Figure 2.4-62—{Potentiometric Surface Map, Graydon Chert Aquifer, November 2007}

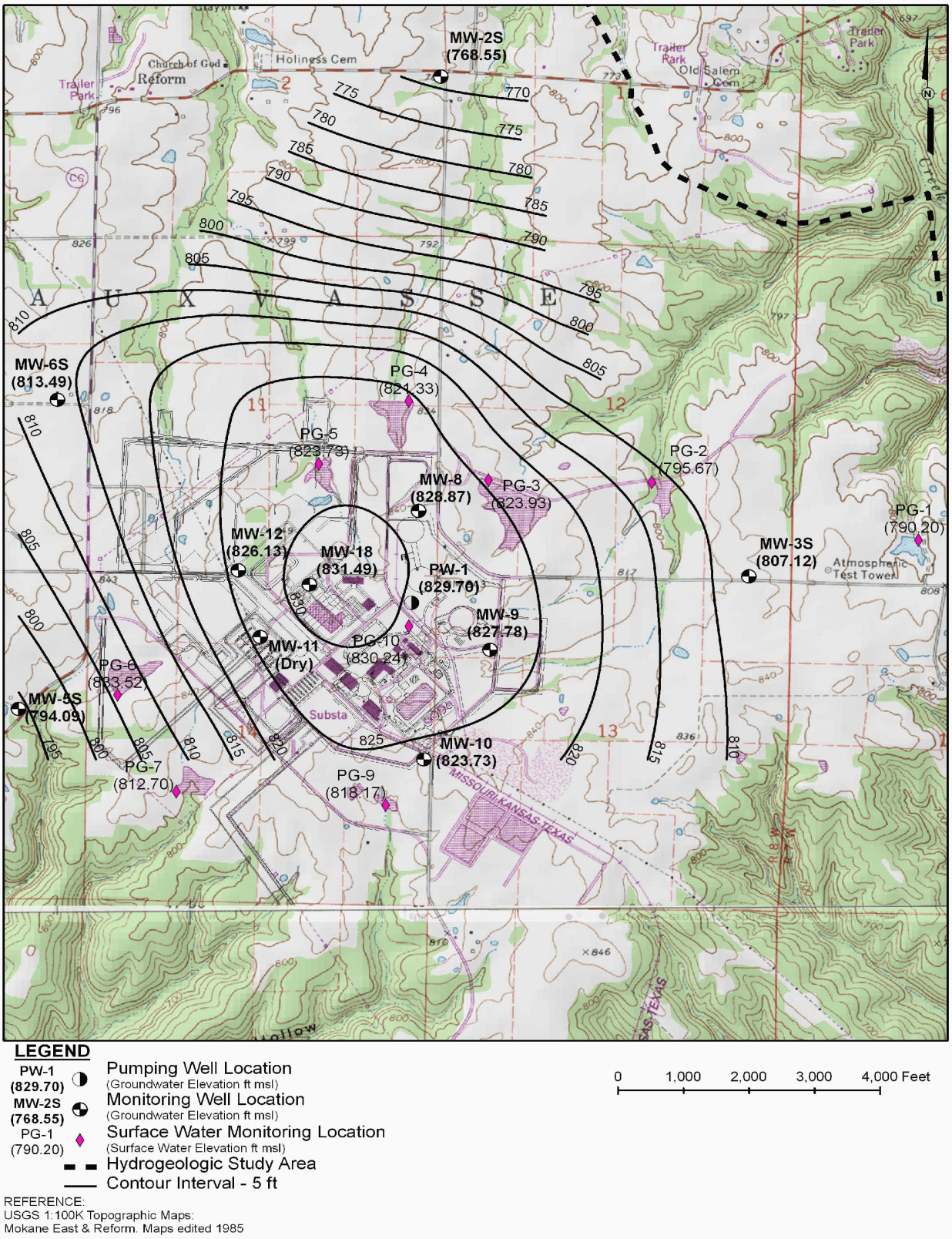

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Figure 2.4-63—{Potentiometric Surface Map, Graydon Chert Aquifer, January 2008}

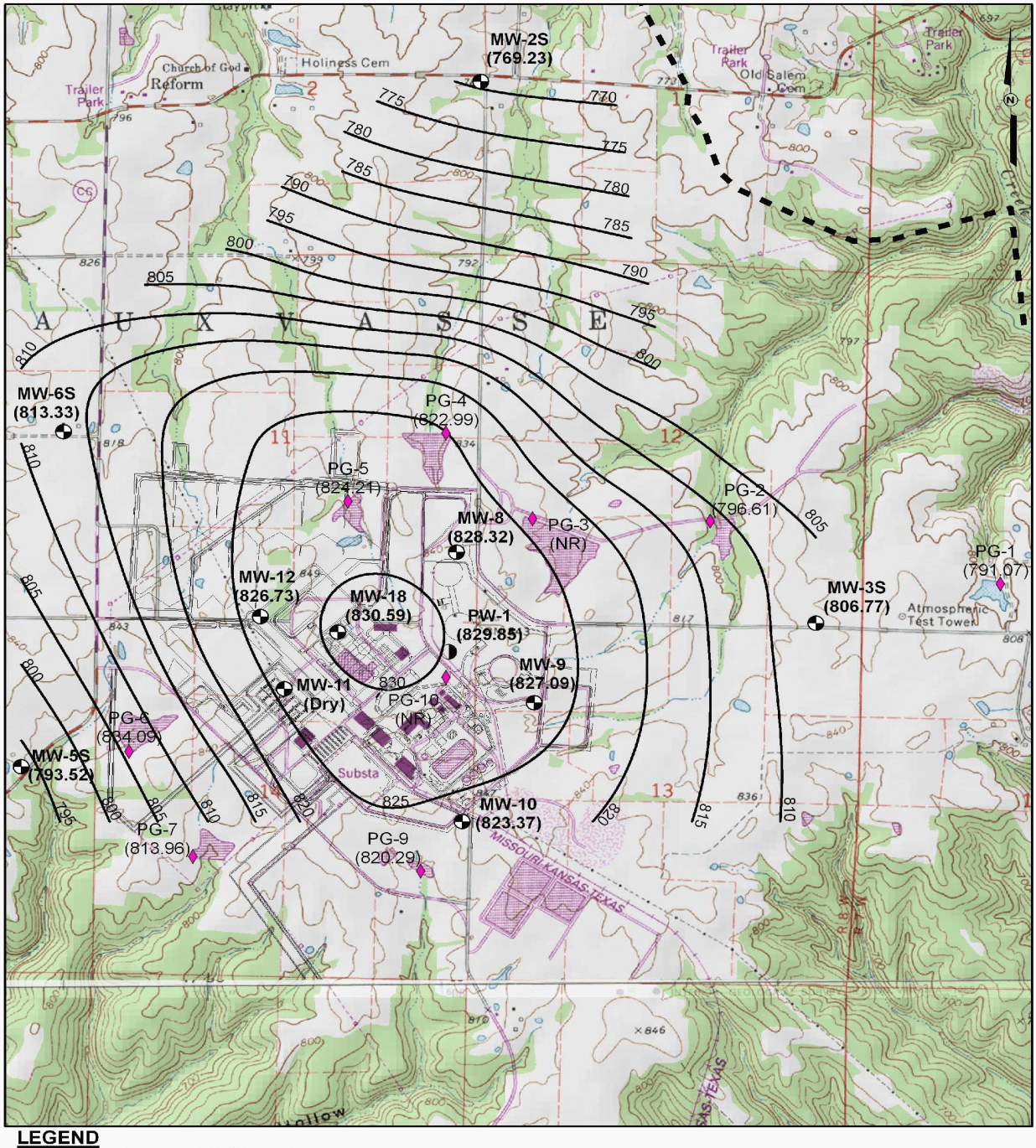

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Figure 2.4-64—{Groundwater Elevation versus Time, Aquitard}

