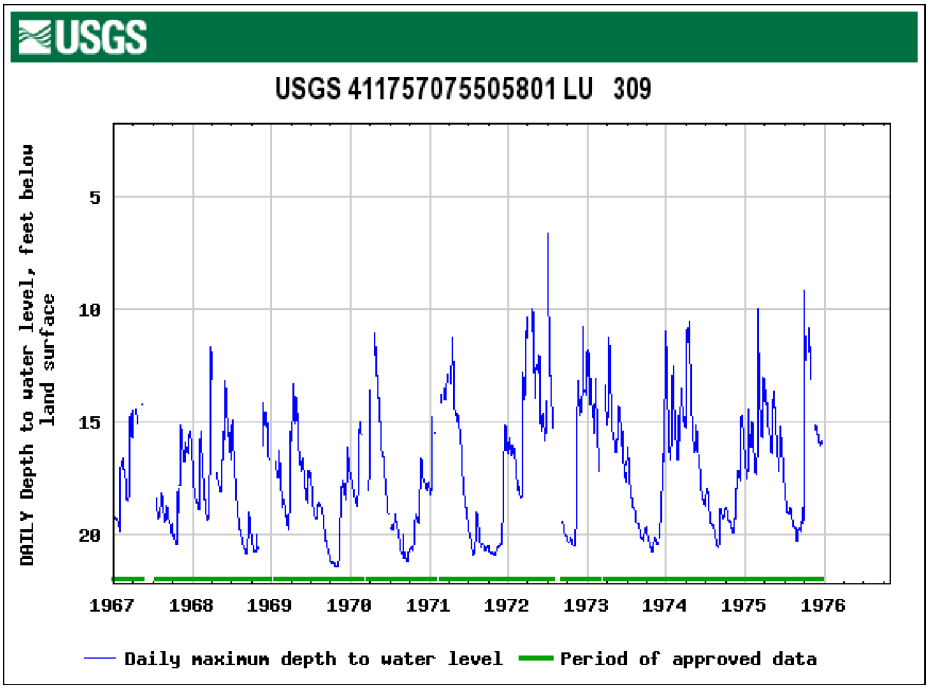
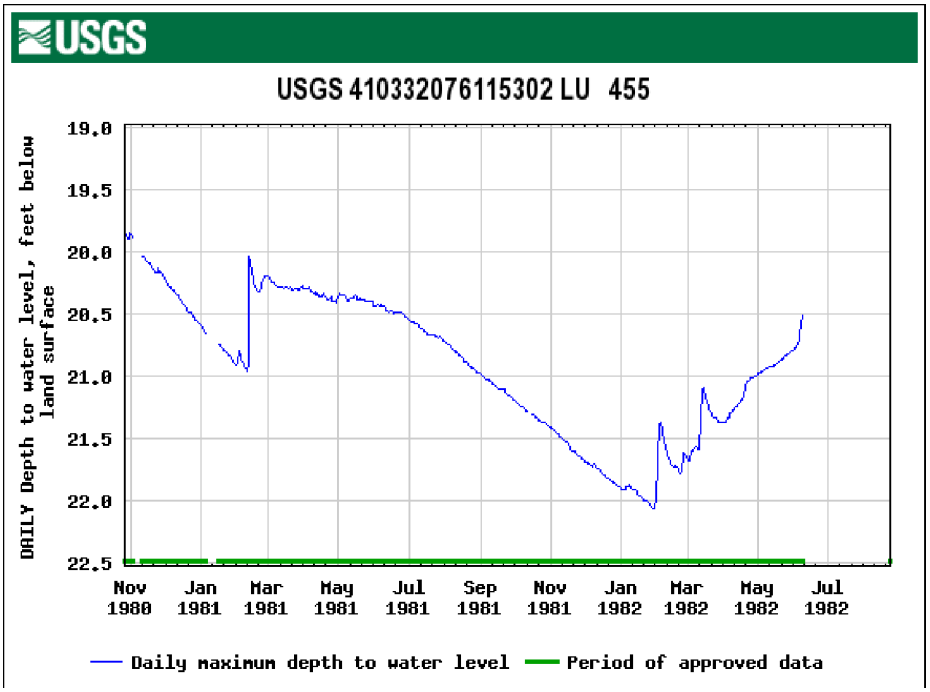
Figure 2.4-60 {Hydrographs of Two USGS Monitoring Wells in Luzerne County Screened in Glacial Overburden}





Reference: USGS, 2008j

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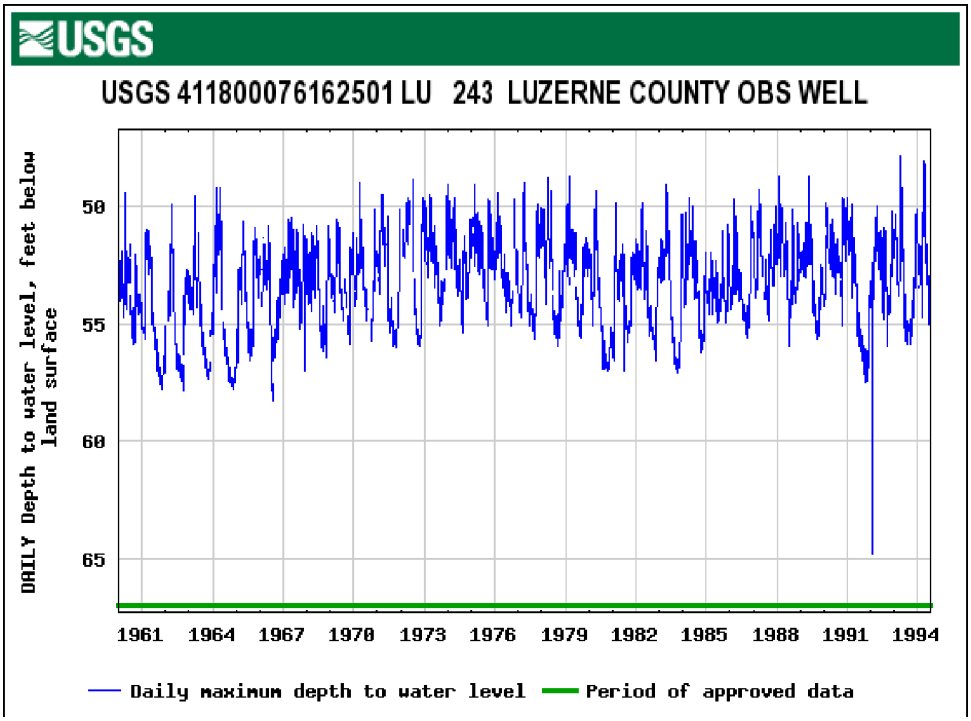
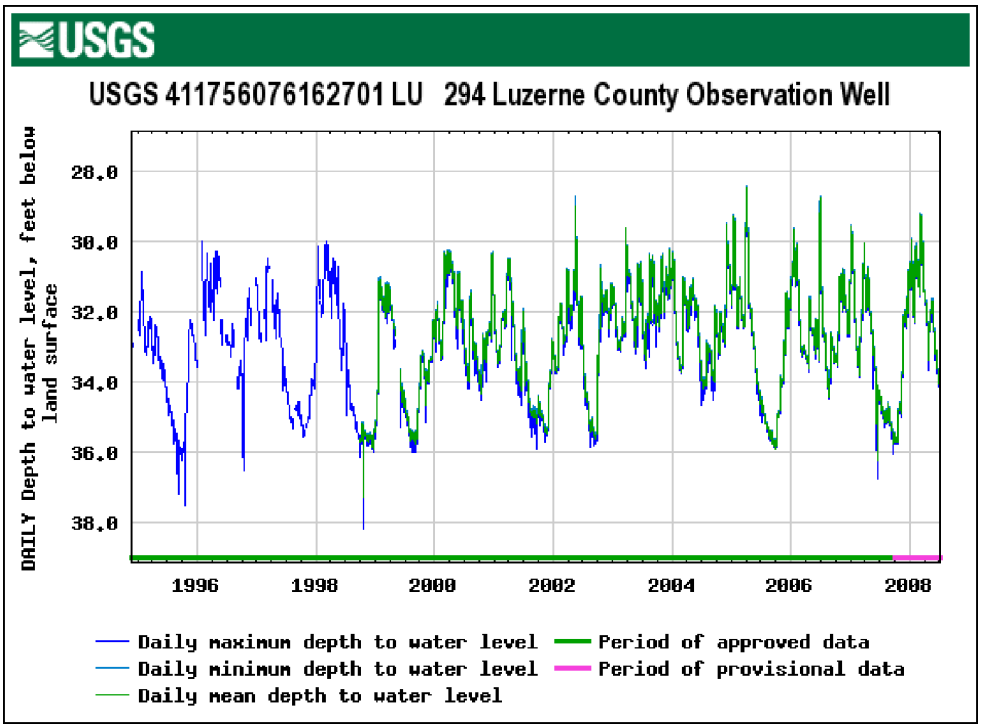
Figure 2.4-61 {Hydrographs of Two USGS Monitoring Wells in Luzerne County Screened in the Catskill Formation}





Reference: USGS, 2008j

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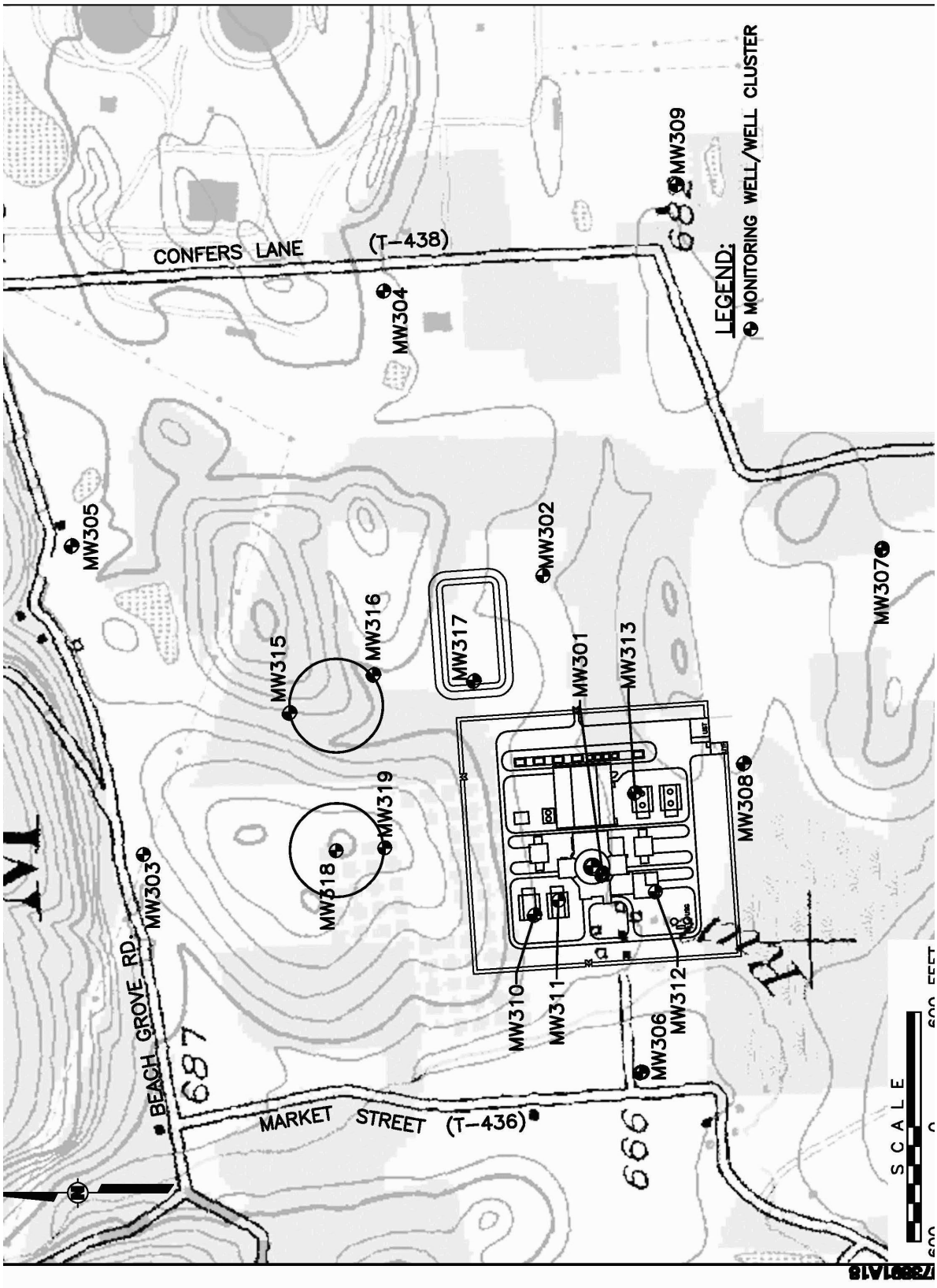

Figure 2.4-62 {Locations of Ground Water Monitoring Wells}

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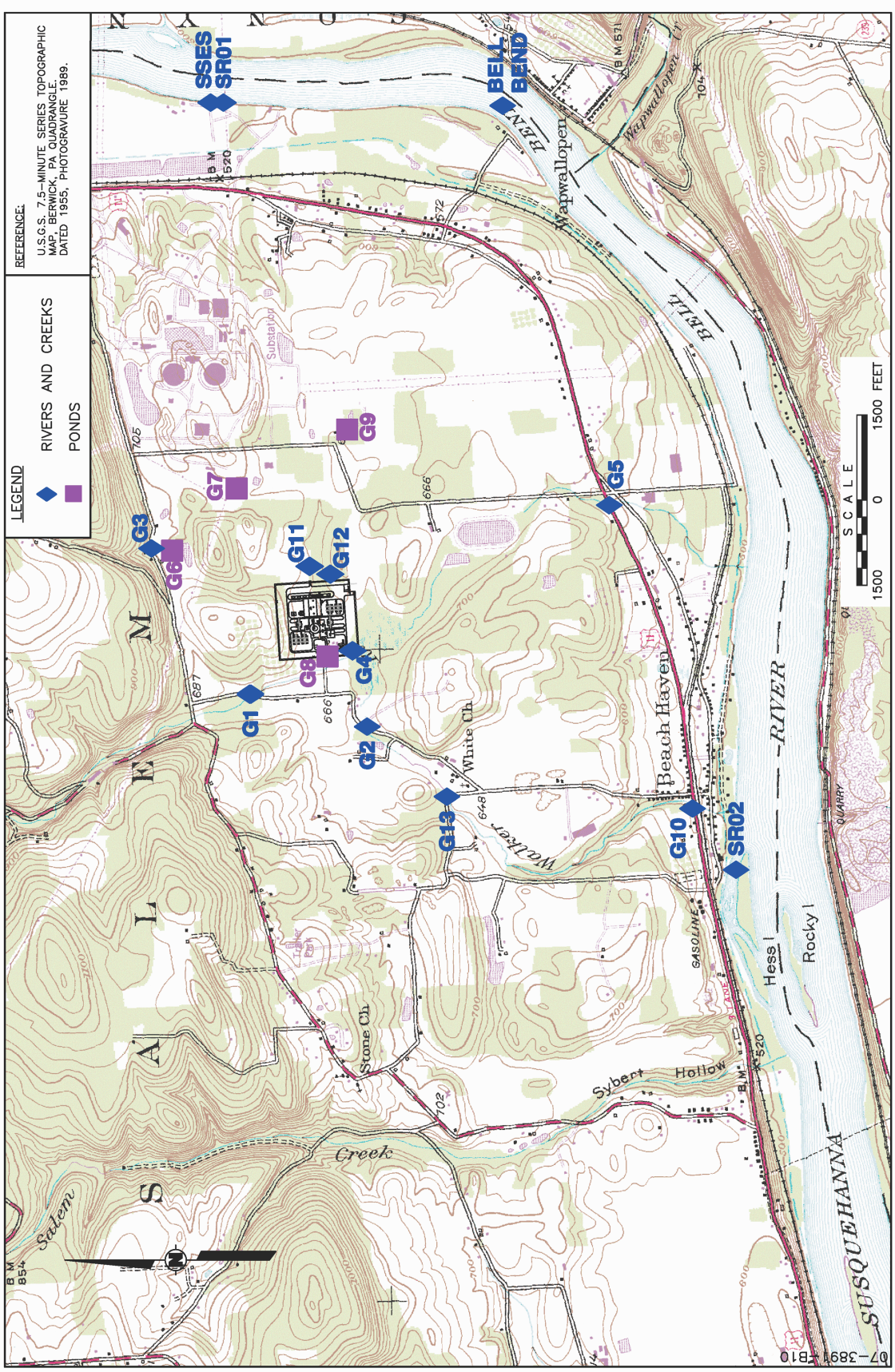

Figure 2.4-63 {Locations of BBNPP Surface Water Monitoring Stations}

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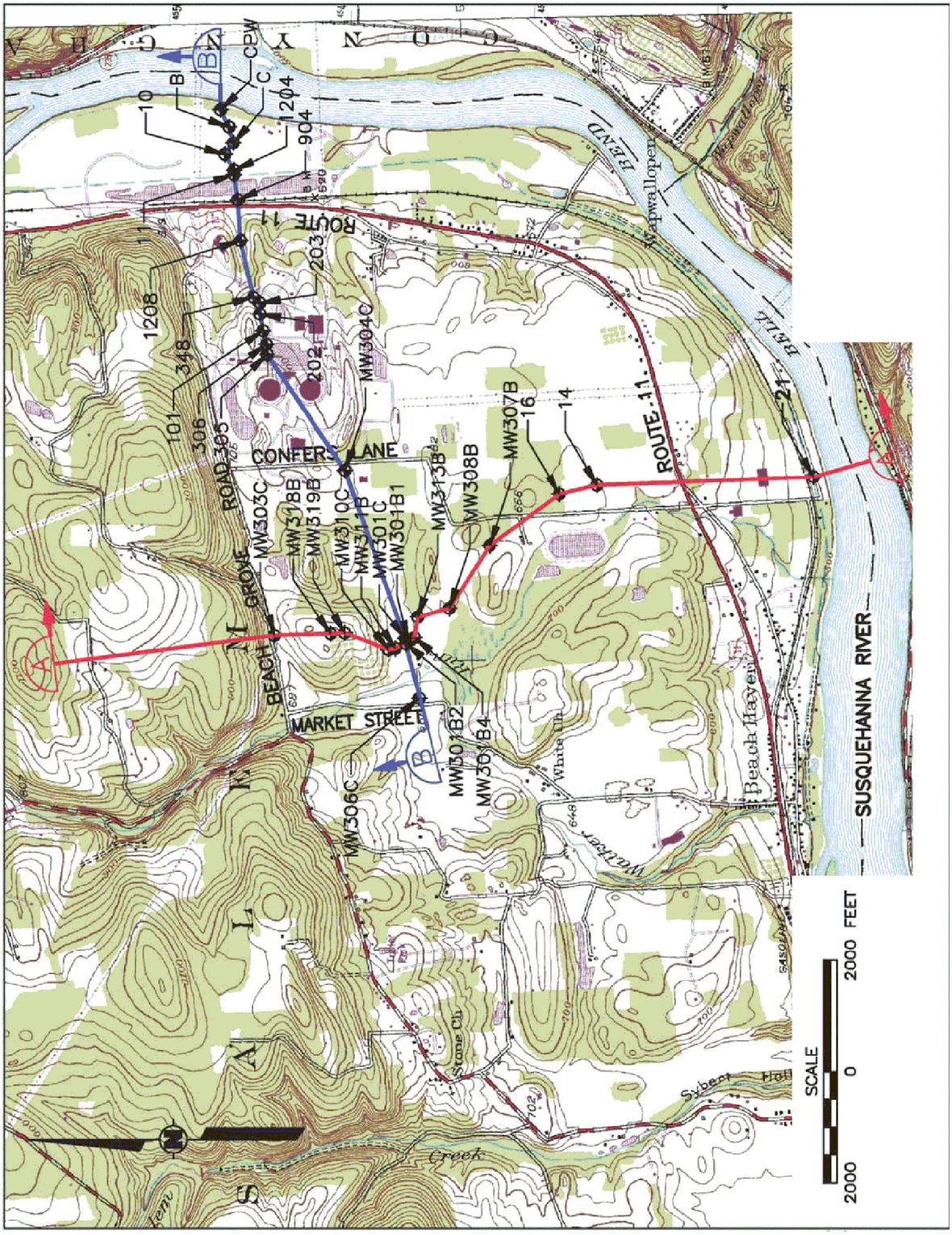

Figure 2.4-64 {Location of Hydrogeological Cross Sections}

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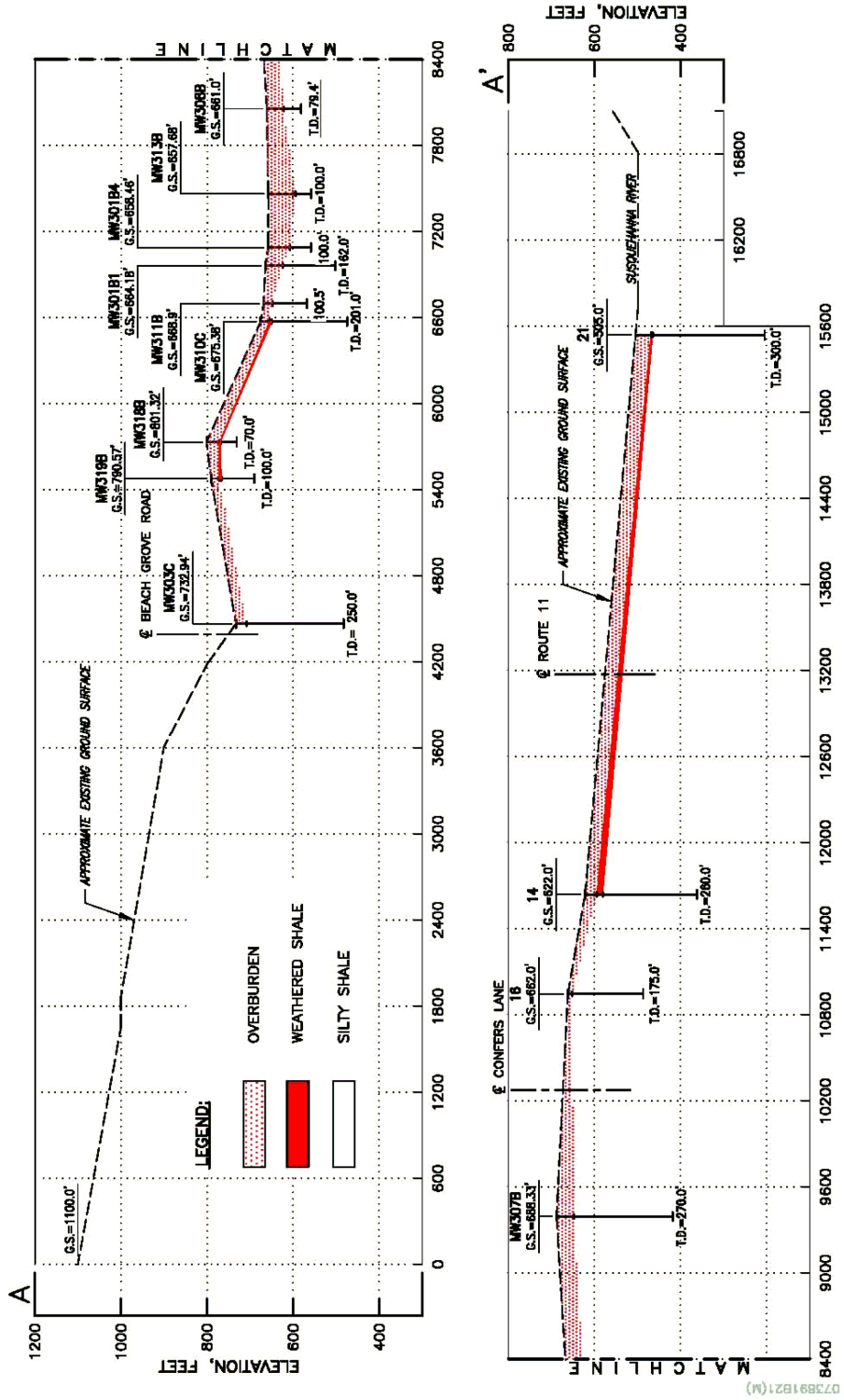

Figure 2.4-65 {Hydrogeological Cross Section A-A'}

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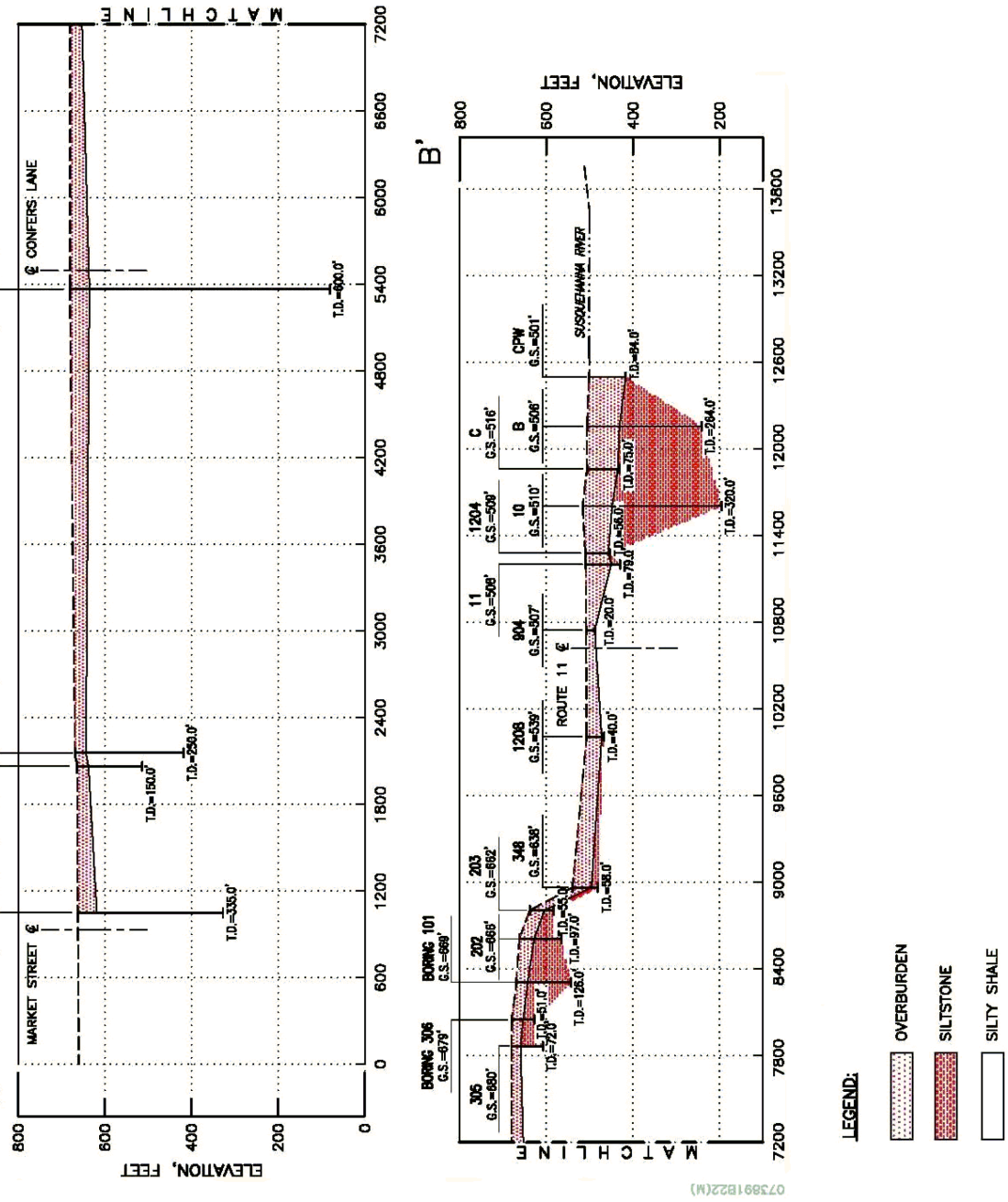

Figure 2.4-66 {Hydrogeological Cross Section B-B'}

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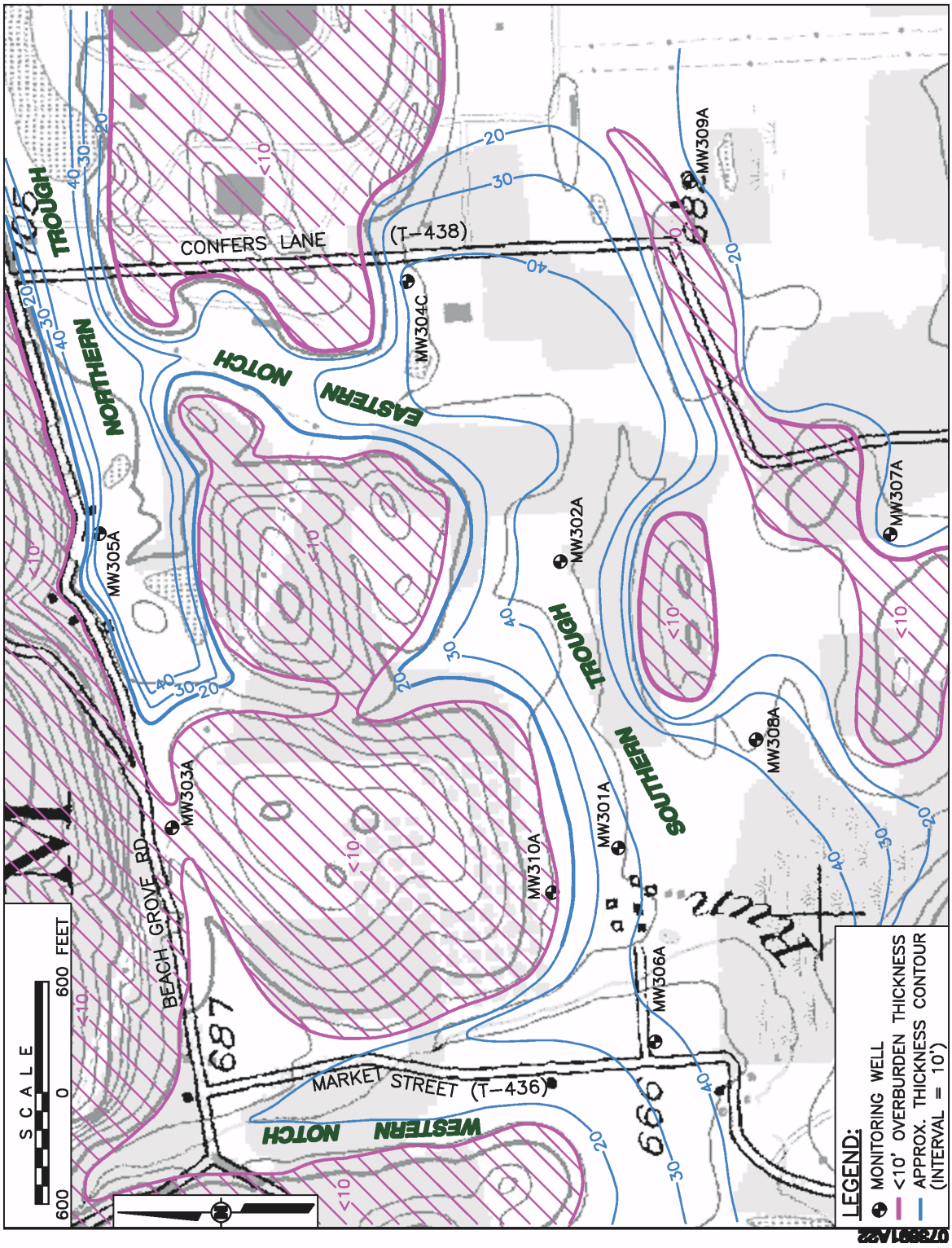

Figure 2.4-67 {Saturated Thickness Map of the Glacial Overburden Aquifer}

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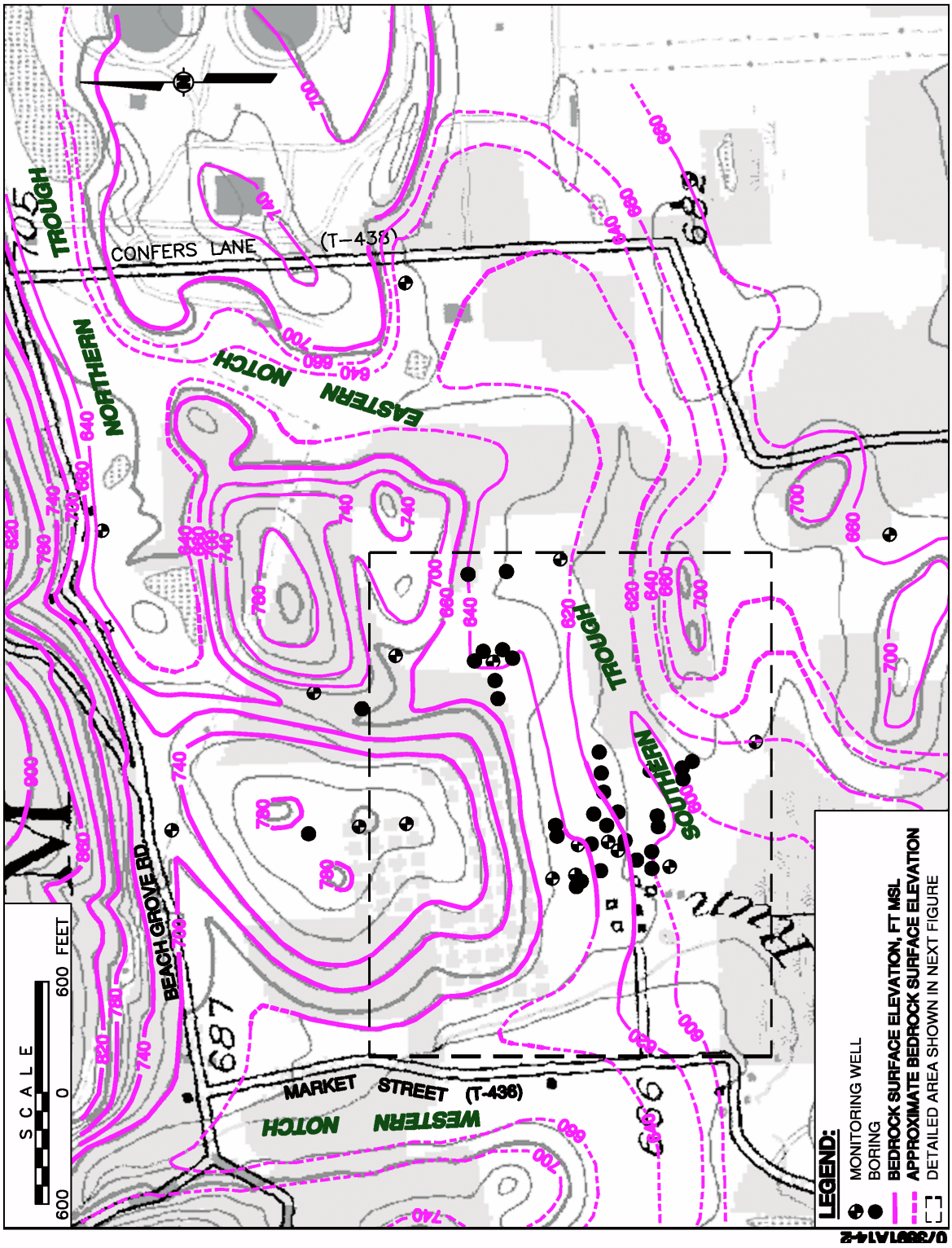

Figure 2.4-68 {Topography of the Bedrock Surface}

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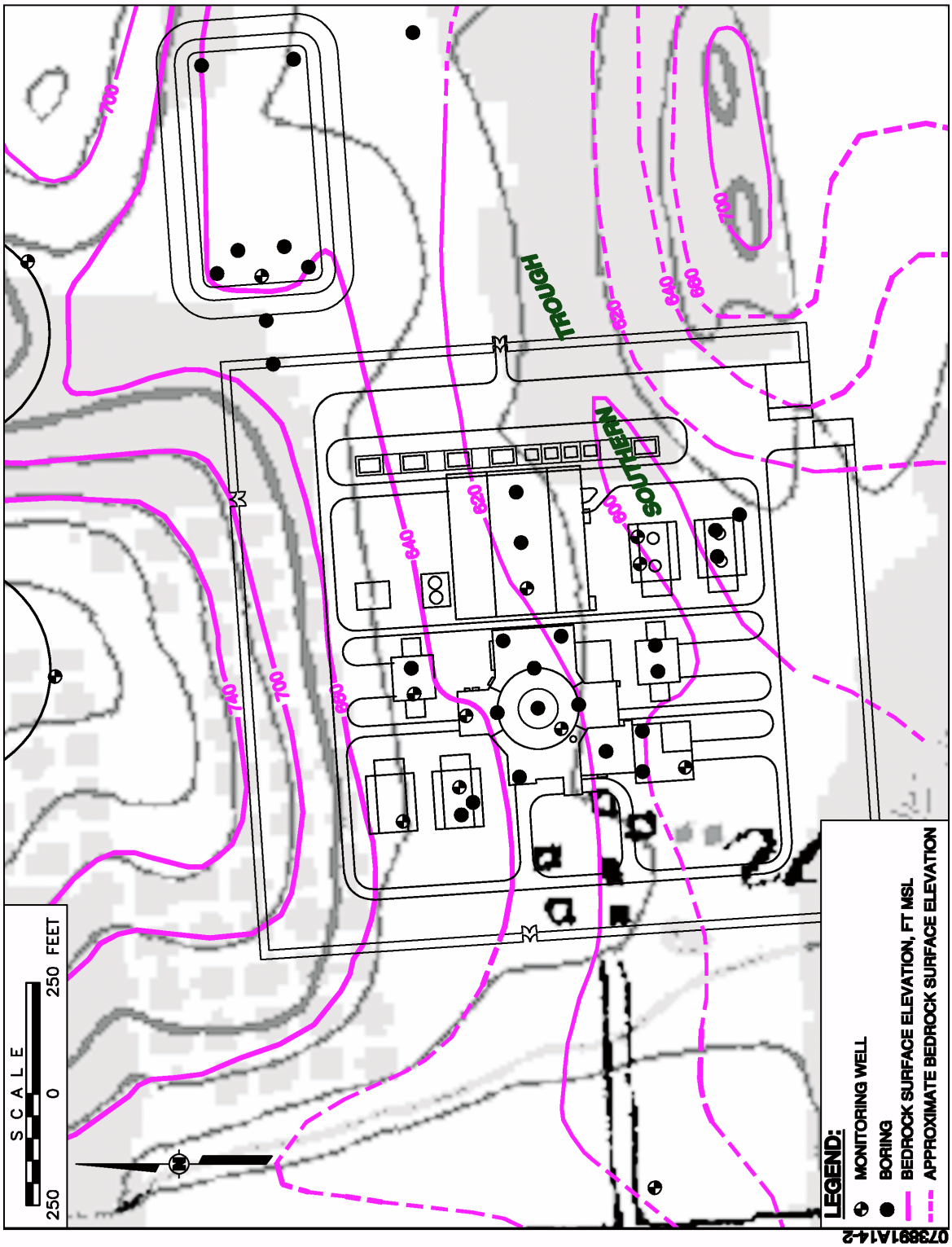