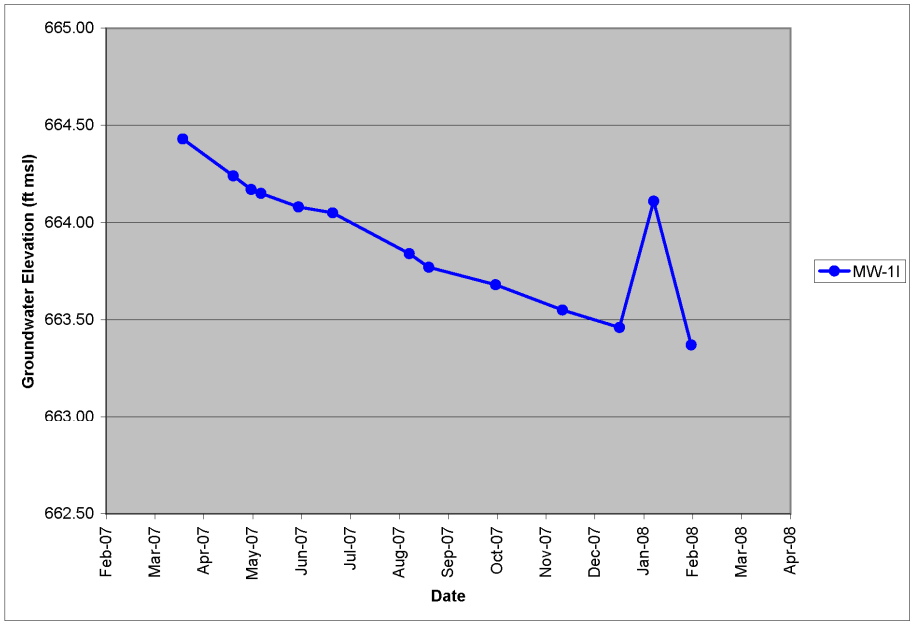

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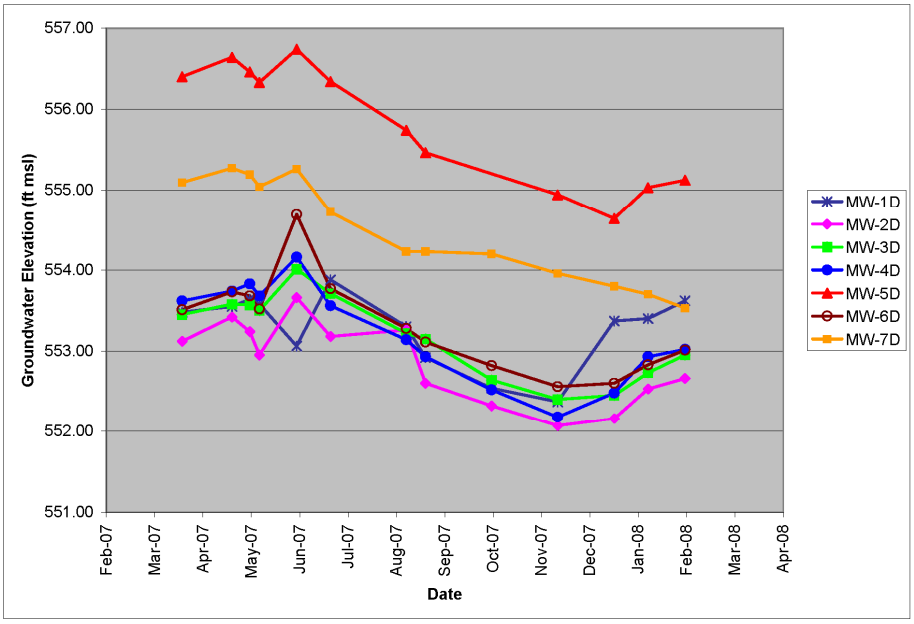
Figure 2.4-65—{Groundwater Elevation versus Time, Cotter-Jefferson City Aquifer Well}



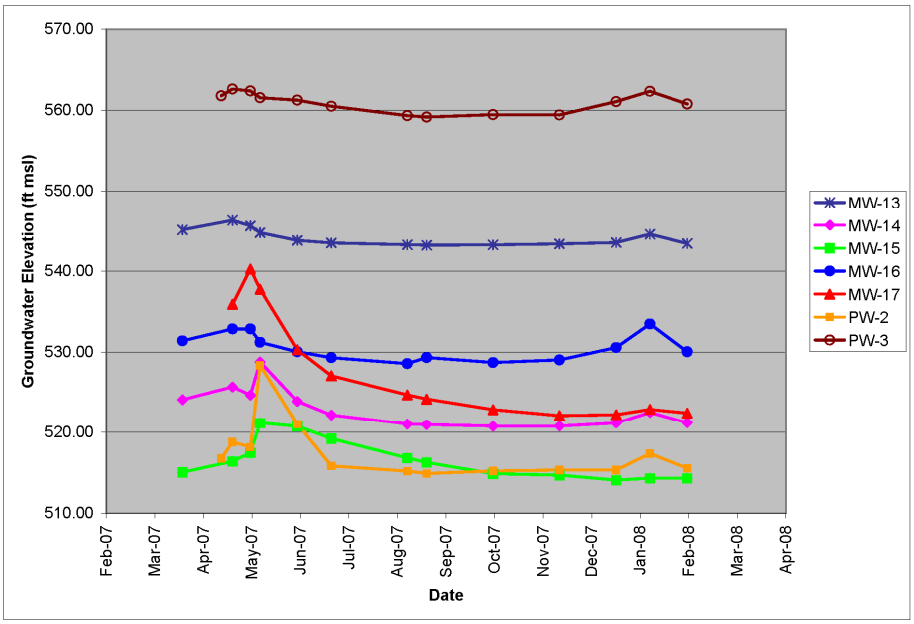


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Figure 2.4-66—{Surface Water Elevation versus Time, Lakes and Auxvasse Creek}