Figure 2.4-69 {Topography of the Bedrock Surface in the Power Block Area}

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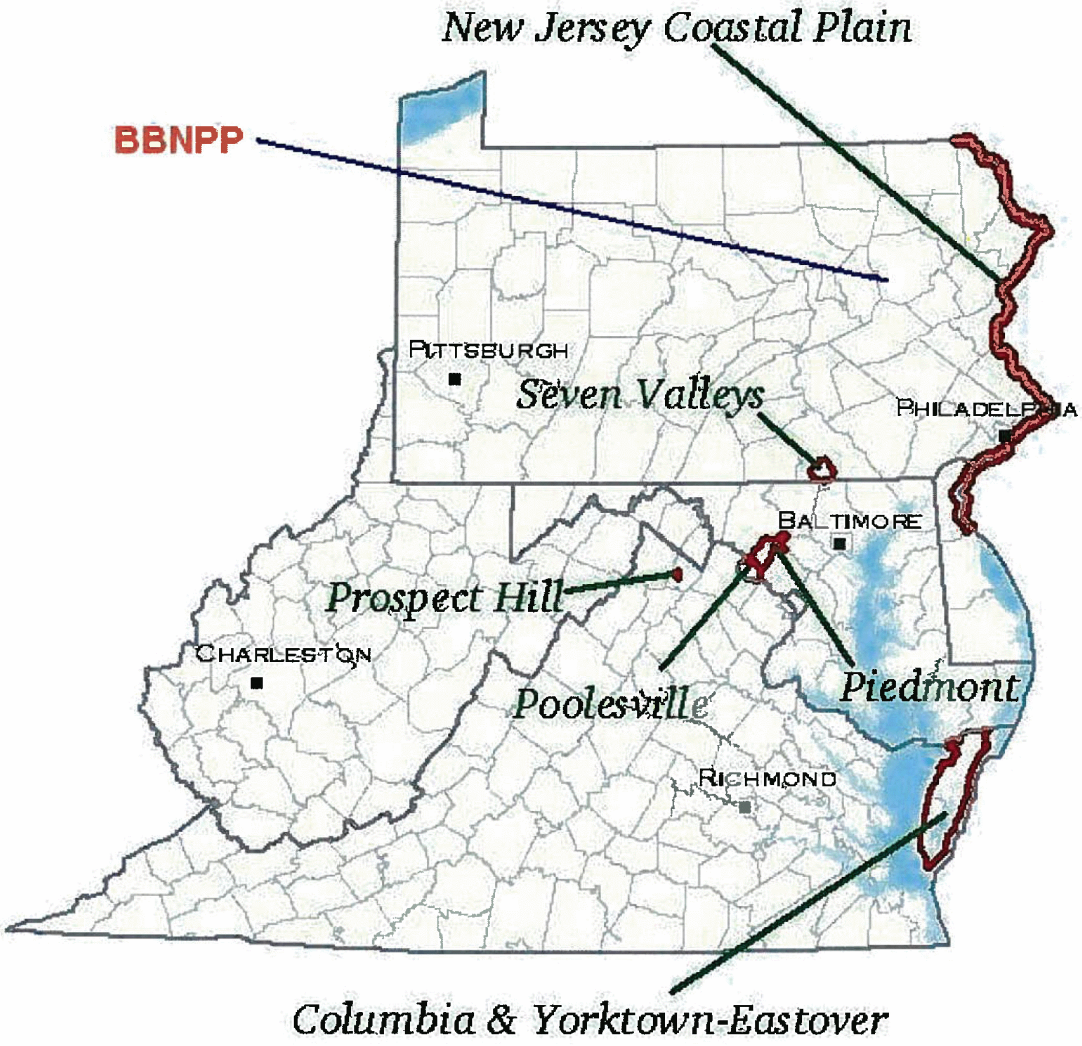
Figure 2.4-70 {Sole Source Aquifers Located in USEPA Region 3}



Reference: USEPA, 2008d

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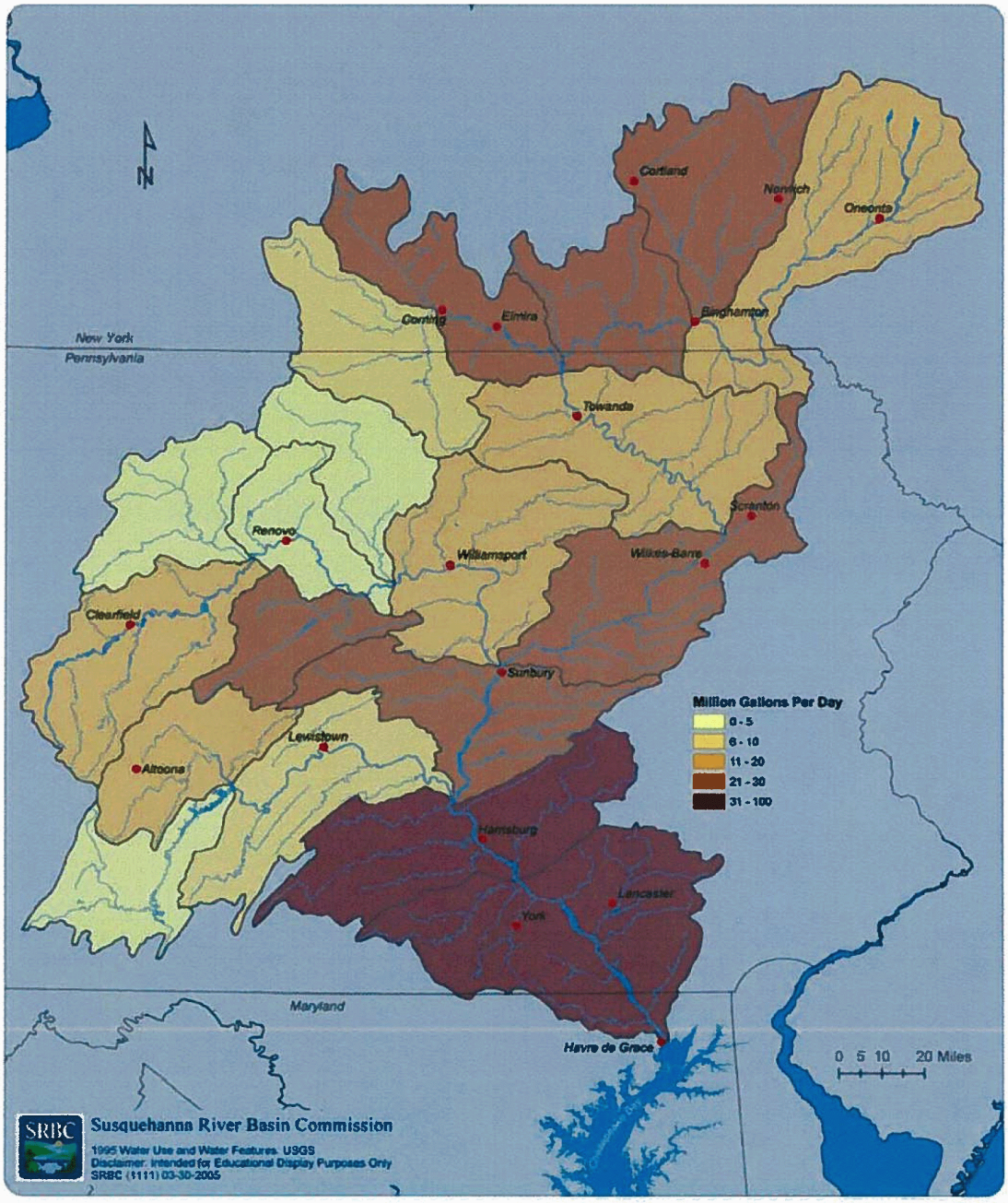
Figure 2.4-71 {Ground Water Use in the Susquehanna River Basin 1995}



Reference: SRBC, 2005

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Figure 2.4-72 {Ground Water Well Locations within a 25-Mile (40 km) Radius (PaGWIS Data)}

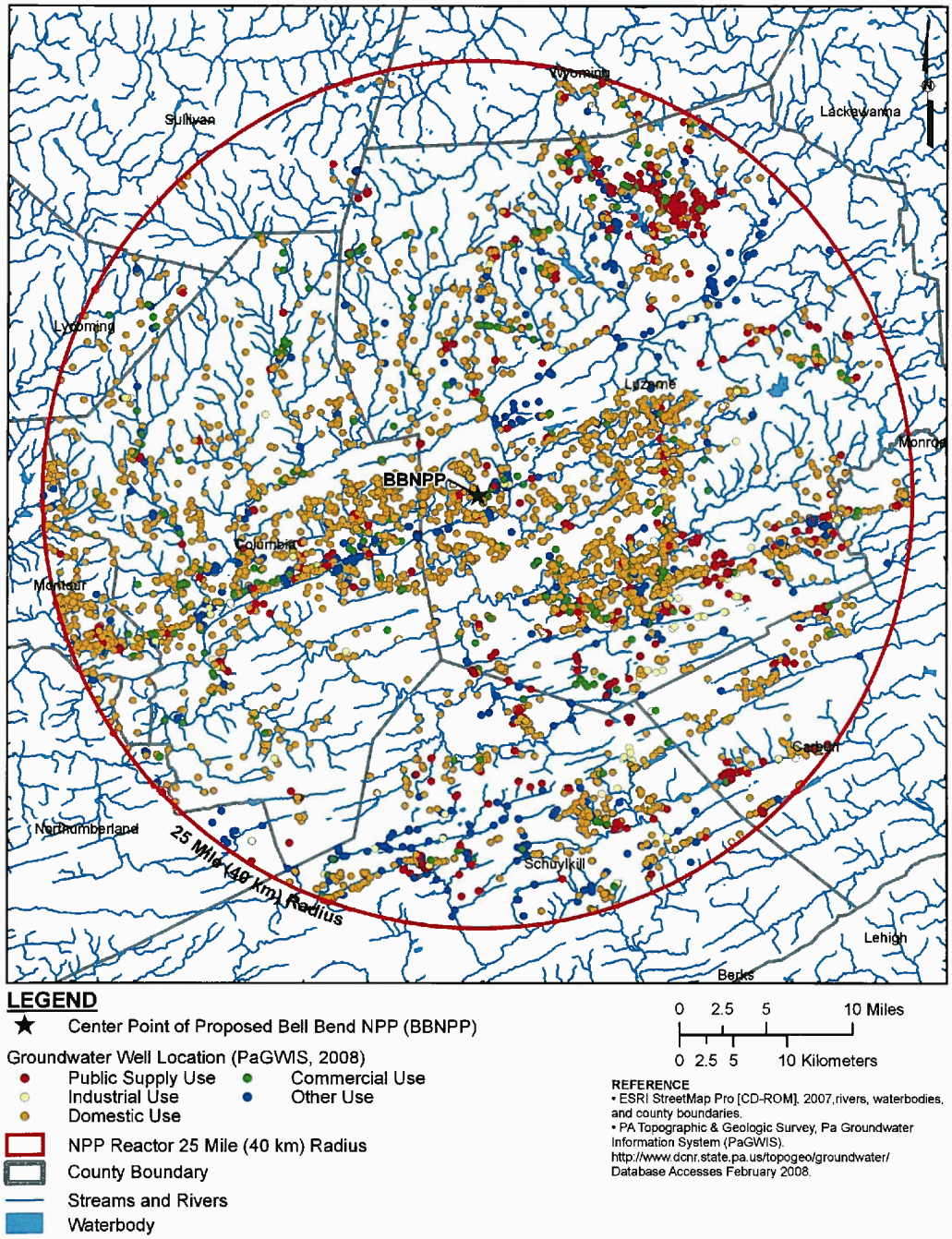

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Figure 2.4-73 {Ground Water Well Locations within a 5 Mile (80 km) Radius (PaGWIS Data)}

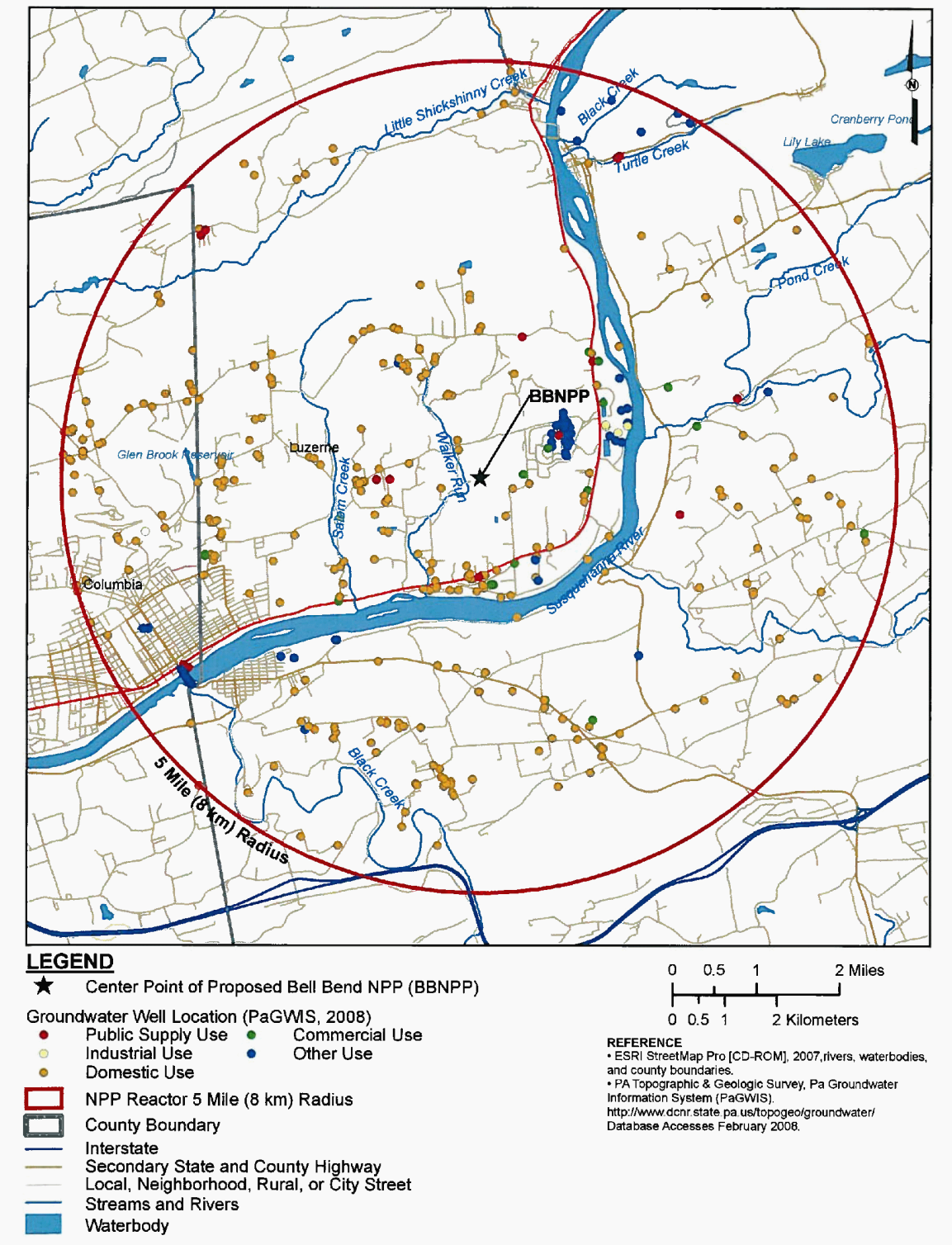

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Figure 2.4-74 {Ground Water Withdrawal within a 25-Mile (40-km) Radius (PaGWIS Data)}

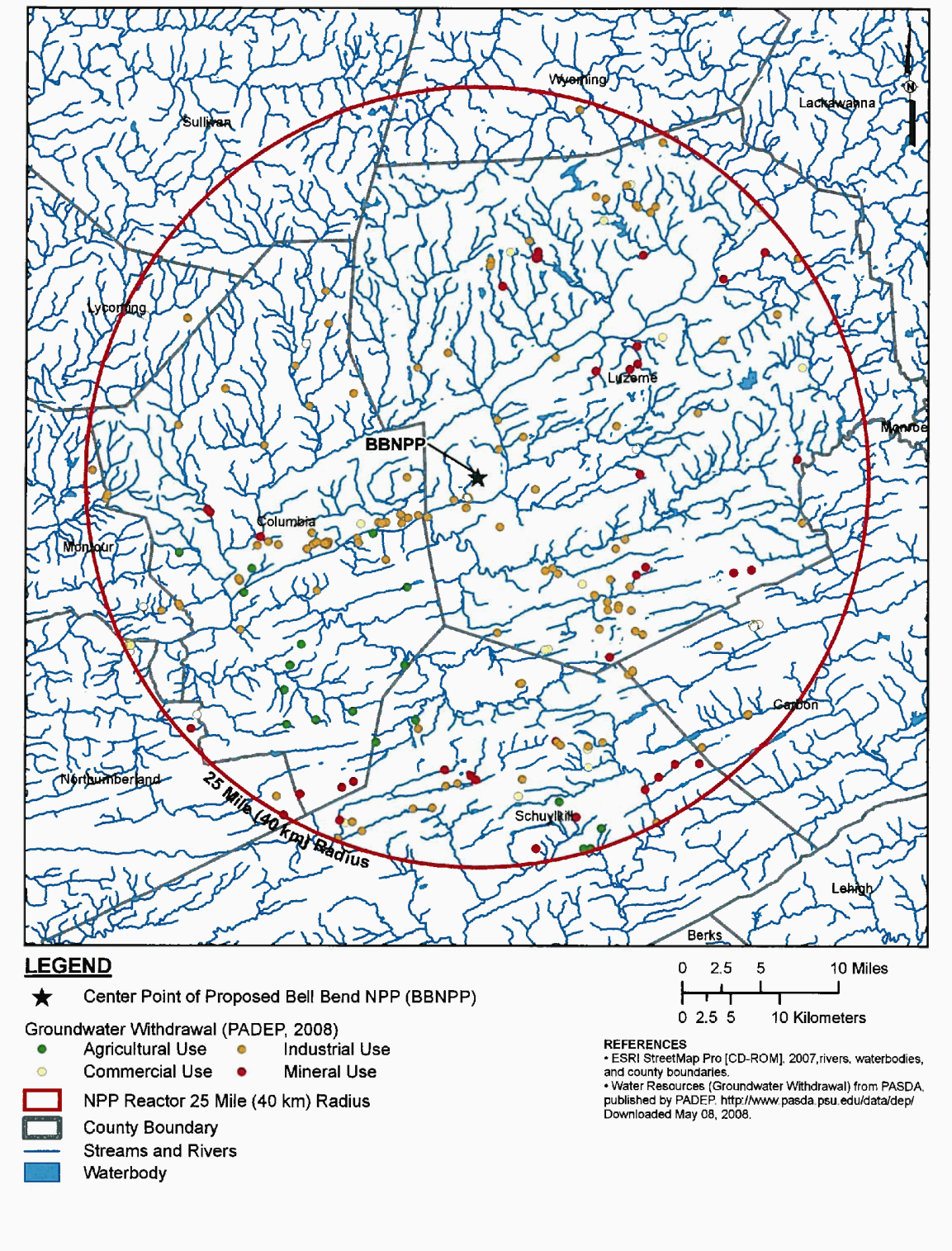

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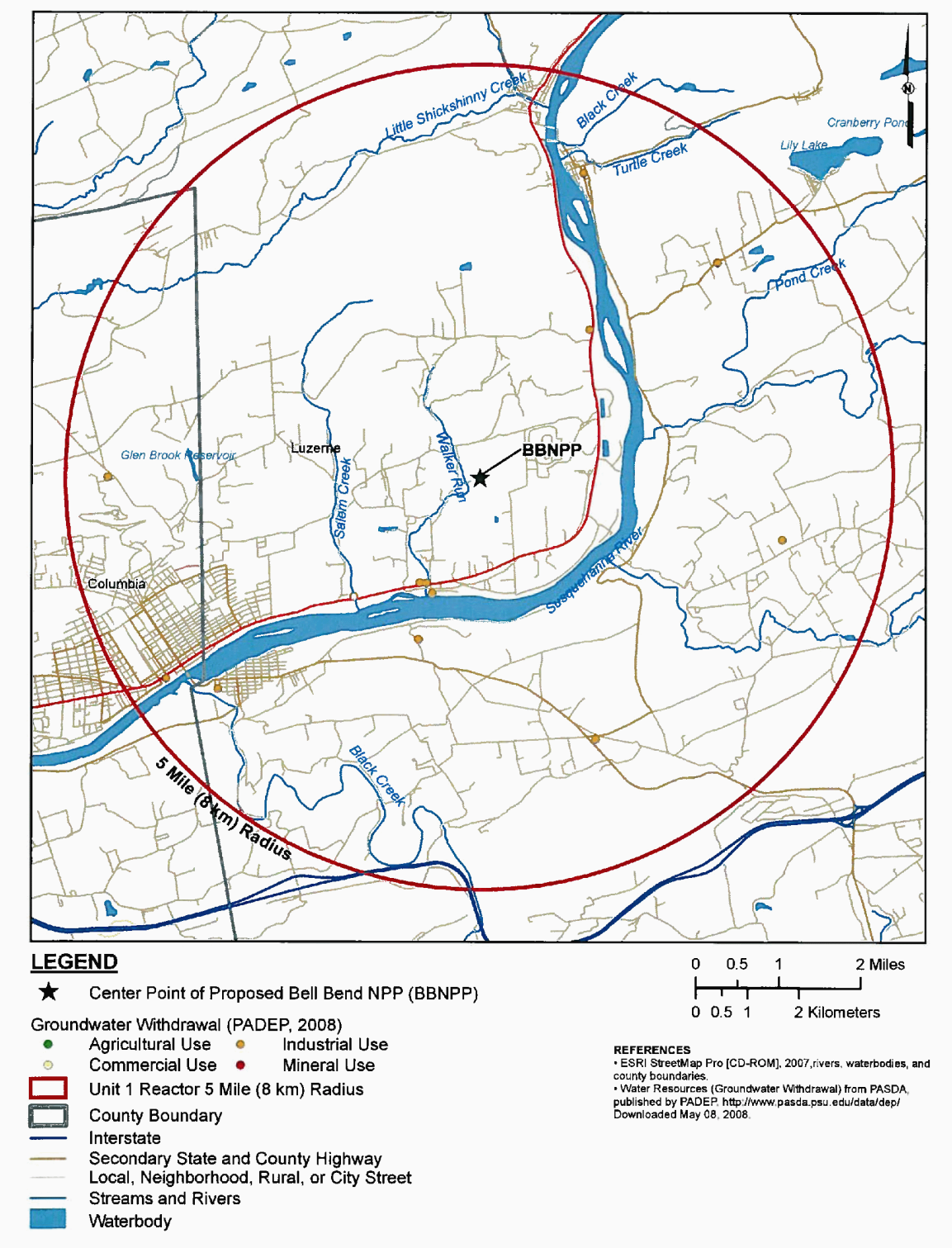
Figure 2.4-75 {Ground Water Withdrawal within a 5-Mile (8-km) Radius (PaDEP Data)}