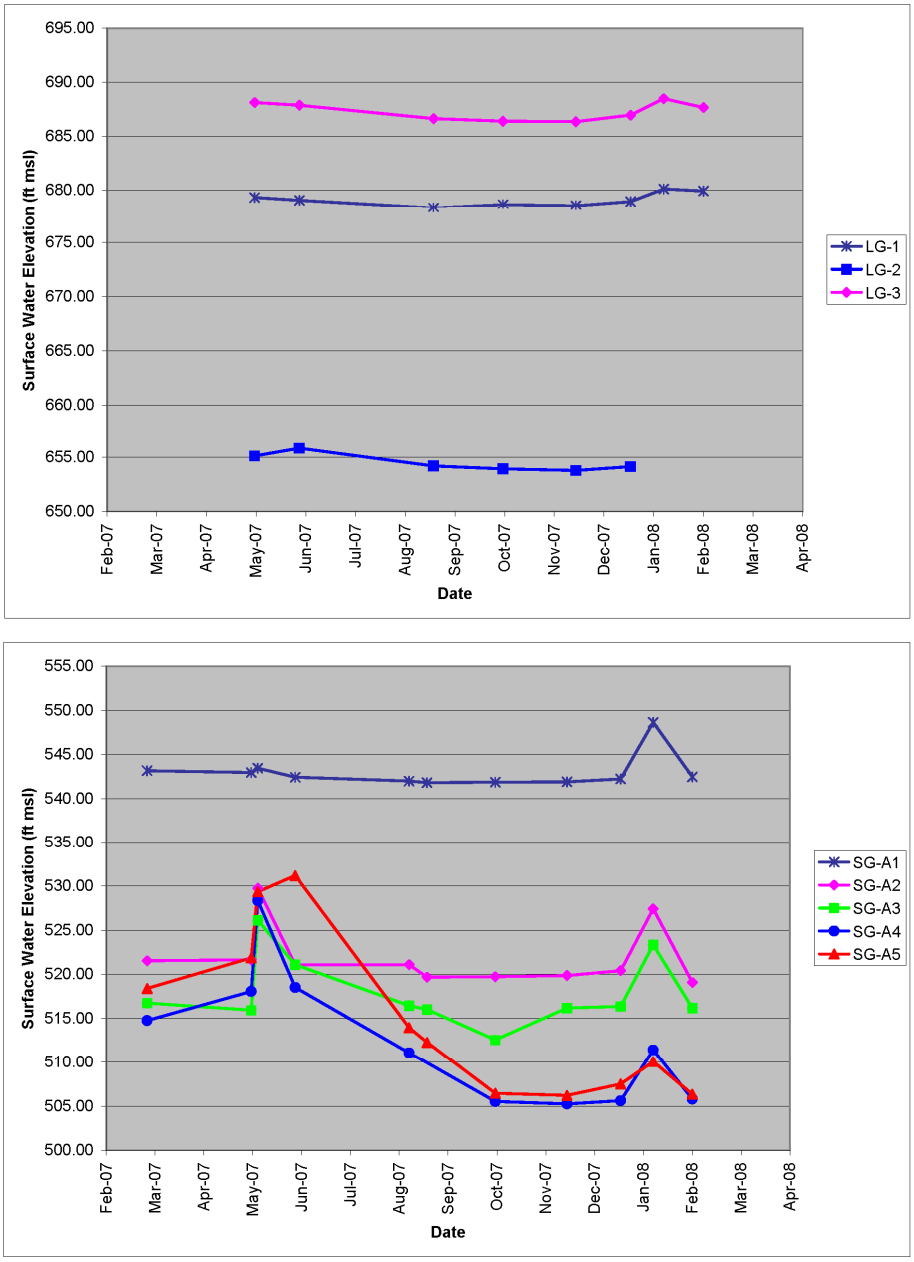

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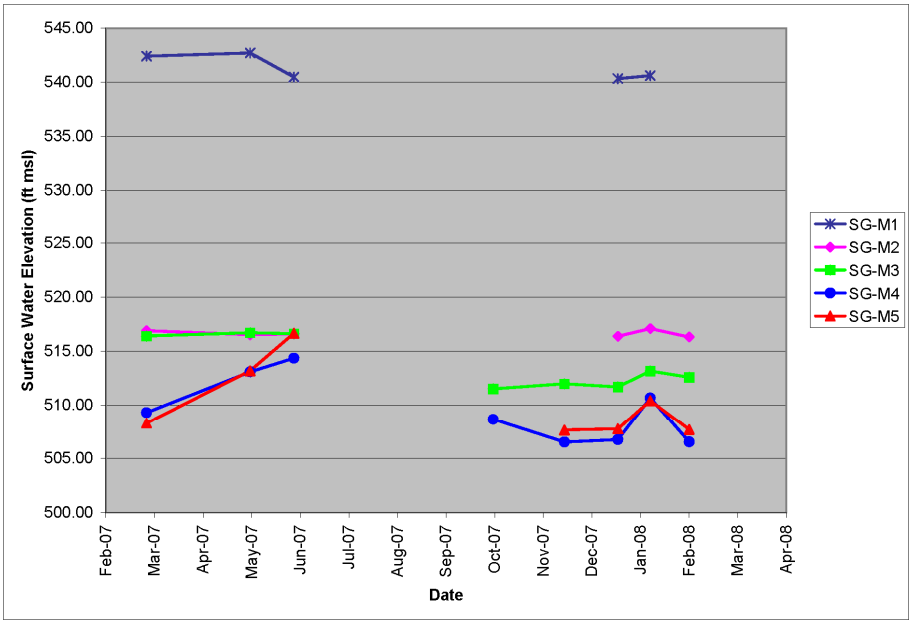
Figure 2.4-67—{Surface Water Elevation versus Time, Mud and Logan Creeks}



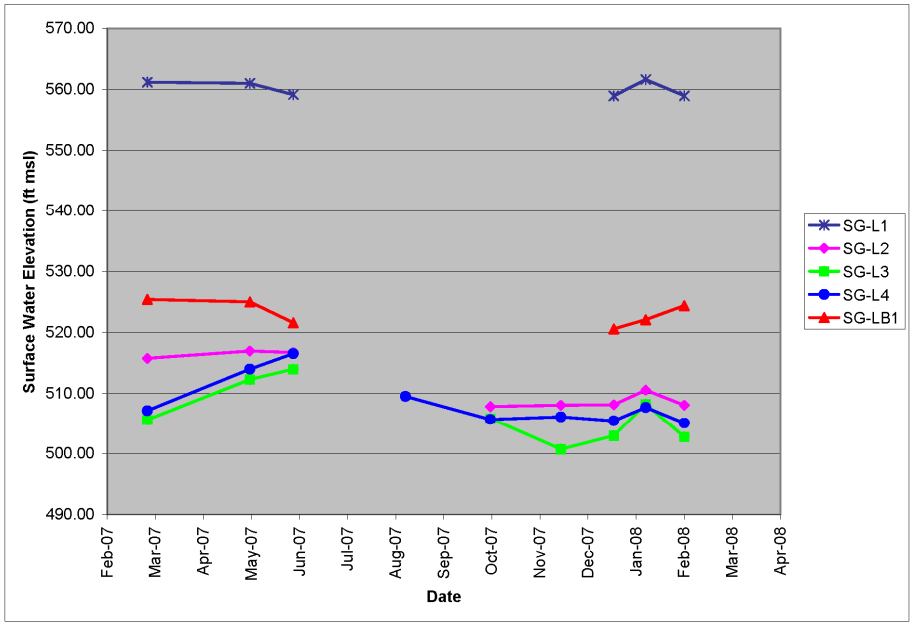


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Figure2.4-68—{Potentiometric Surface Map, Cotter-Jefferson City Aquifer, May 2007}

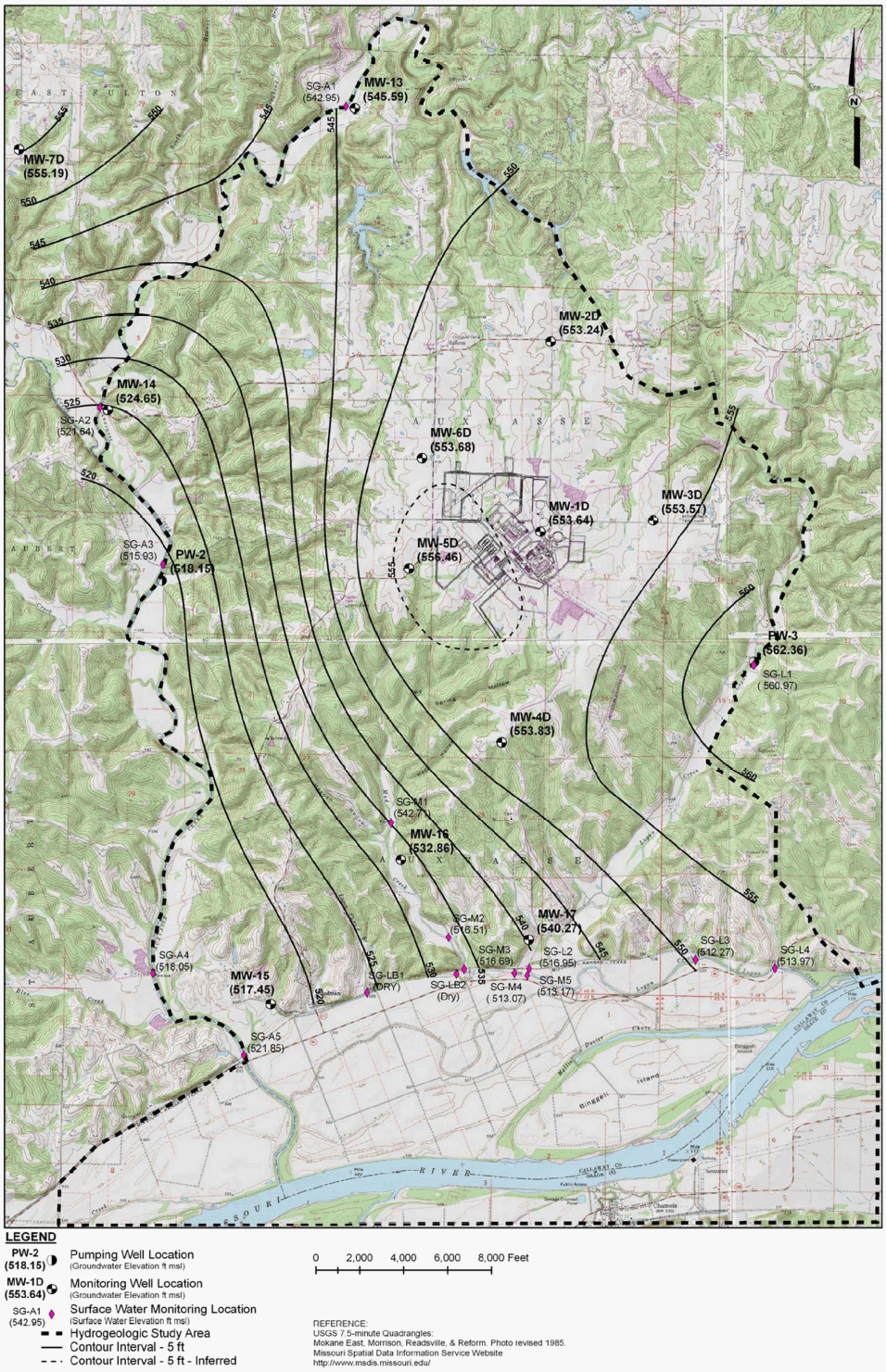

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Figure 2.4-69—{Potentiometric Surface Map, Cotter-Jefferson City Aquifer, August 2007}