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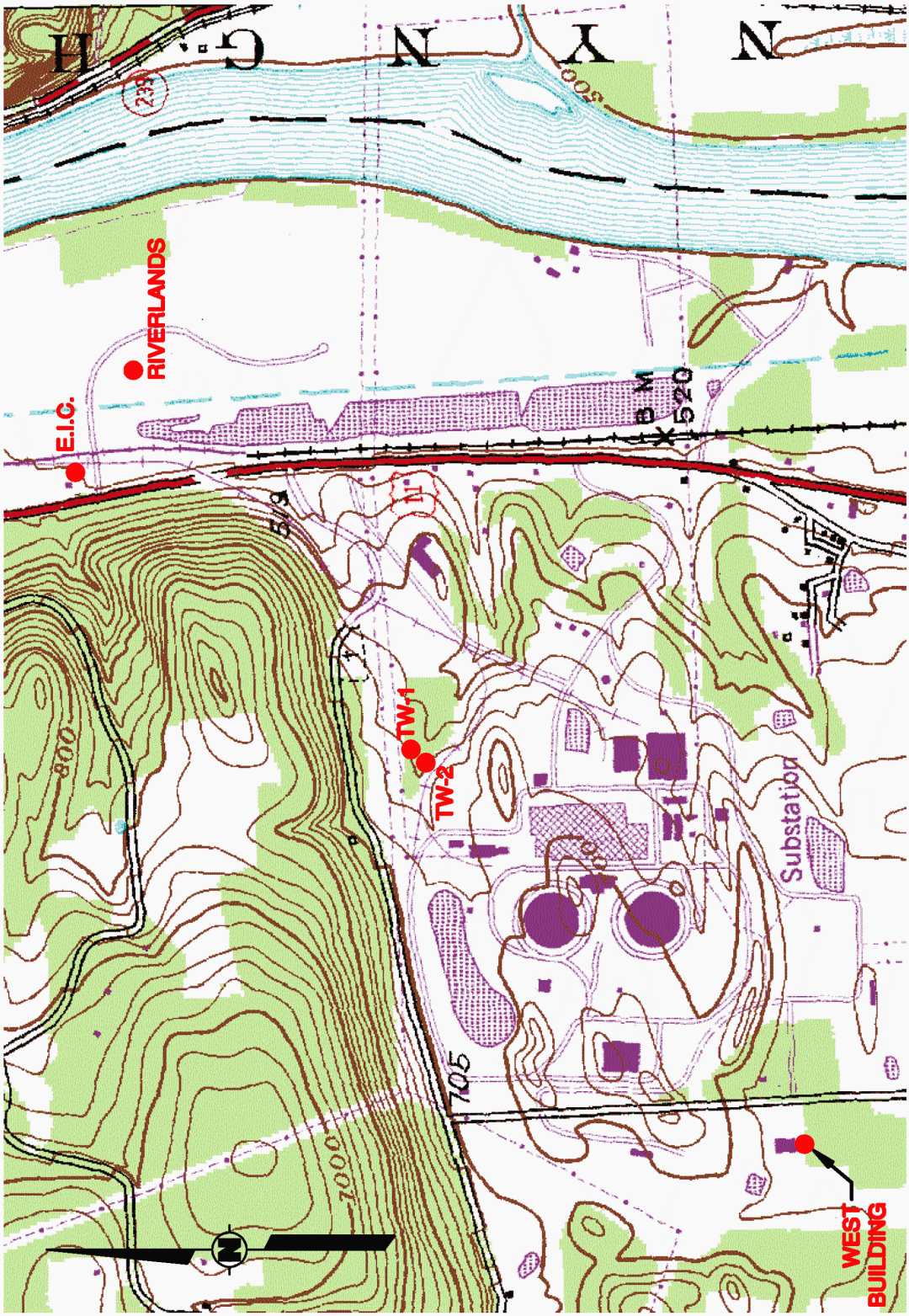

Figure 2.4-76 {Ground Water Production Wells at SSES}

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Figure 2.4-77 {Potentially Stressed Areas and Water Challenged Areas in the Susquehanna River Basin}

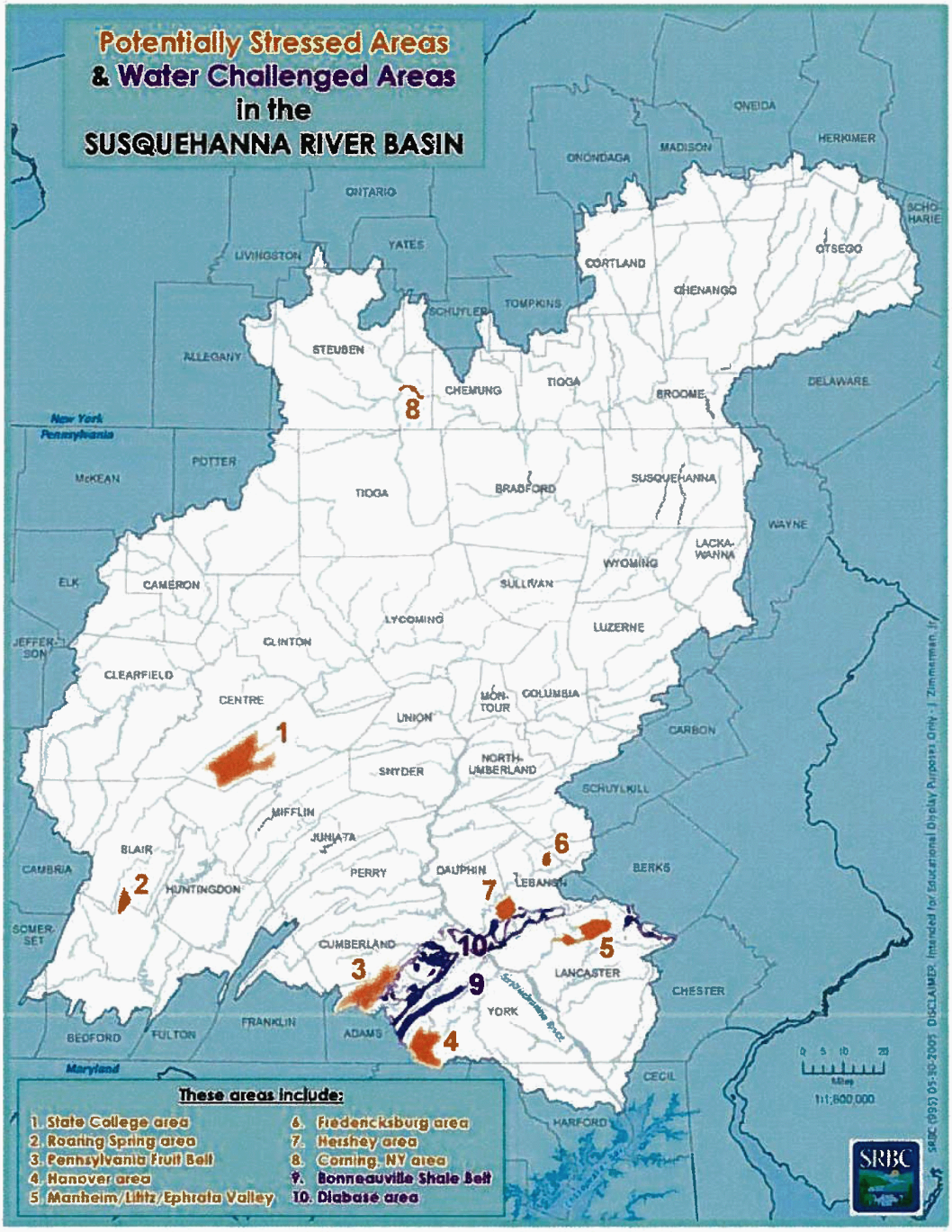

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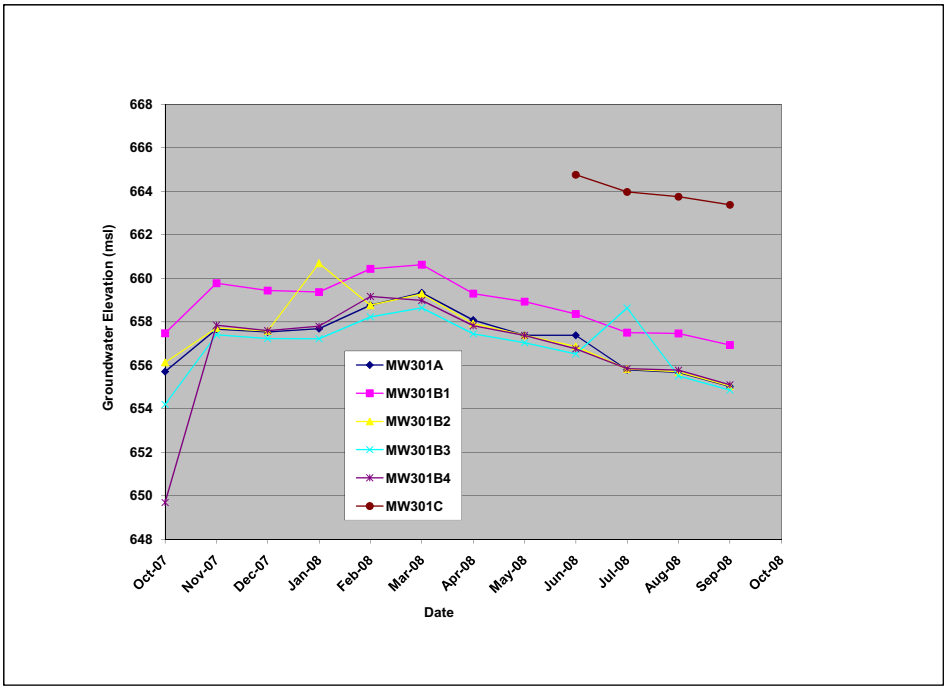
Figure 2.4-78 {Ground Water Elevations versus Time, Well Clusters MW301 and MW302}



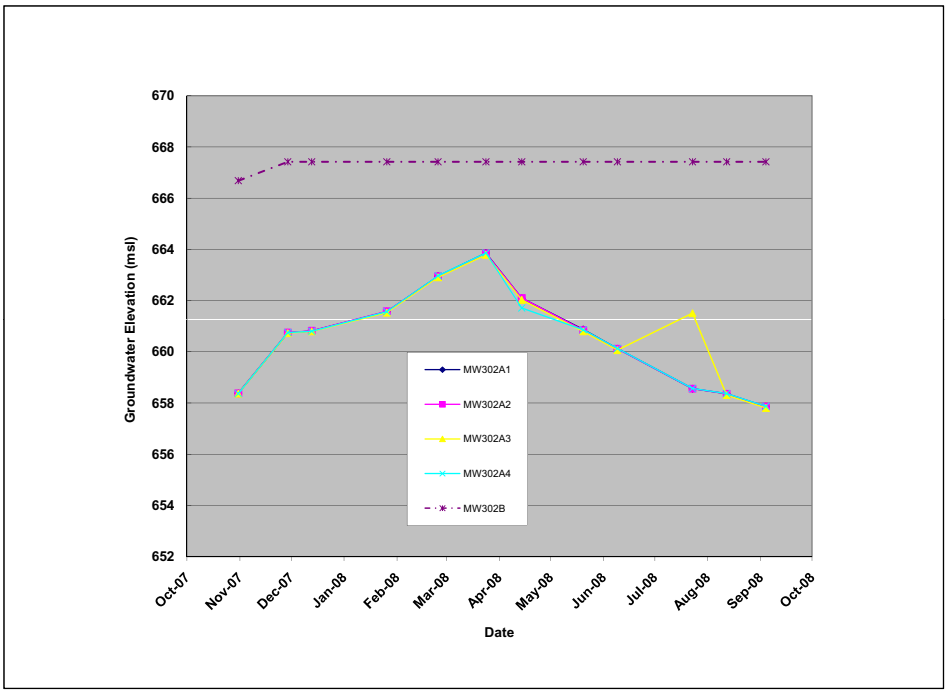


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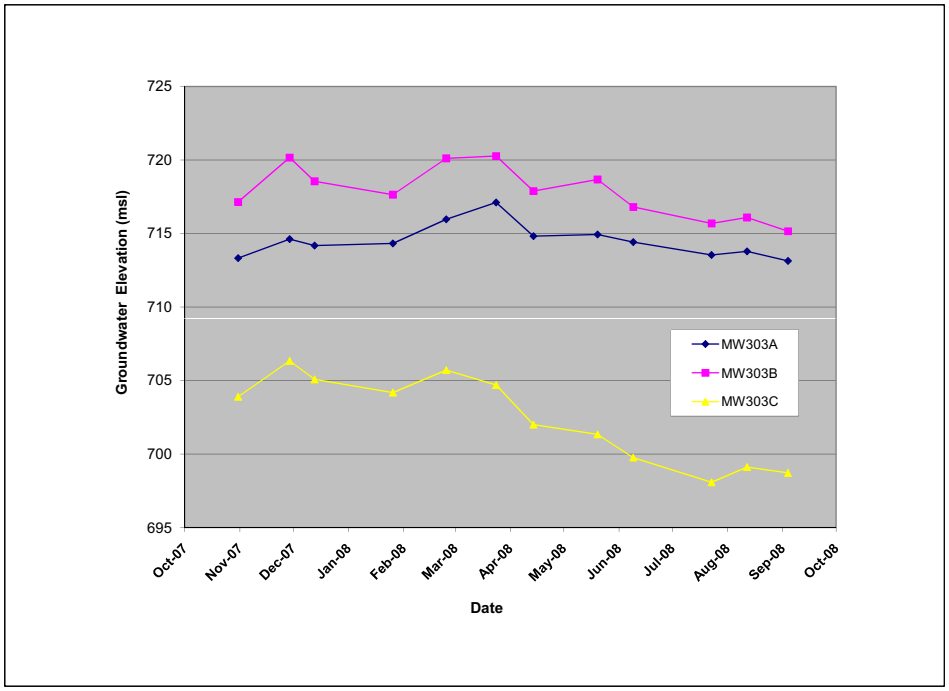
Figure 2.4-79 {Ground Water Elevations versus Time, Well Clusters MW303 and MW304}



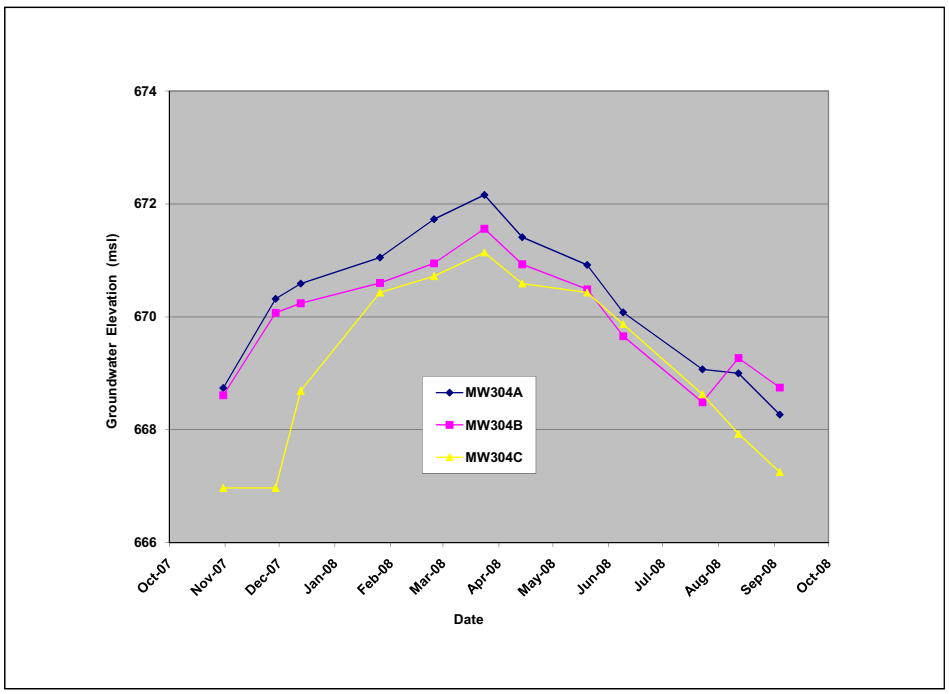


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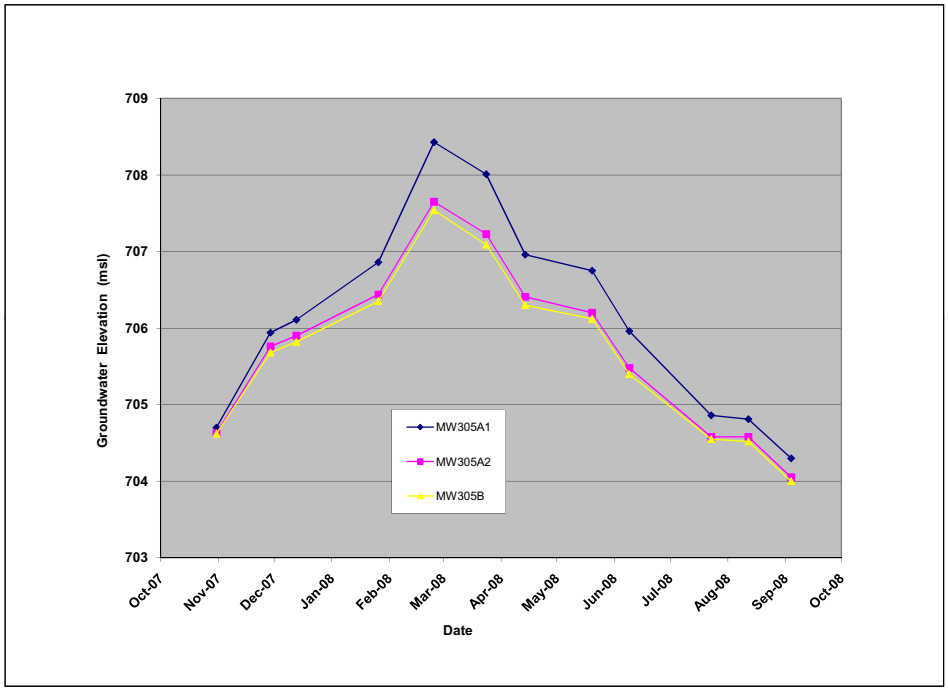
Figure 2.4-80 {Ground Water Elevations versus Time, Well Clusters MW305 and MW306}



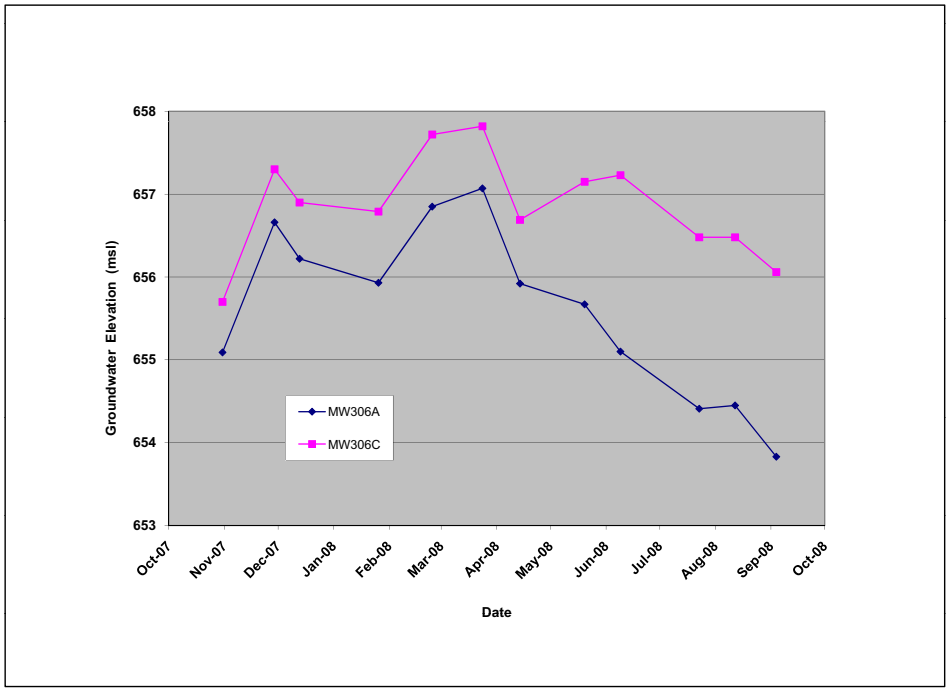


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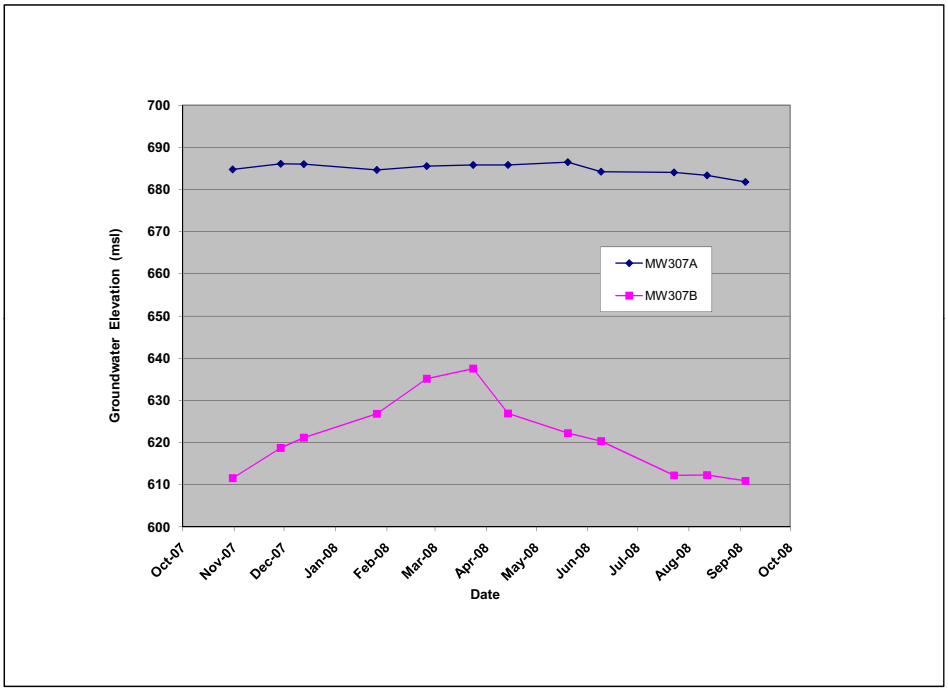
Figure 2.4-81 {Ground Water Elevations versus Time, Well Clusters MW307 and MW308}



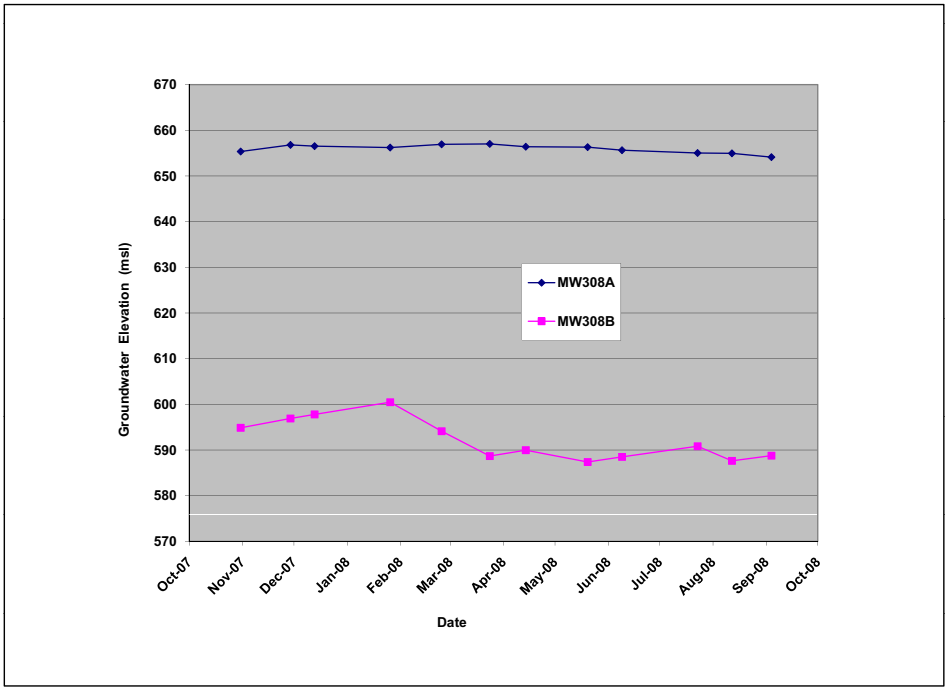


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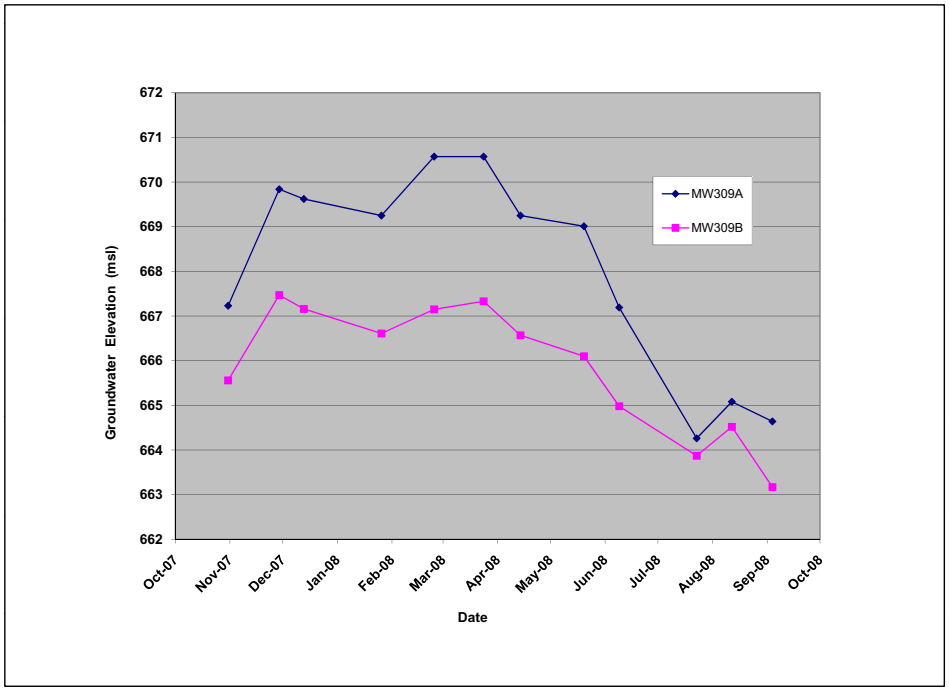
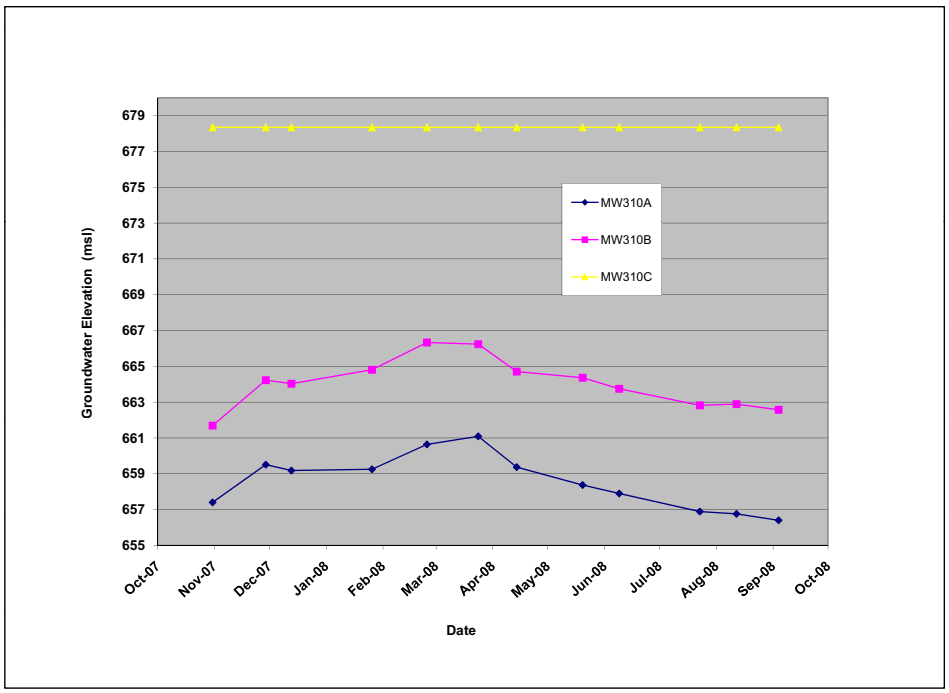
Figure 2.4-82 {Ground Water Elevations versus Time, Well Clusters MW309 and MW310}





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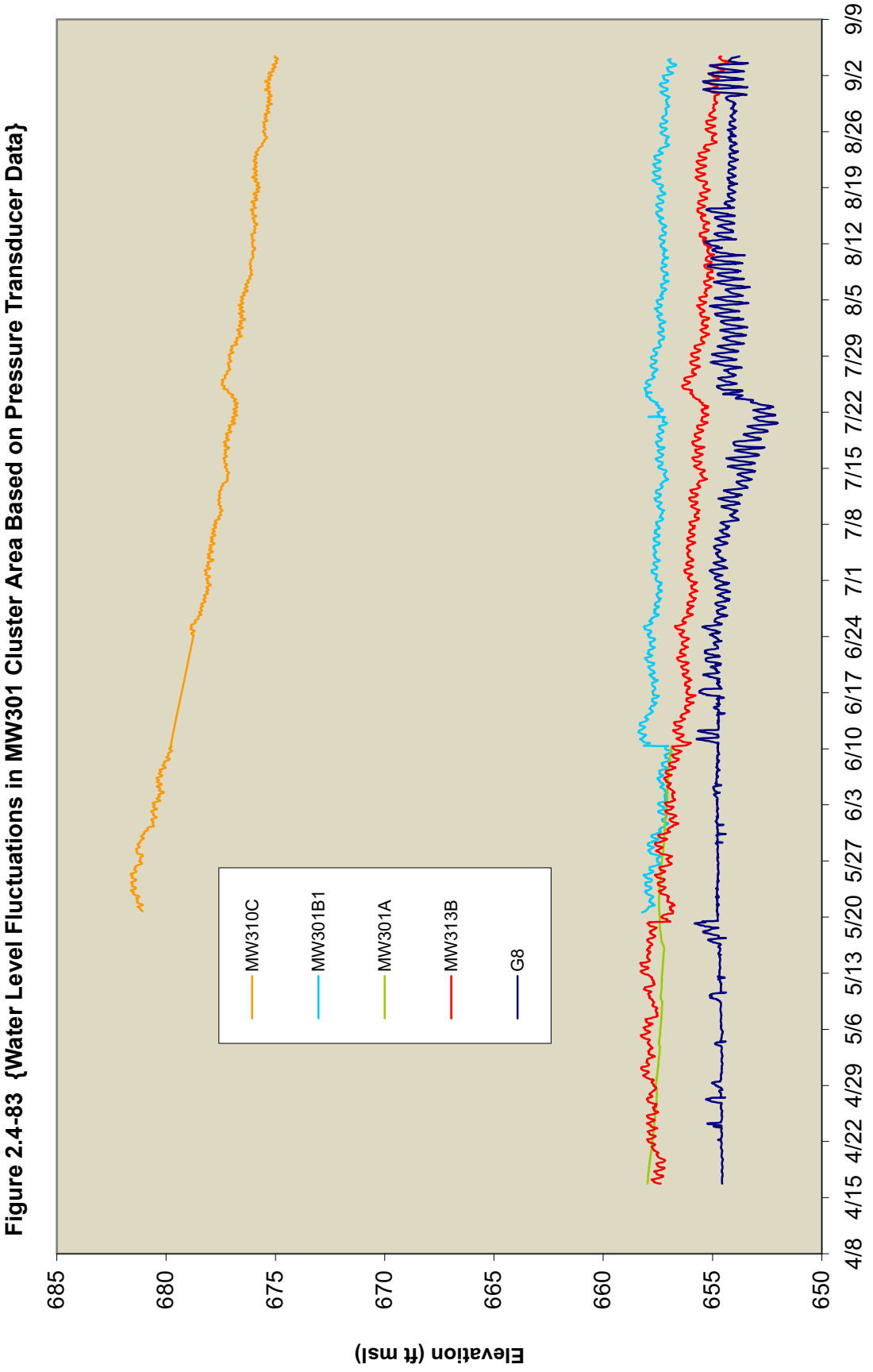

Figure 2.4-83 {Water Level Fluctuations in MW301 Cluster Area Based on Pressure Transducer Data}

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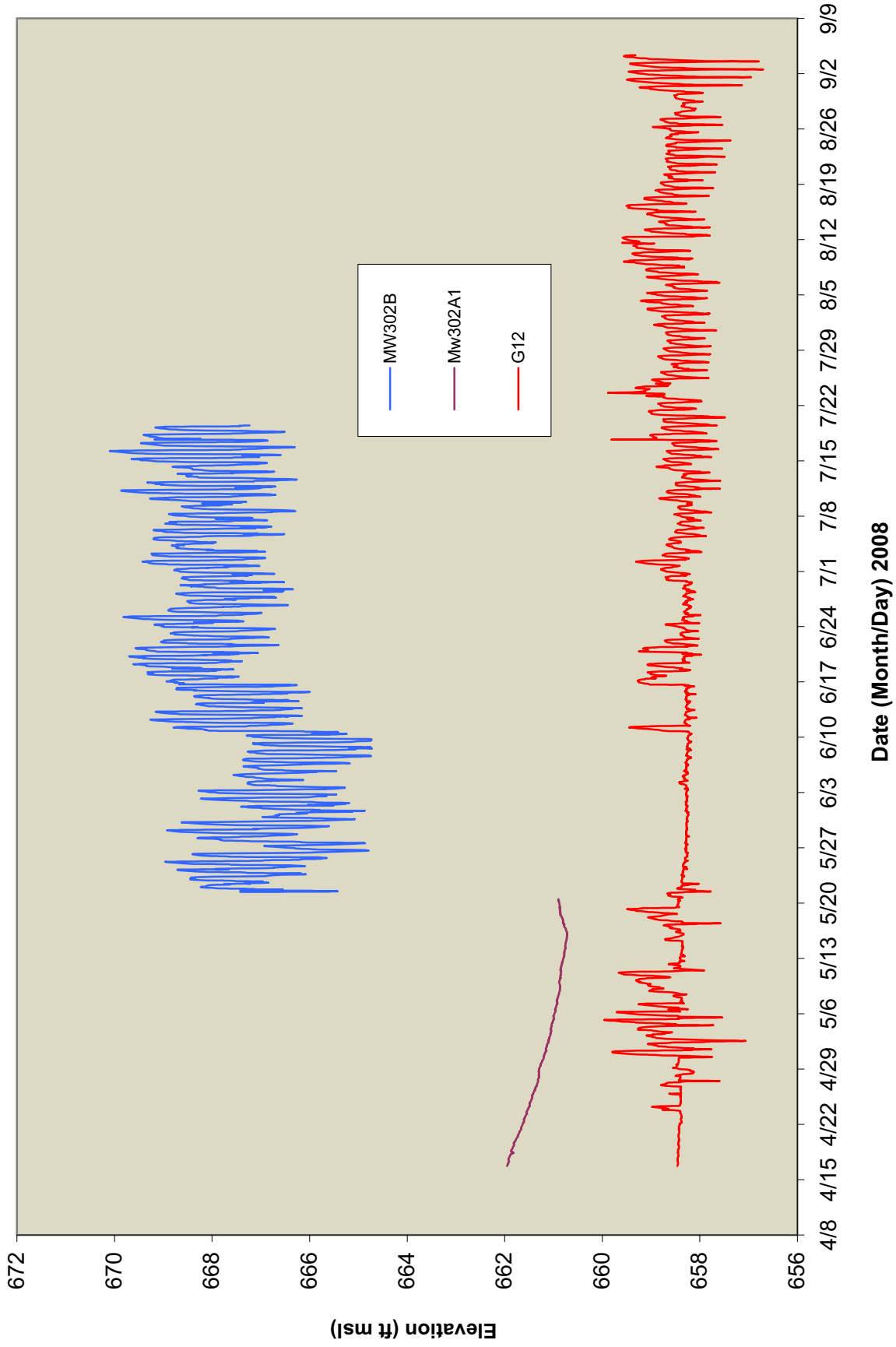

Figure 2.4-84 {Water Level Fluctuations in MW302 Cluster Area Based on Pressure Transducer Data}

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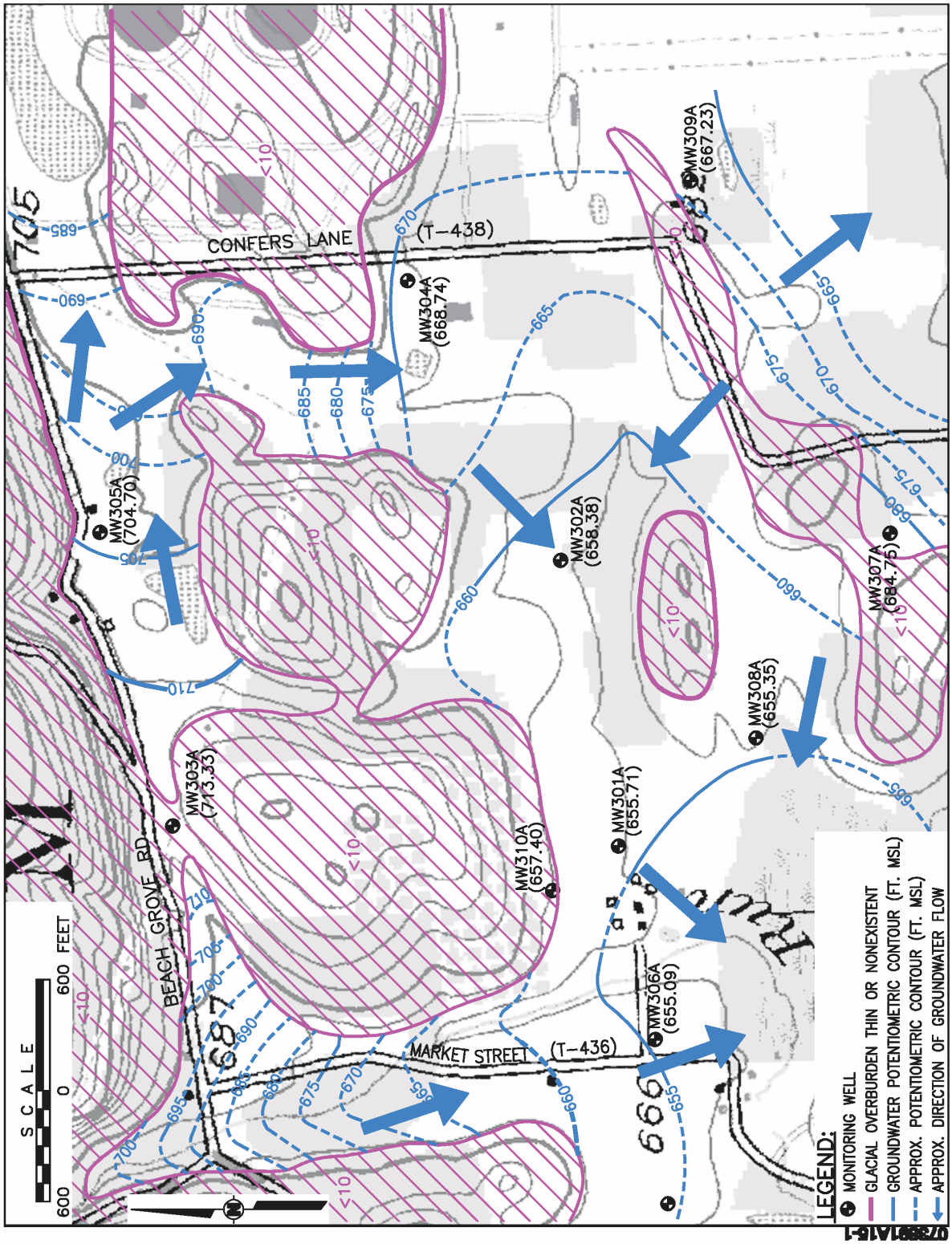

Figure 2.4-85 {Potentiometric Surface Map of Glacial Overburden Aquifer, October 2007}