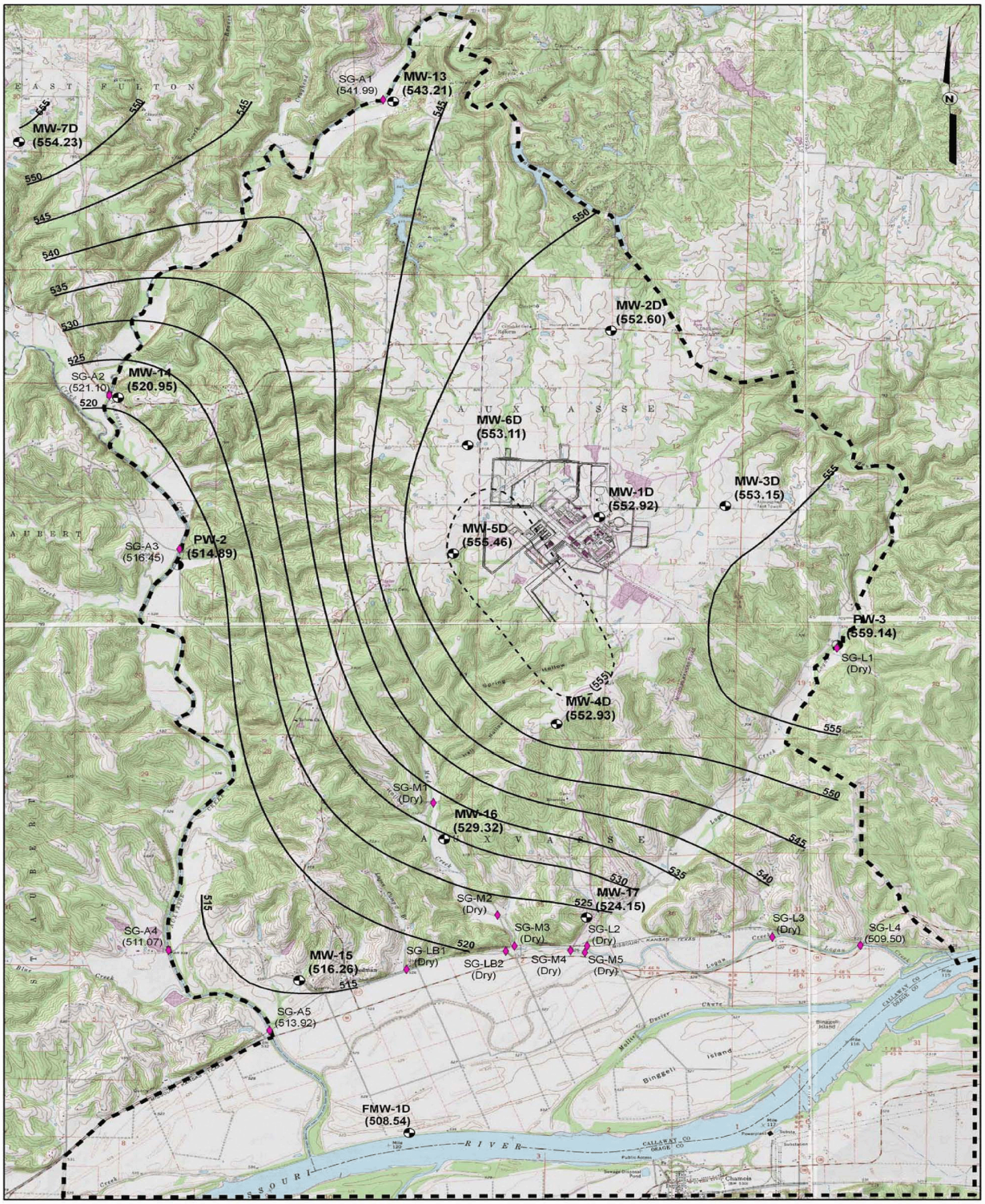

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Figure 2.4-70—{Potentiometric Surface Map, Cotter-Jefferson City Aquifer, November 2007}

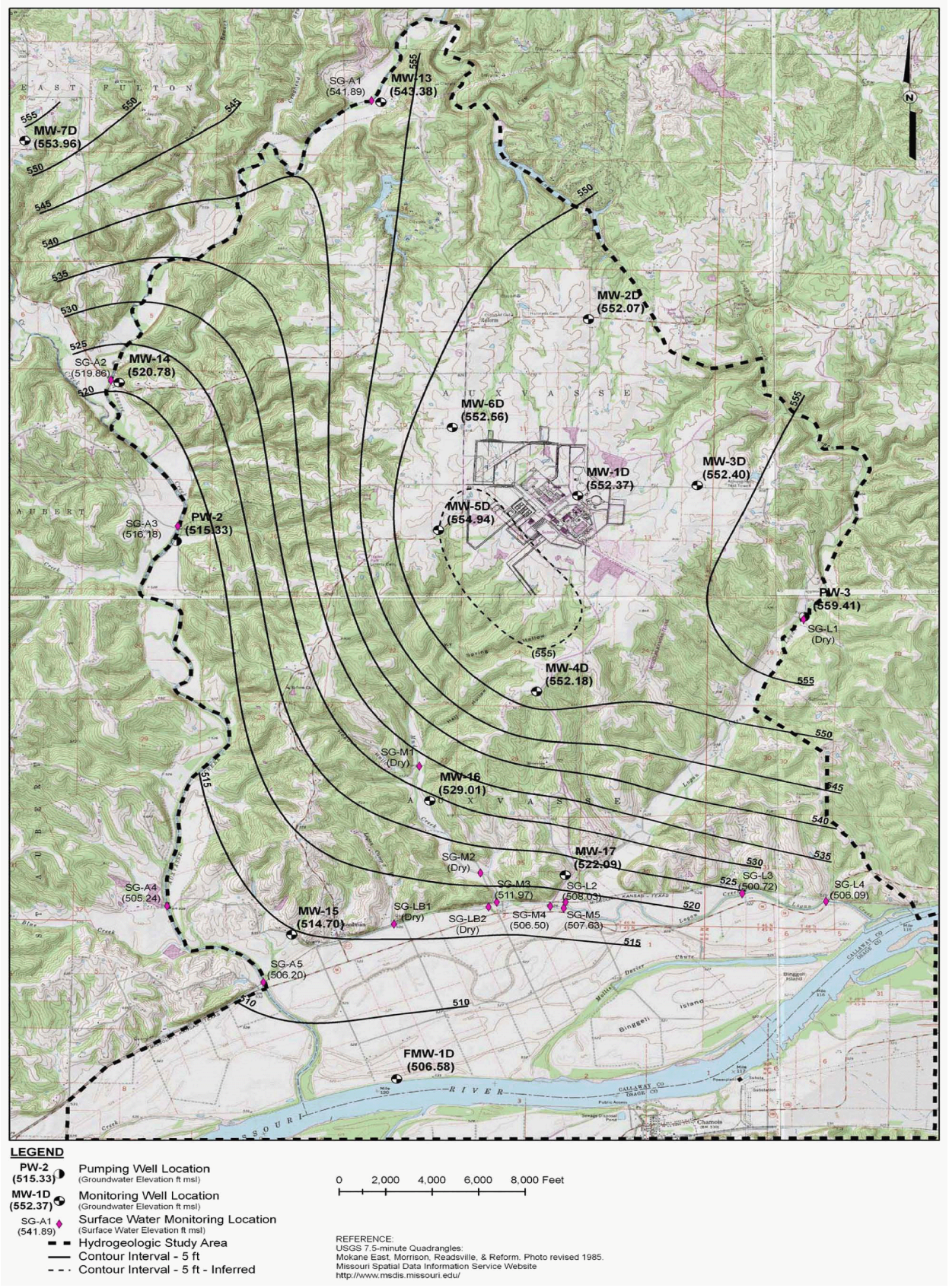

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Figure 2.4-71—{Potentiometric Surface Map, Cotter-Jefferson City Aquifer, January 2008}