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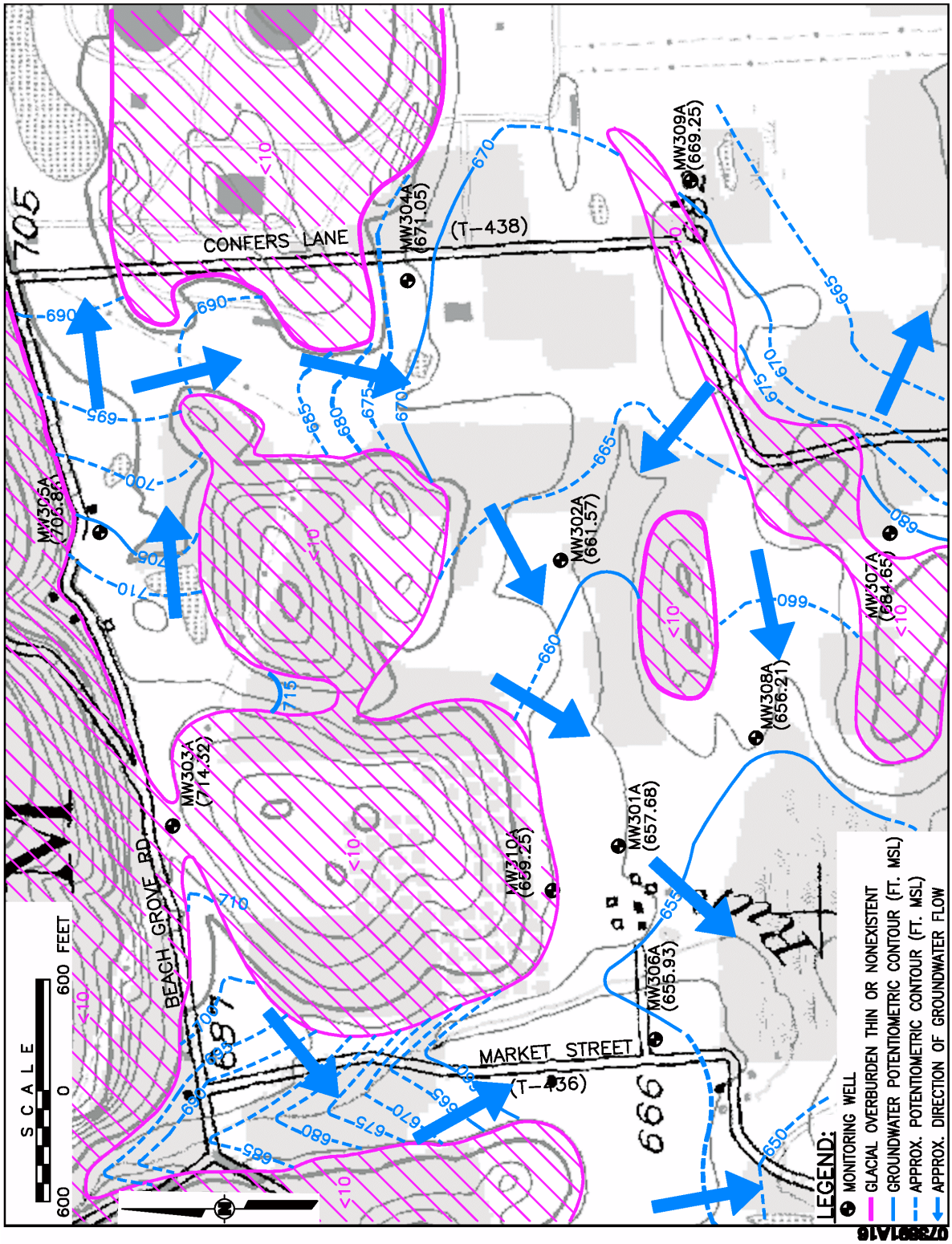

Figure 2.4-86 {Potentiometric Surface Map of Glacial Overburden Aquifer, January 2008}

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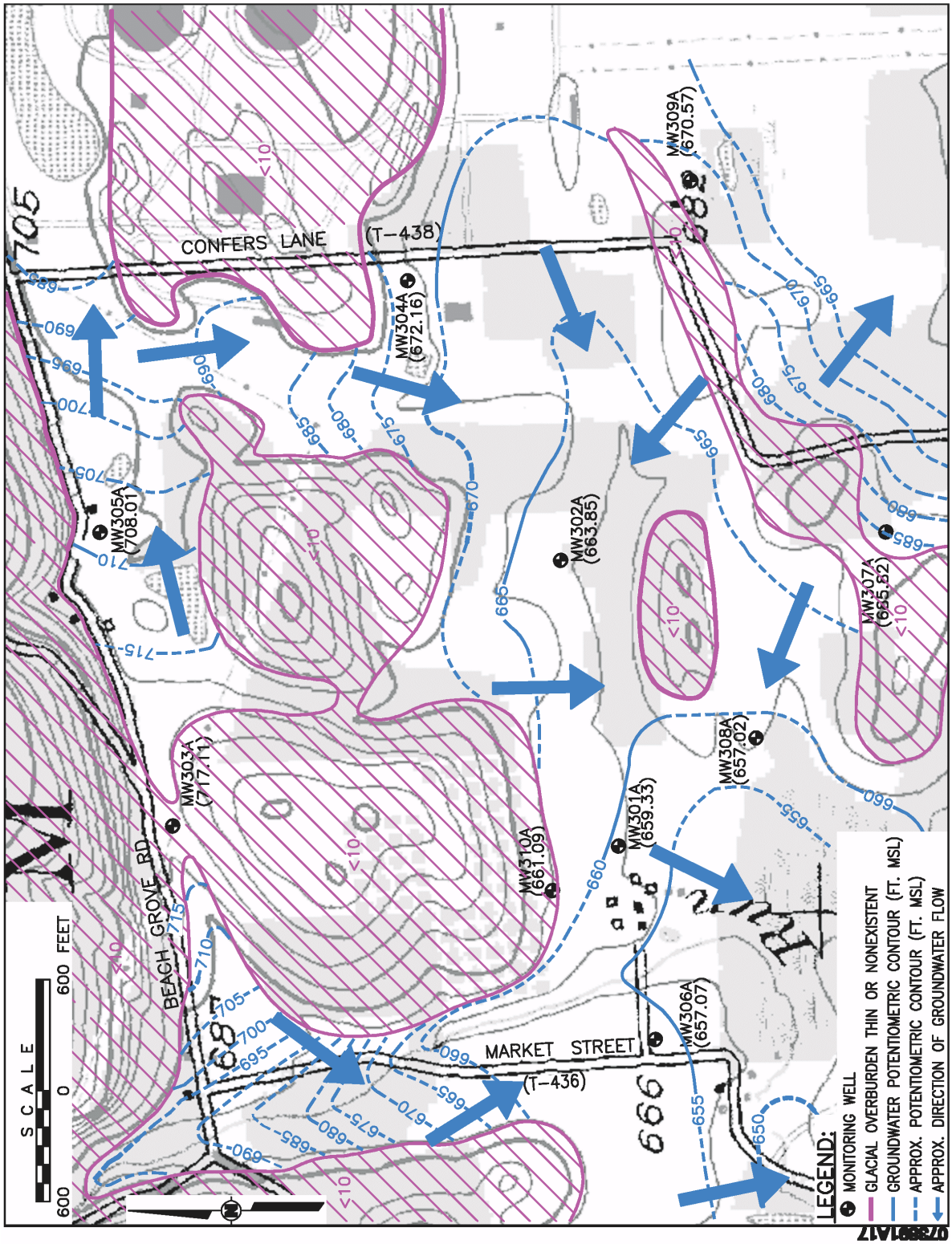

Figure 2.4-87 {Potentiometric Surface Map of Glacial Overburden Aquifer, March 2008}

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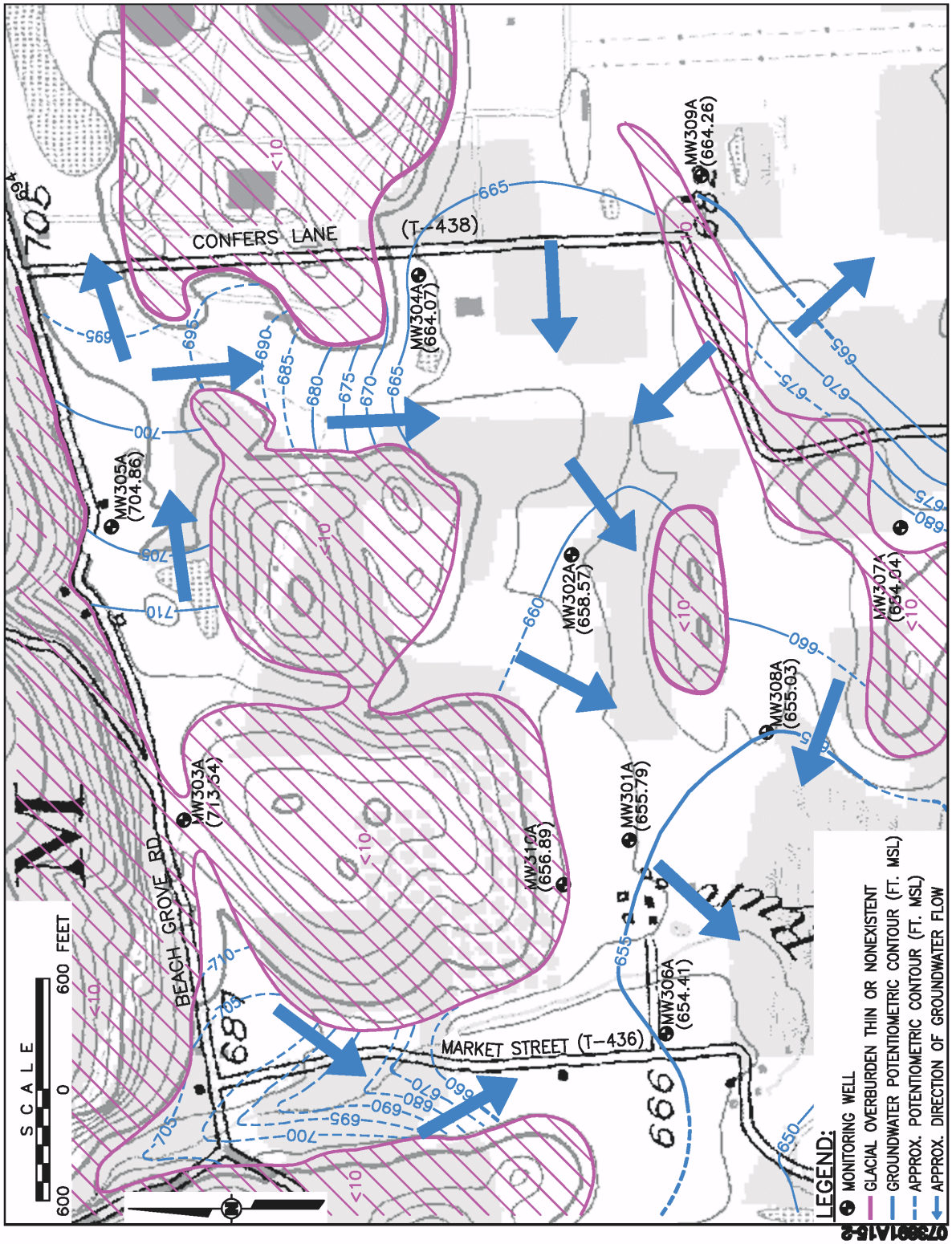

Figure 2.4-88 {Potentiometric Surface Map of Glacial Overburden Aquifer, July 2008}

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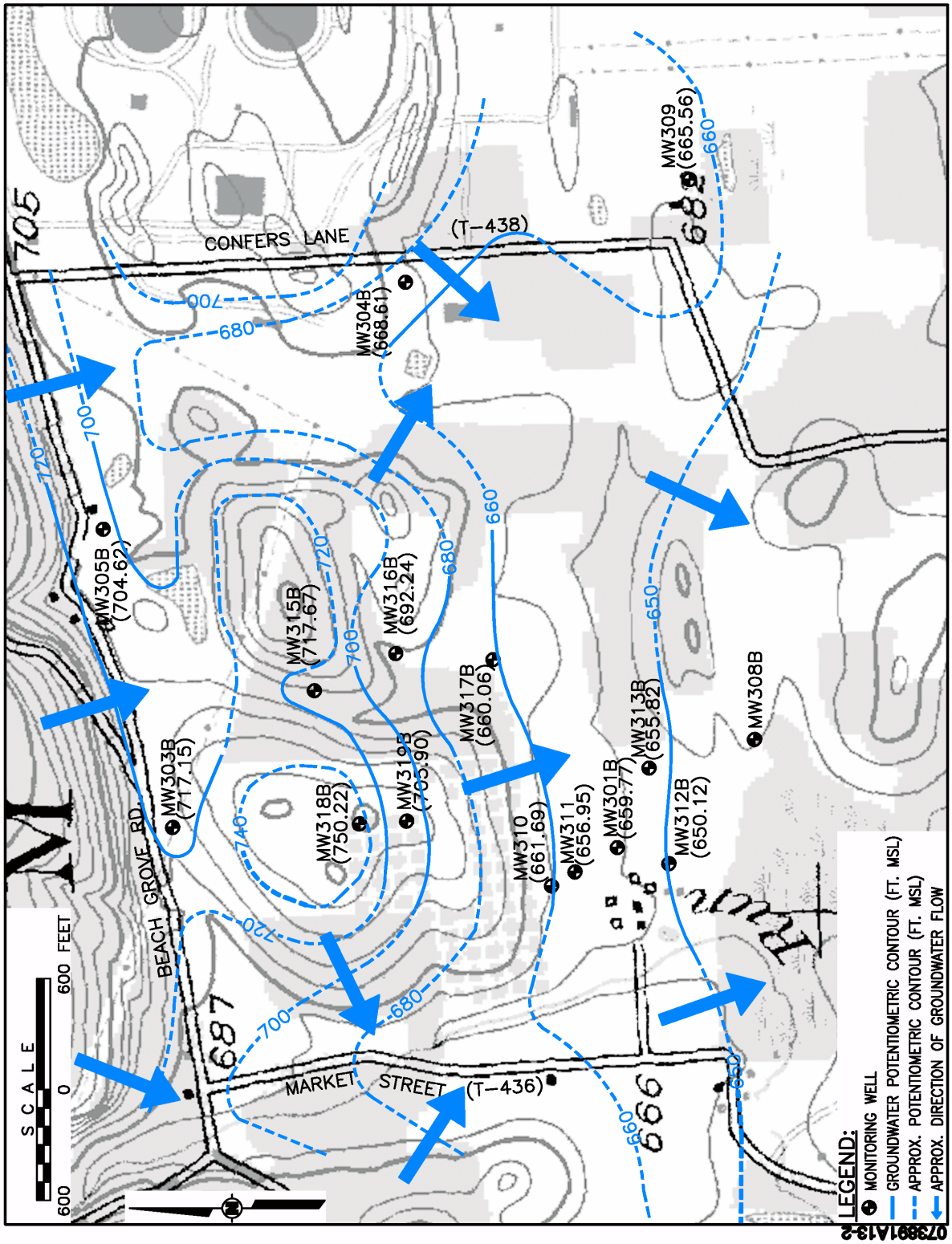

Figure 2.4-89 {Potentiometric Surface Map of Shallow Bedrock Aquifer, October 2007}

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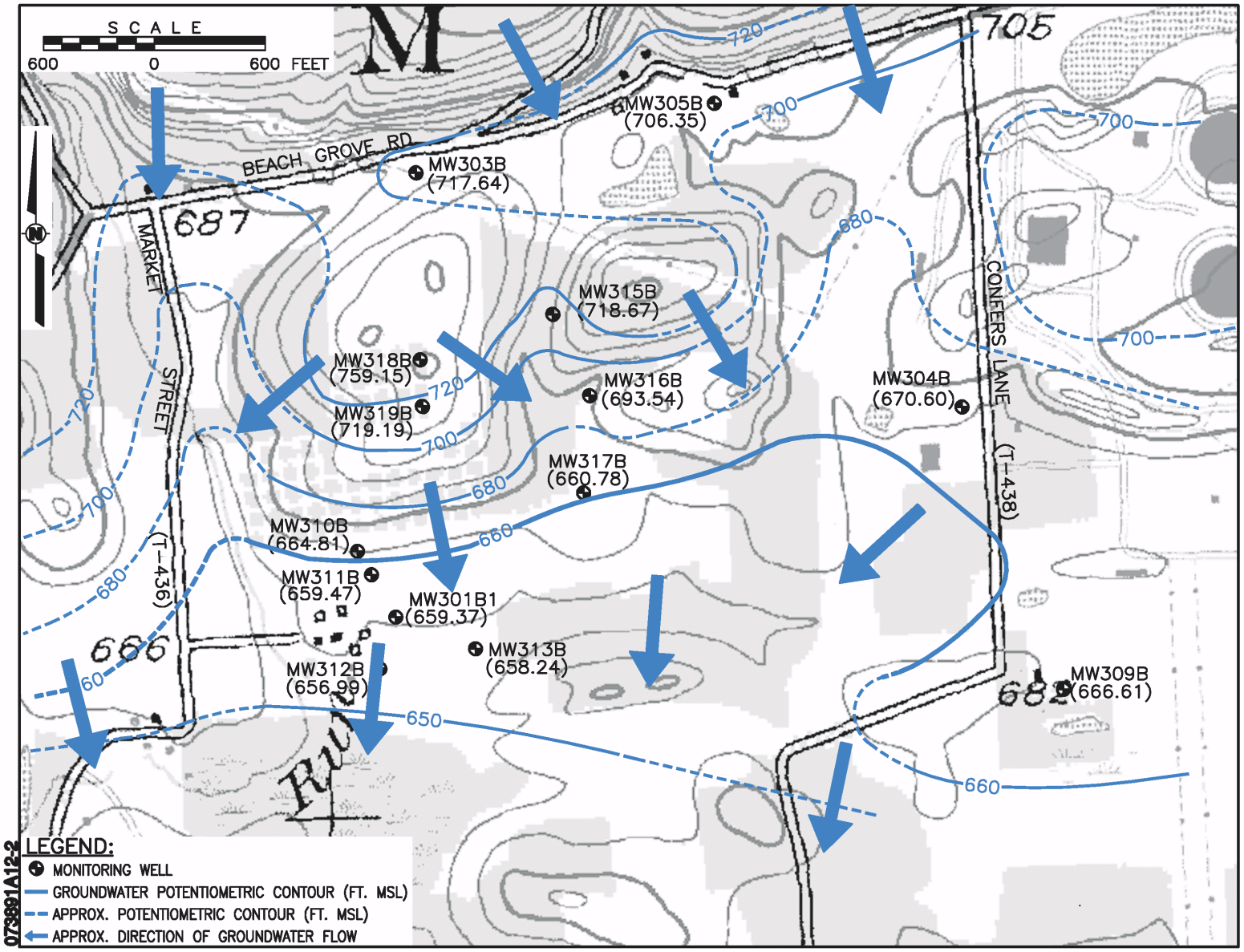
Figure 2.4-90 {Potentiometric Surface Map of Shallow Bedrock Aquifer, January 2008}