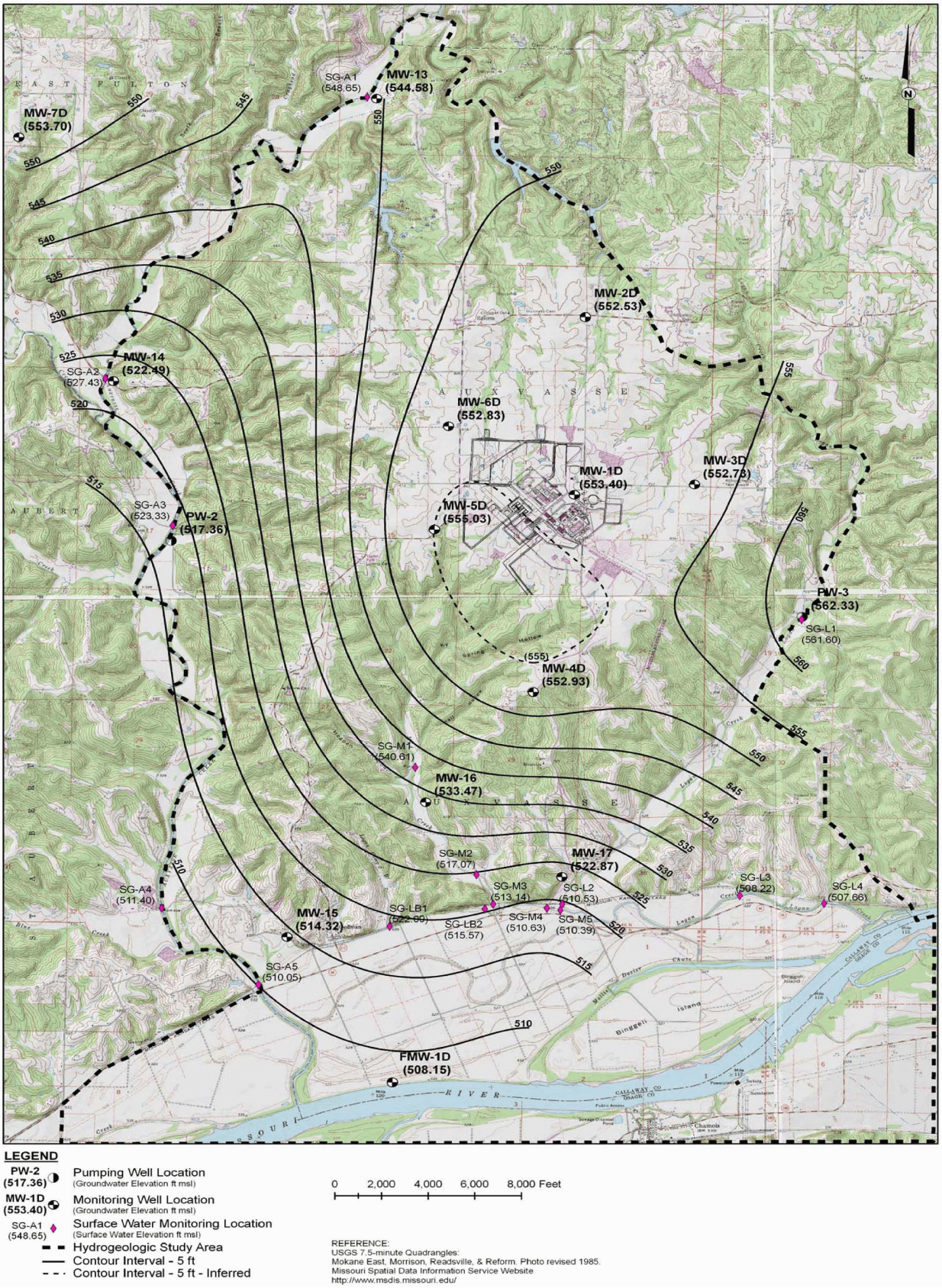

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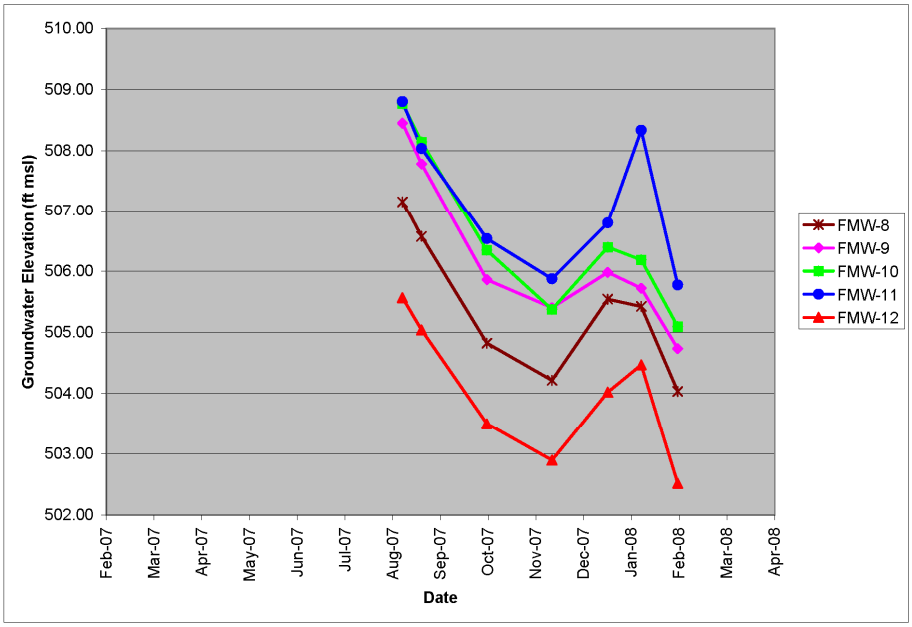
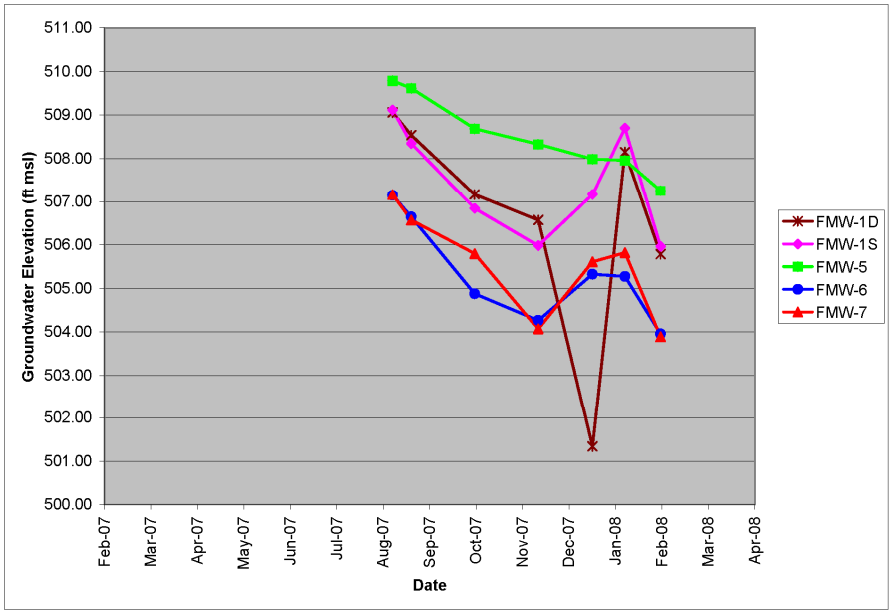
Figure 2.4-72—{Groundwater Elevation versus Time, Missouri River Alluvial Aquifer Wells}





Note: FMW-1S and FMW-1D are a well cluster; FMW-1D is screened in the bedrock beneath the alluvial aquifer.