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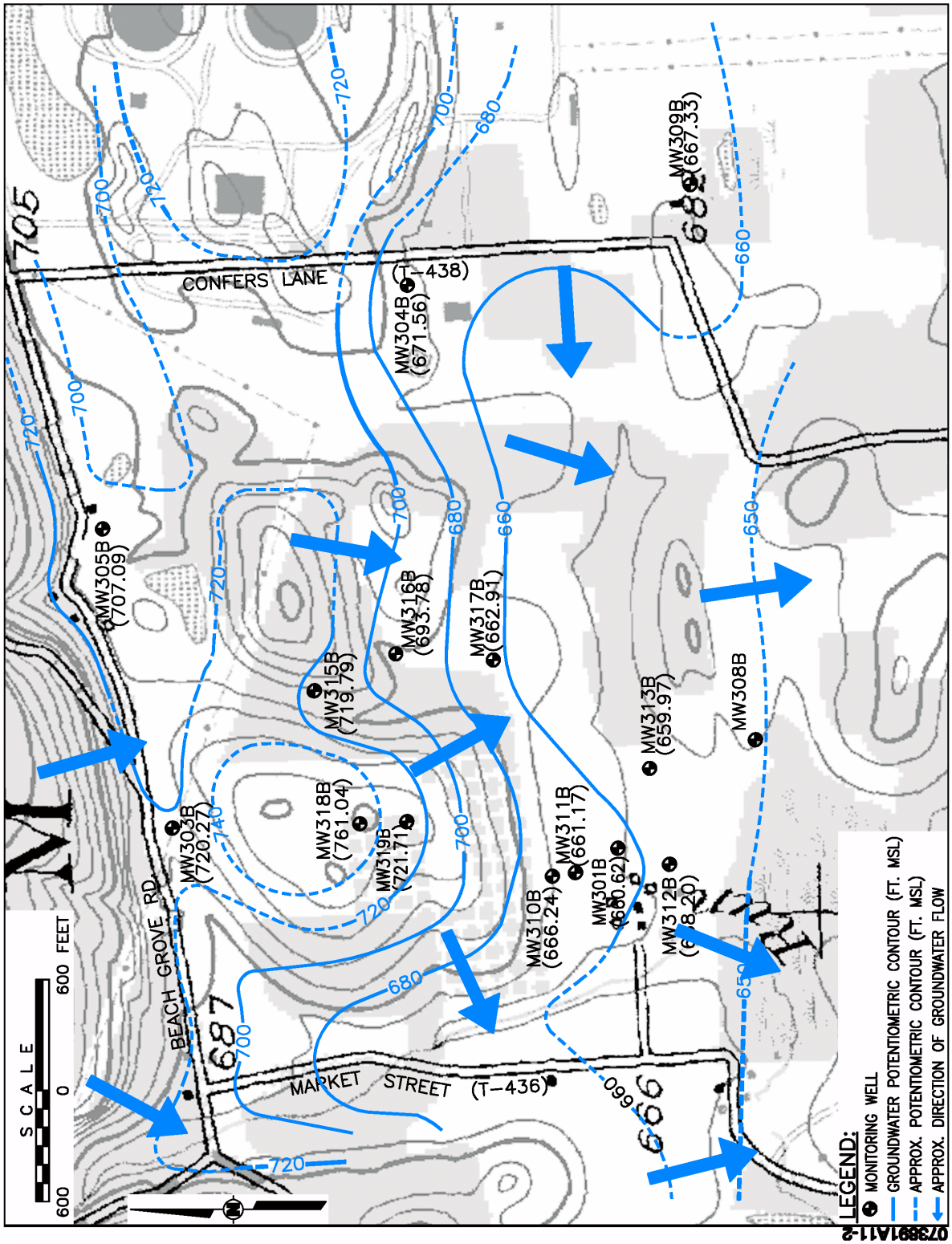

Figure 2.4-91 {Potentiometric Surface Map of Shallow Bedrock Aquifer, March 2008}

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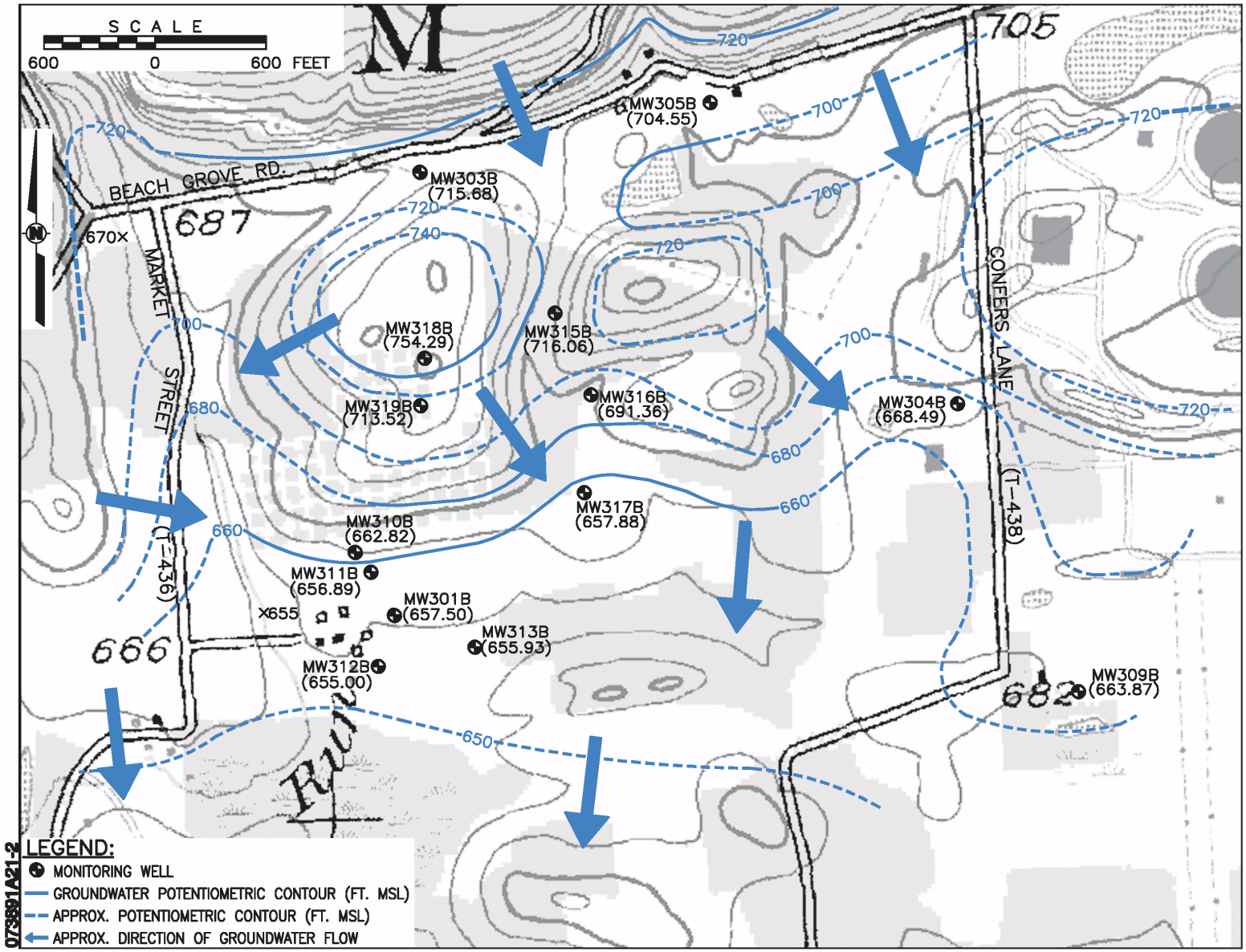
Figure 2.4-92 {Potentiometric Surface Map of Shallow Bedrock Aquifer, July 2008}



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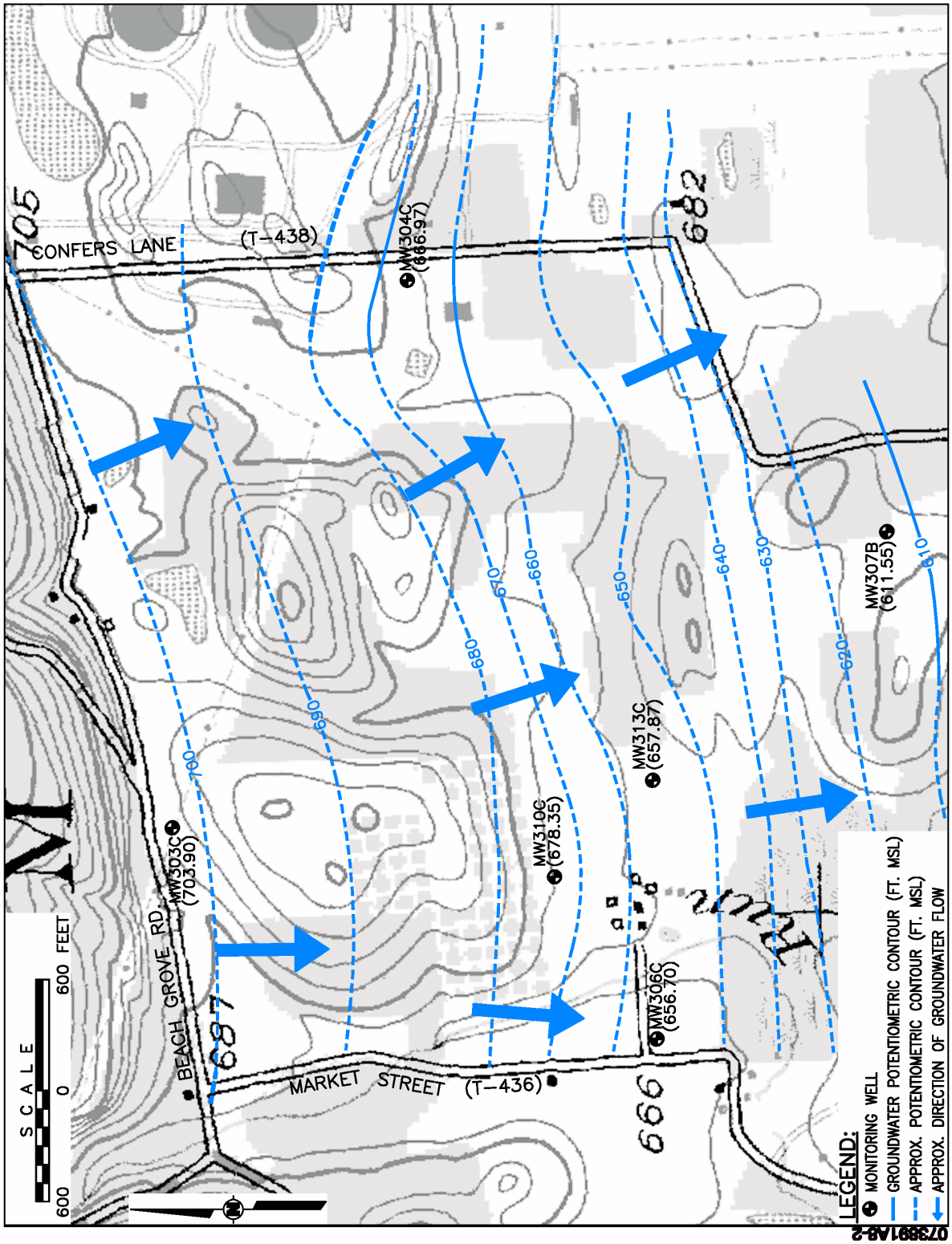

Figure 2.4-93 {Potentiometric Map of Deep Bedrock Aquifer, October 2007}

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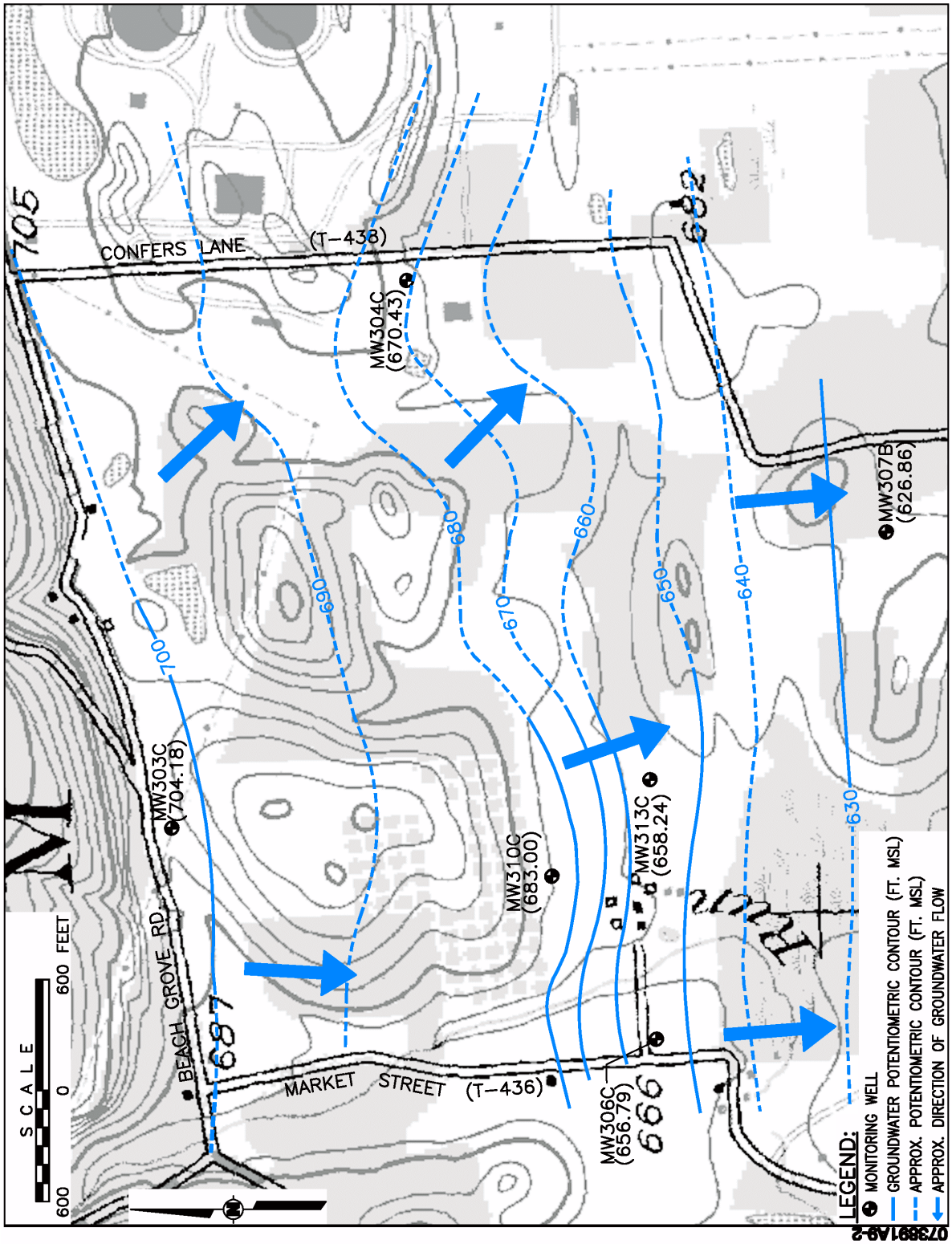

Figure 2.4-94 {Potentiometric Map of Deep Bedrock Aquifer, January 2008}

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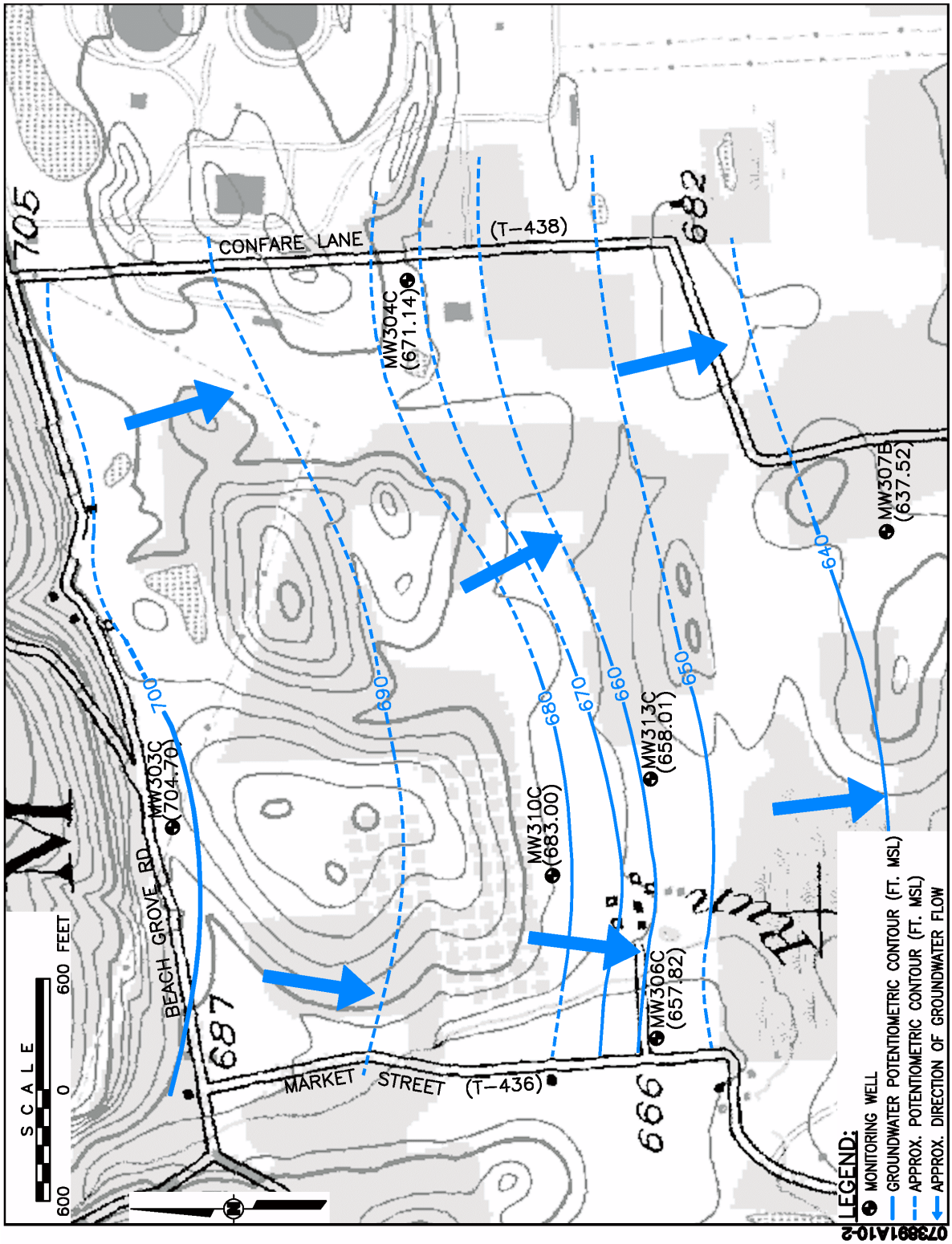

Figure 2.4-95 {Potentiometric Map of Deep Bedrock Aquifer, March 2008}

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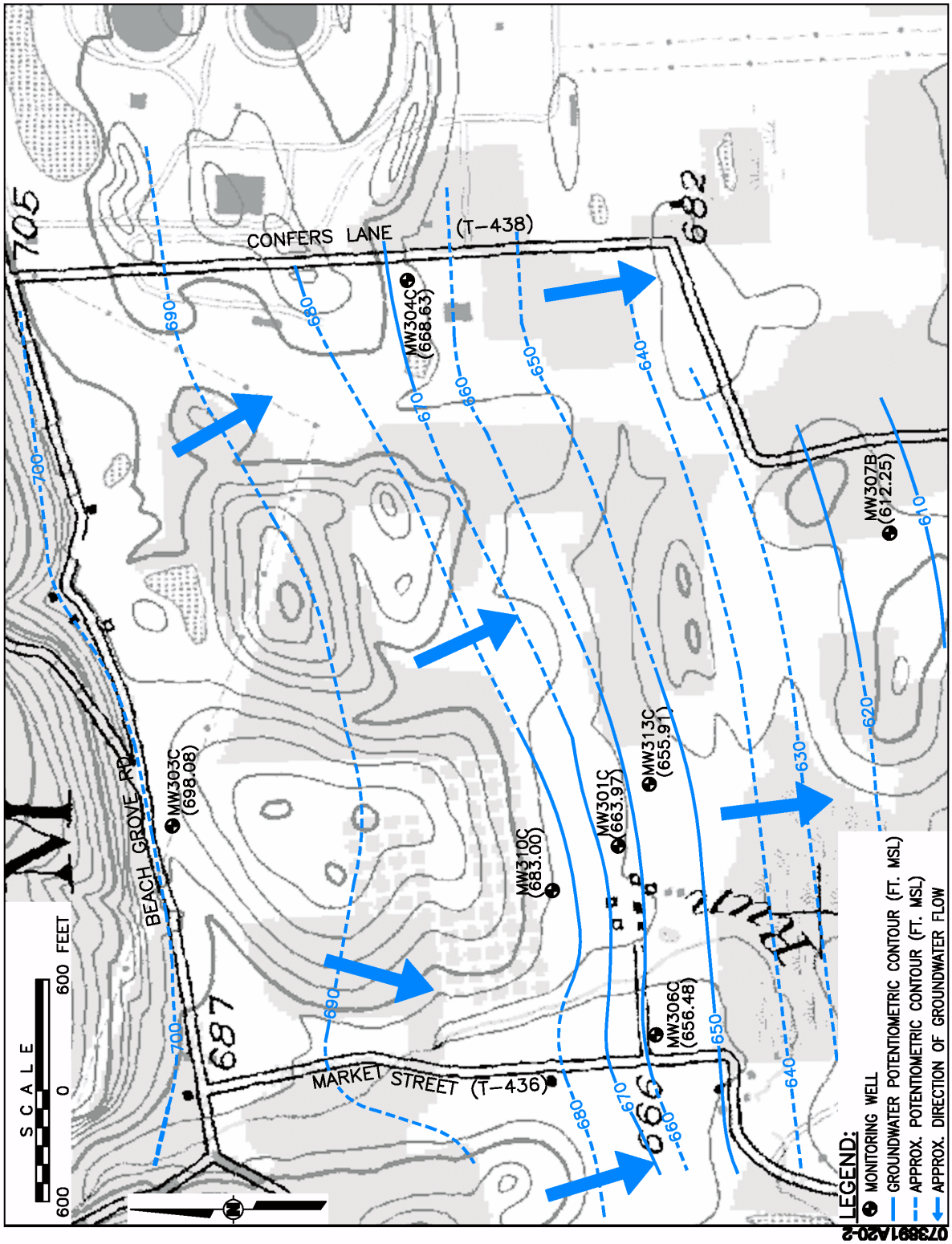