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Figure 2.4-73—{Potentiometric Surface Map, Missouri River Alluvial Aquifer, August 2007}

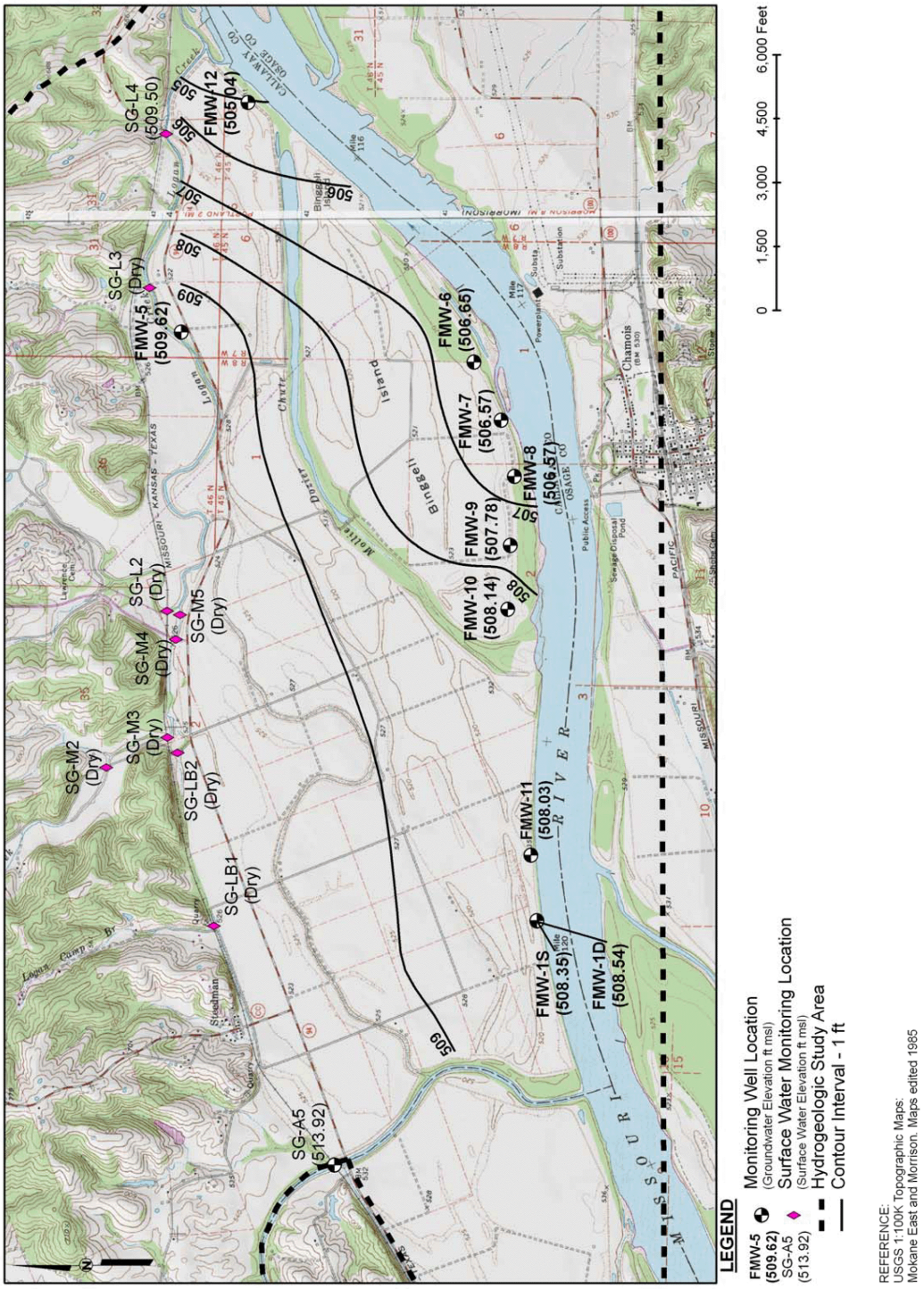

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Figure 2.4-74—{Potentiometric Surface Map, Missouri River Alluvial Aquifer, November 2007}

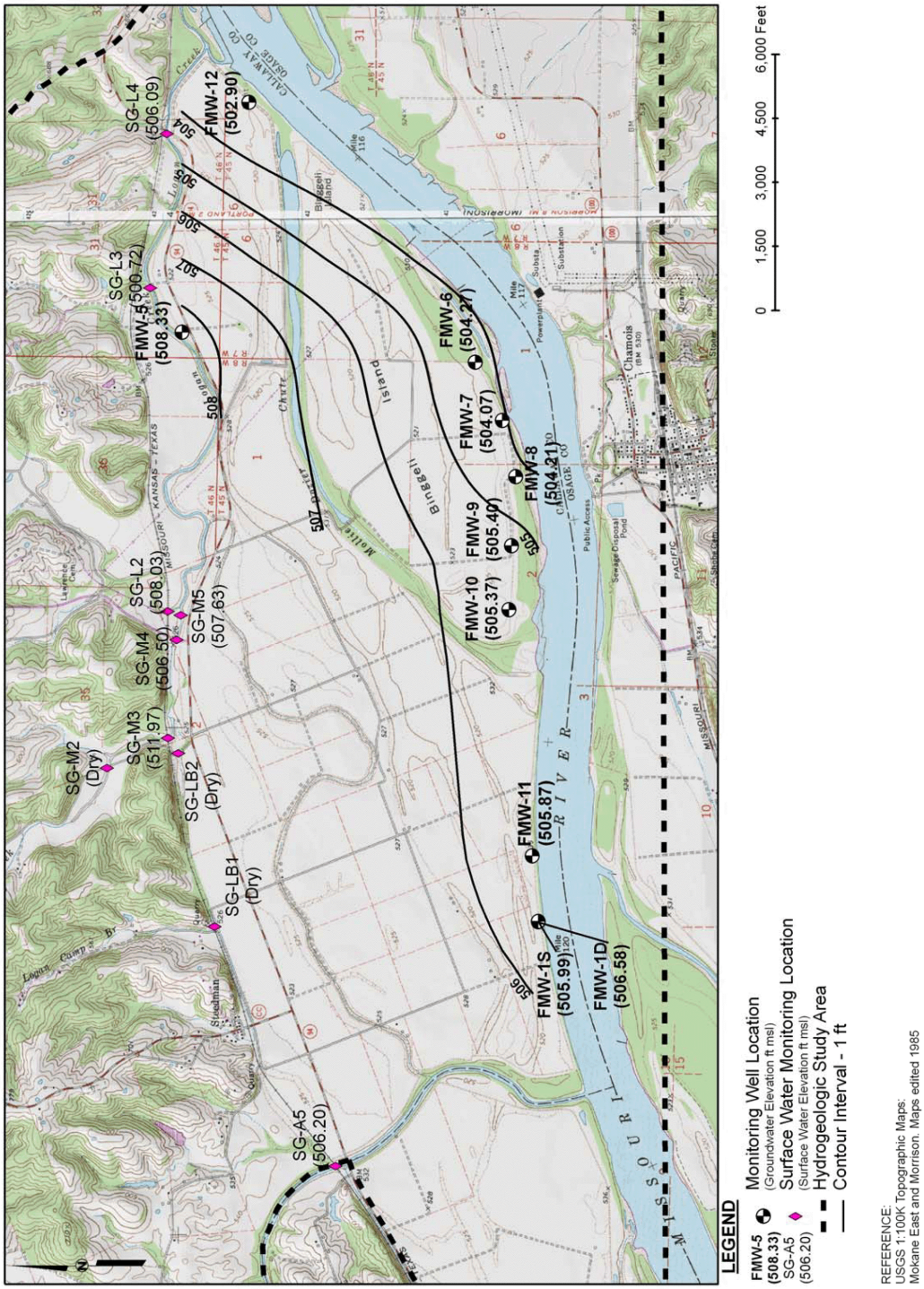

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Figure 2.4-75—{Potentiometric Surface Map, Missouri River Alluvial Aquifer, January 2008}

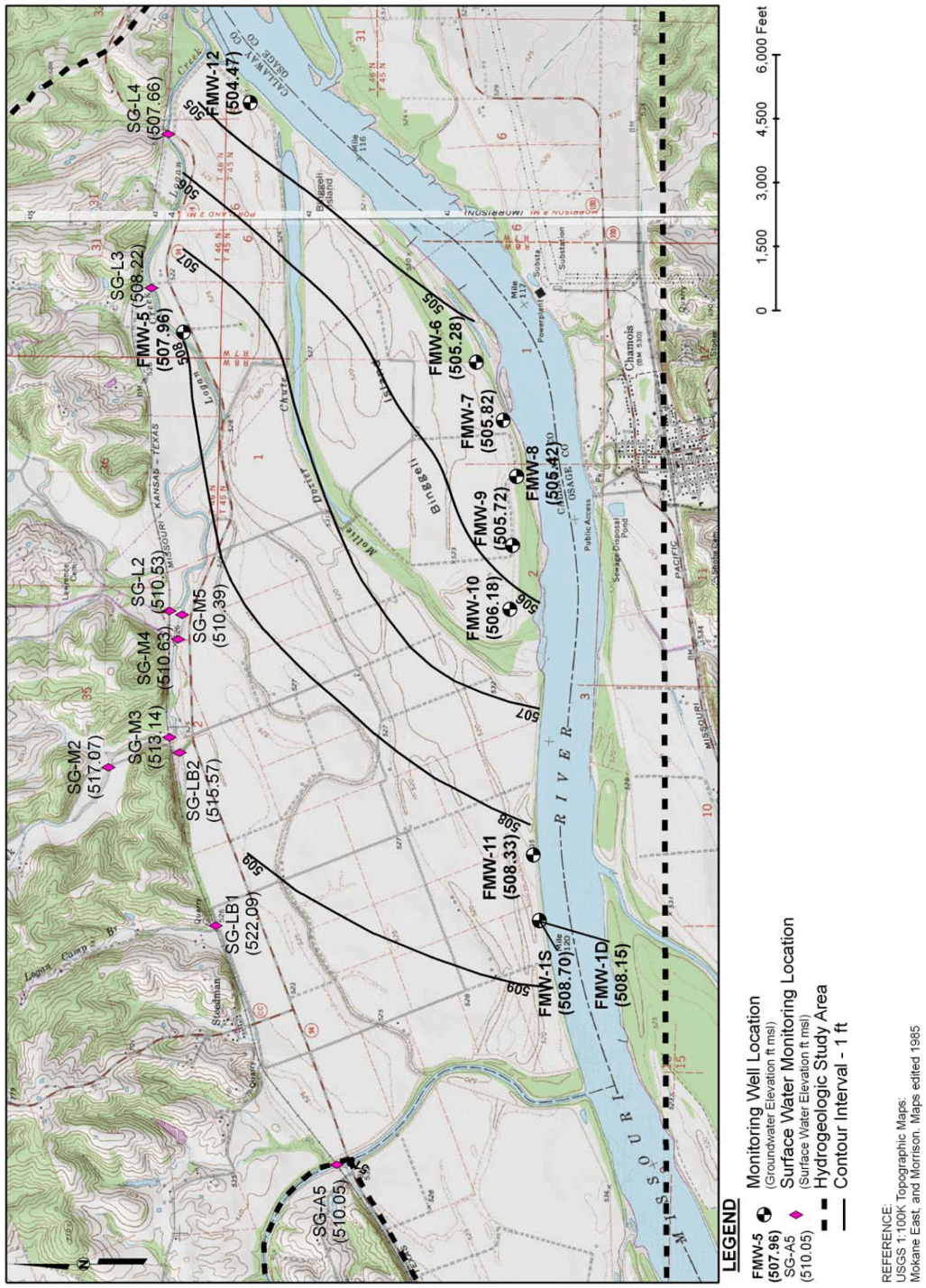

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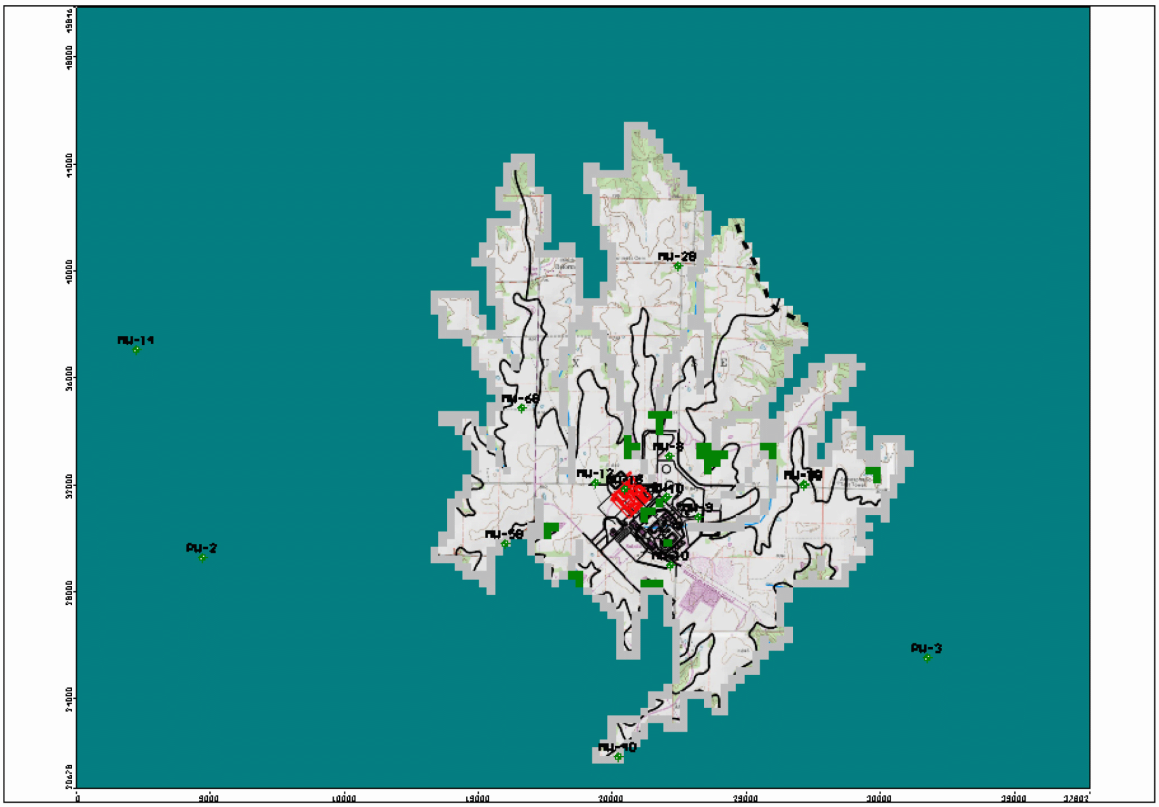
Figure 2.4-76—{Layer 1 Boundary Conditions}



Note: Image is a direct export from Visual MODFLOW Premium Version 4.2 Waterloo Hydrogeologic, Inc., Schlumberger Water Services, 2006. Model scale is shown on axes in feet. Refer to text for detailed description.

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Figure 2.4-77—{Layer 2 Boundary Conditions}

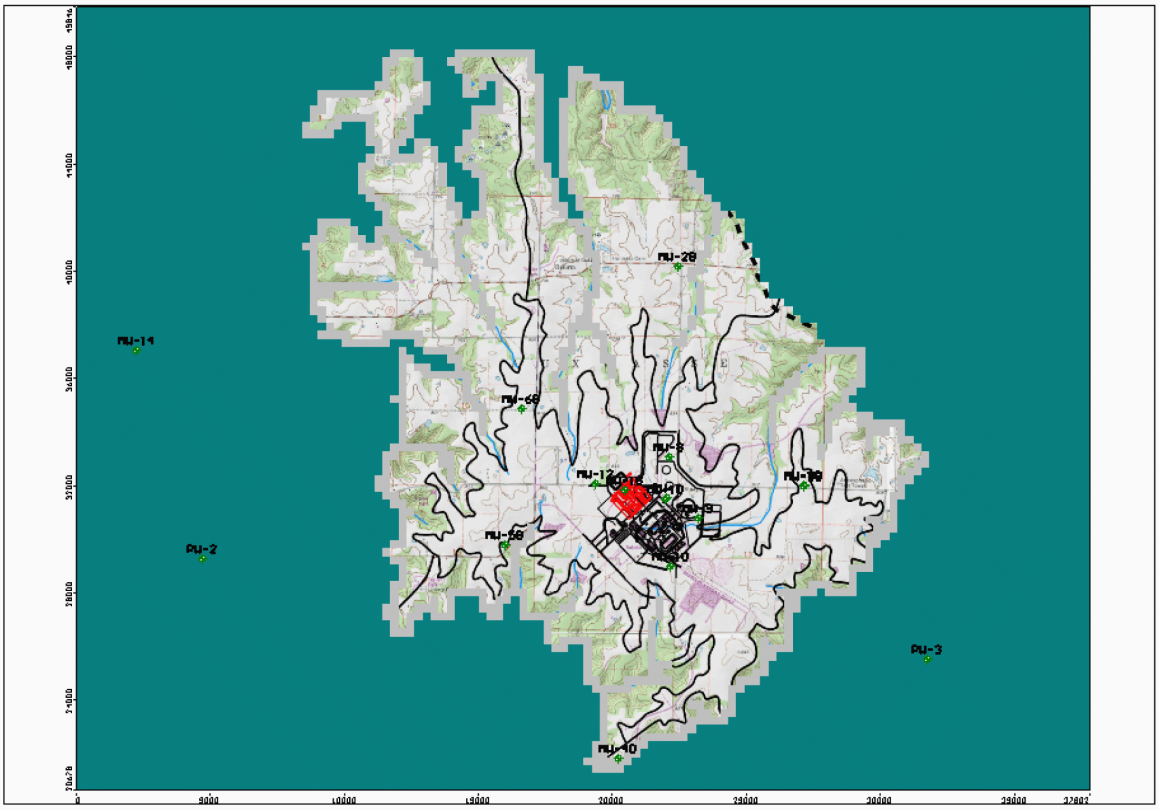

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Figure 2.4-78—{Layer 3 Boundary Conditions}