Figure 2.4-96 {Potentiometric Map of Deep Bedrock Aquifer, July 2008}

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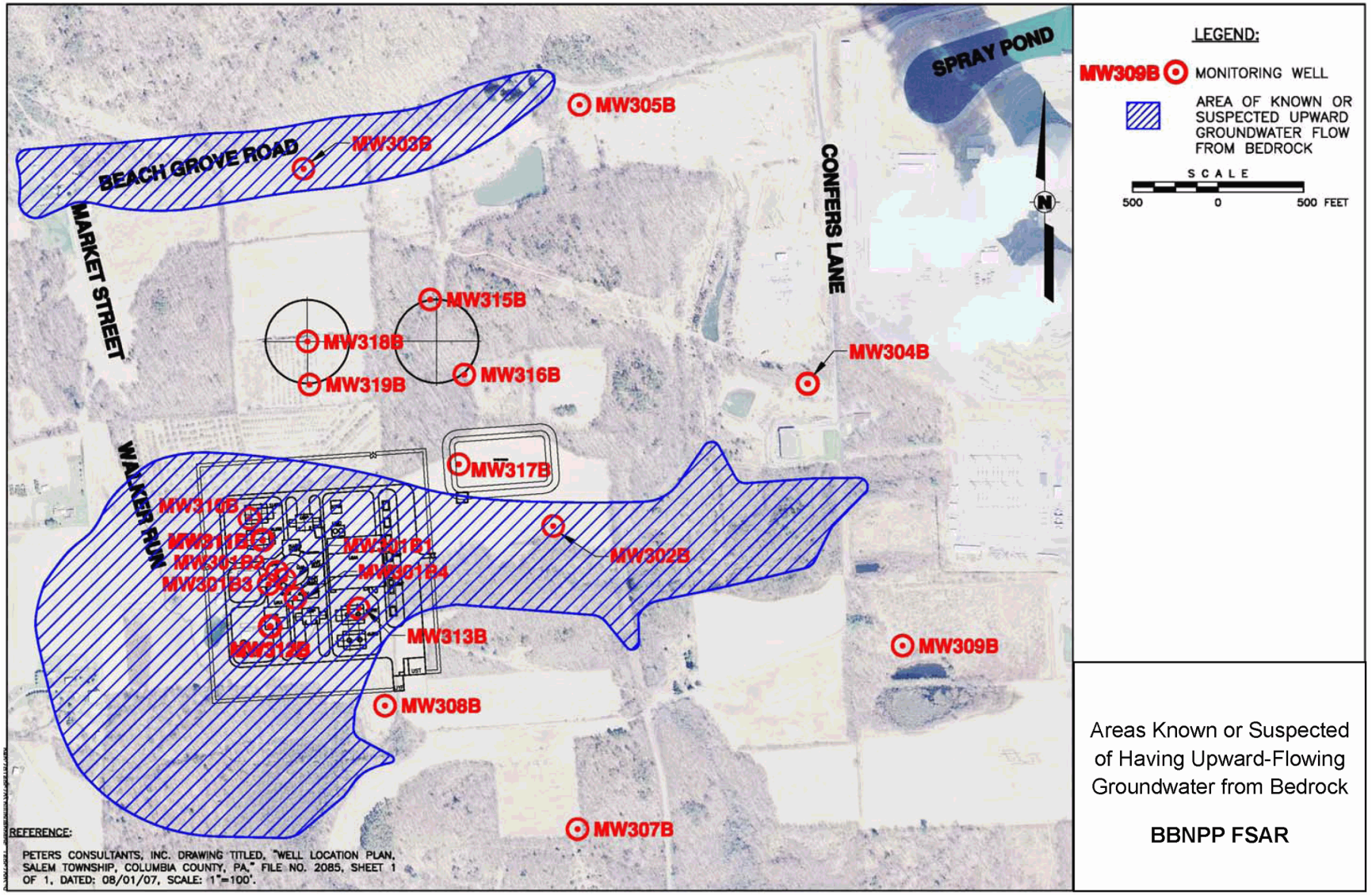
Figure 2.4-97 {Areas Known or Suspected of Having Upward-Flowing Ground Water from Bedrock}



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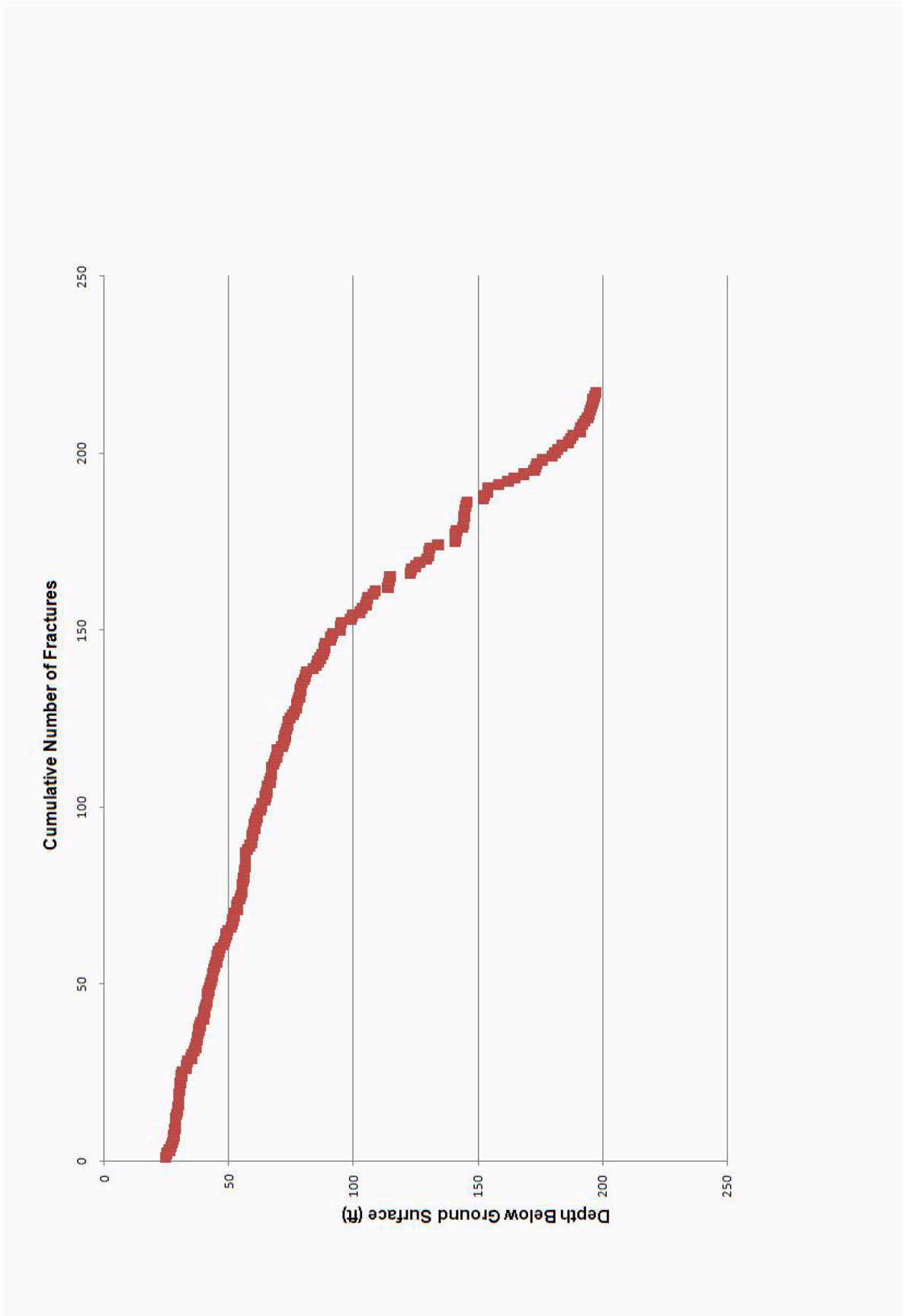

Figure 2.4-98 {Vertical Distribution of Fractures in MW301C Between 45 and 345 Feet Below Ground Surface}

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Figure 2.4-99 {Distribution of Fracture Dip Directions in Monitoring Well MW301C}

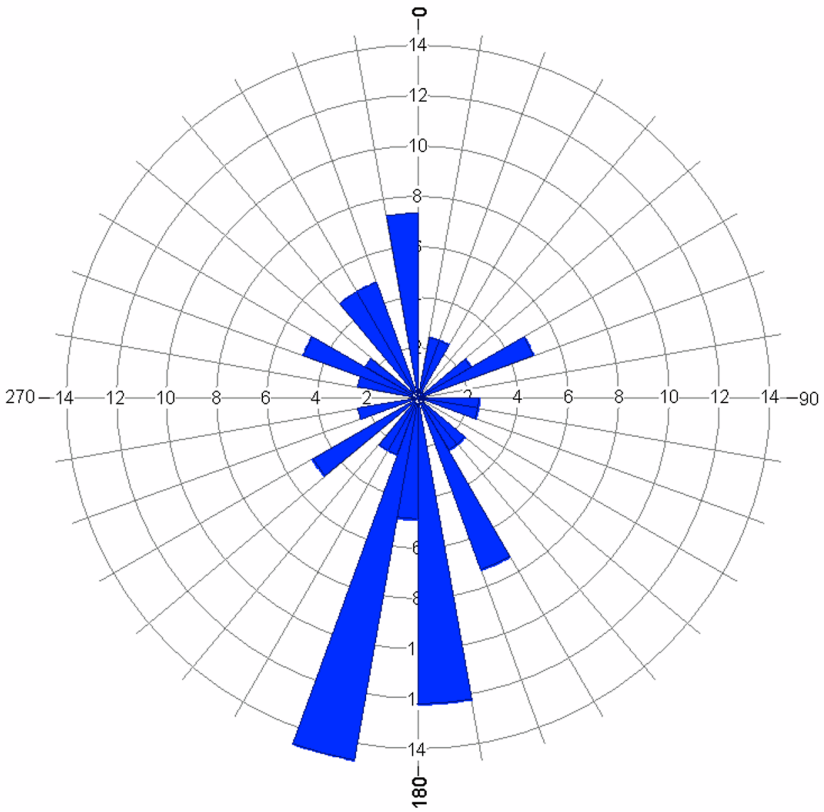

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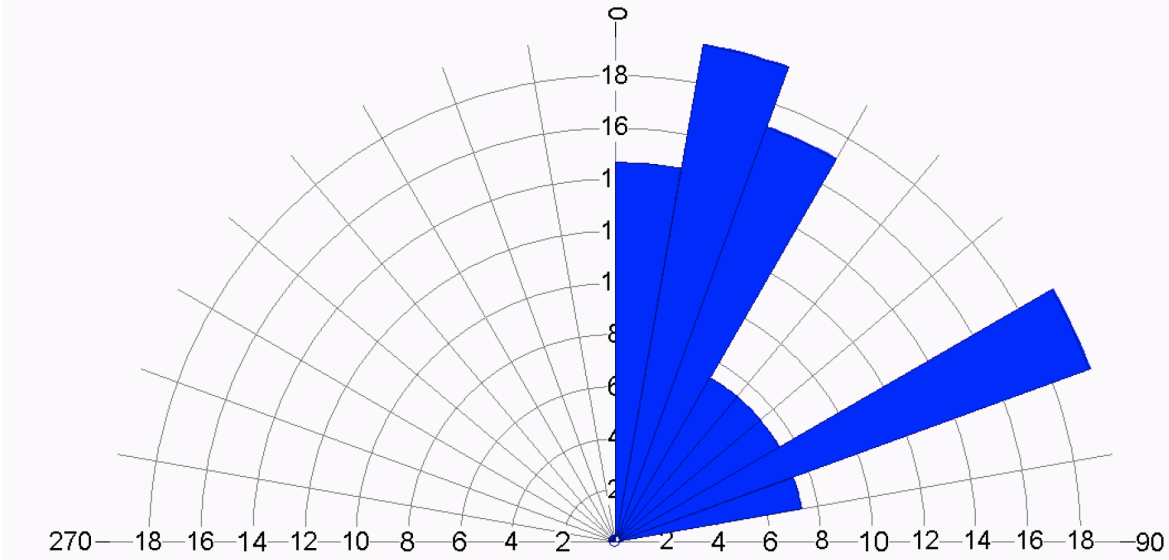
Figure 2.4-100 {Distribution of Fracture Dip Angles in Monitoring Well MW301C}



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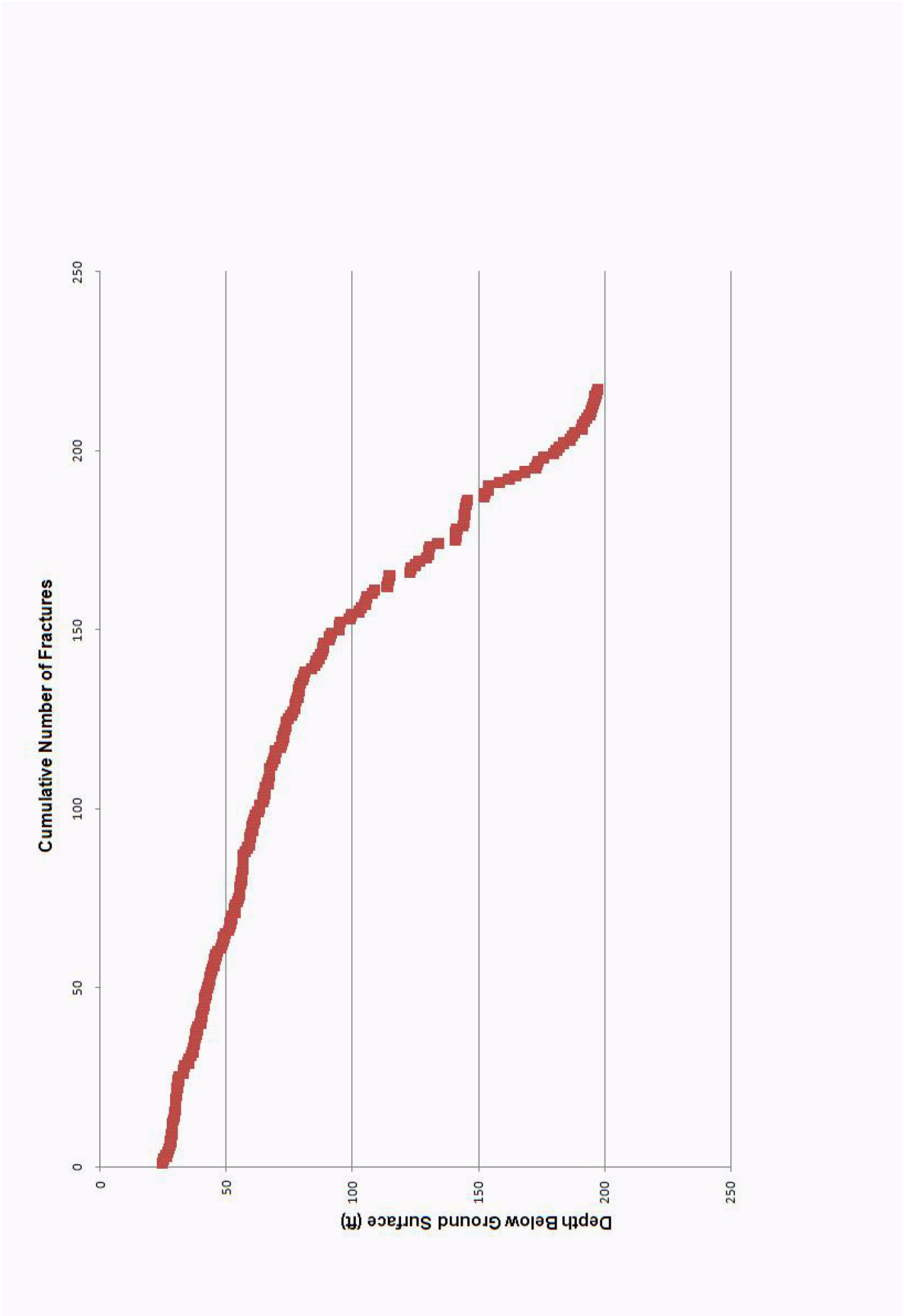

Figure 2.4-101 {Vertical Distribution of Fractures in MW301C Between 45 and 345 Feet Below Ground Surface}

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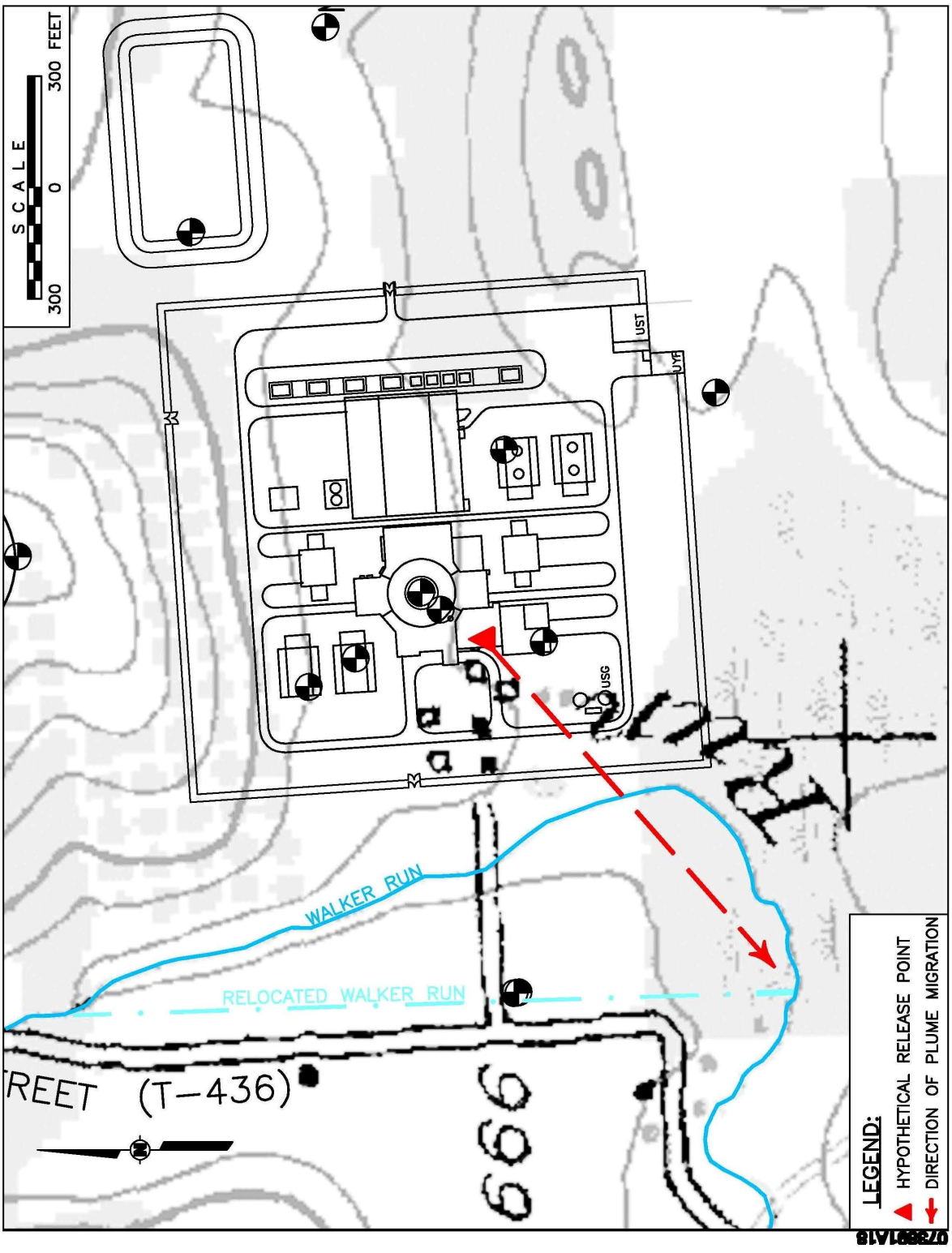

Figure 2.4-102 {Hypothetical Point of Release and Subsurface Migration Path of Accidental Spill}

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