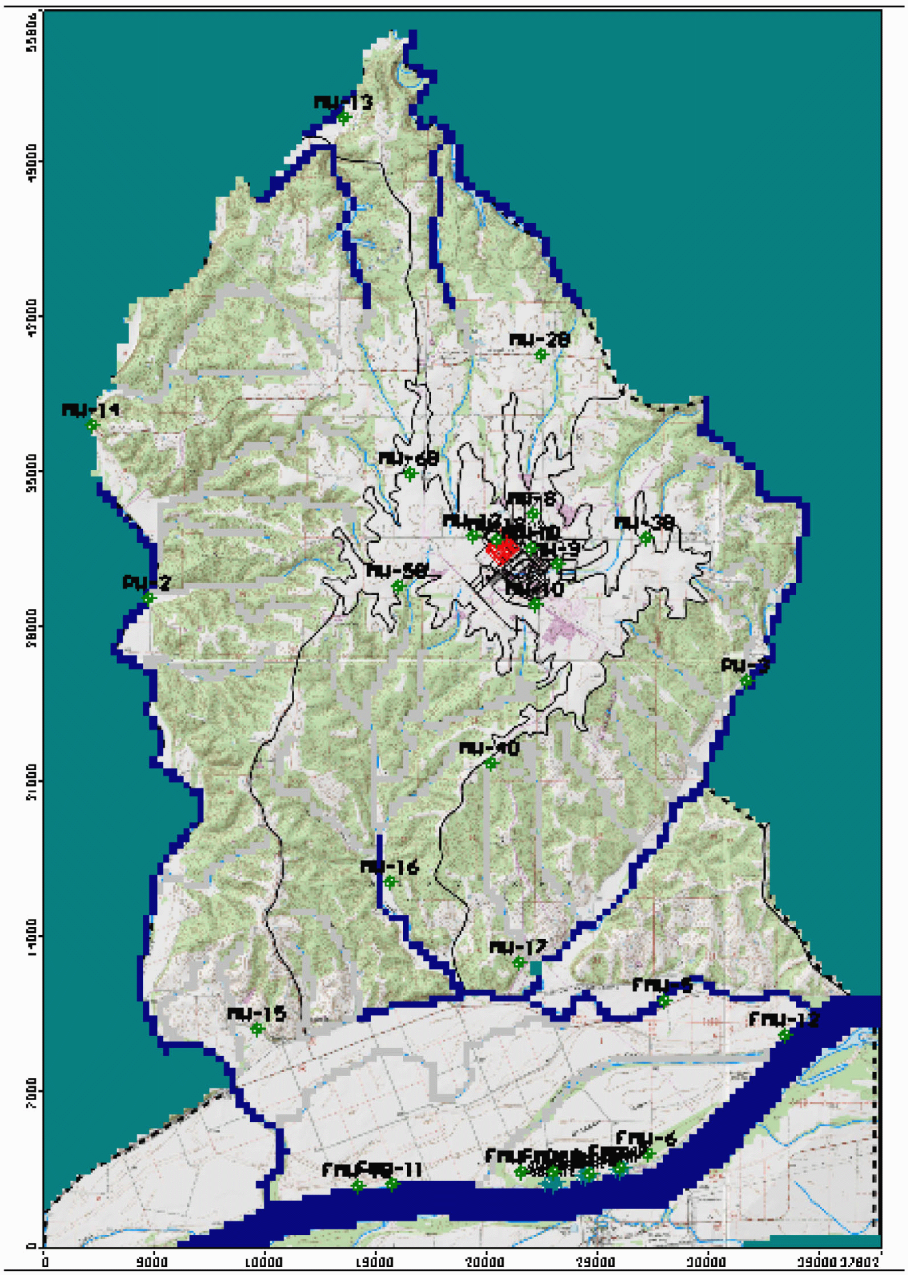

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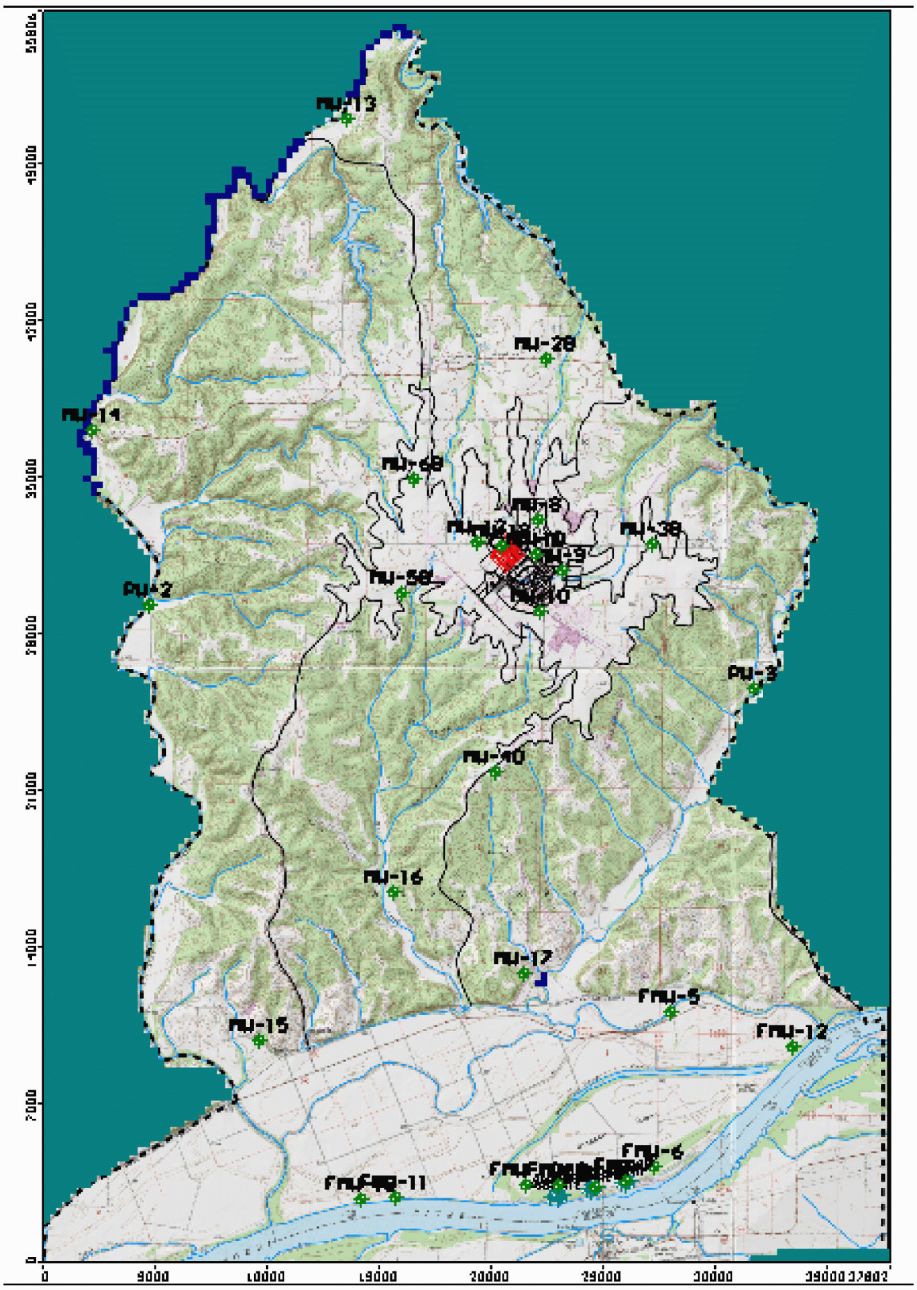
Figure 2.4-79—{Layer 4 Boundary Conditions}



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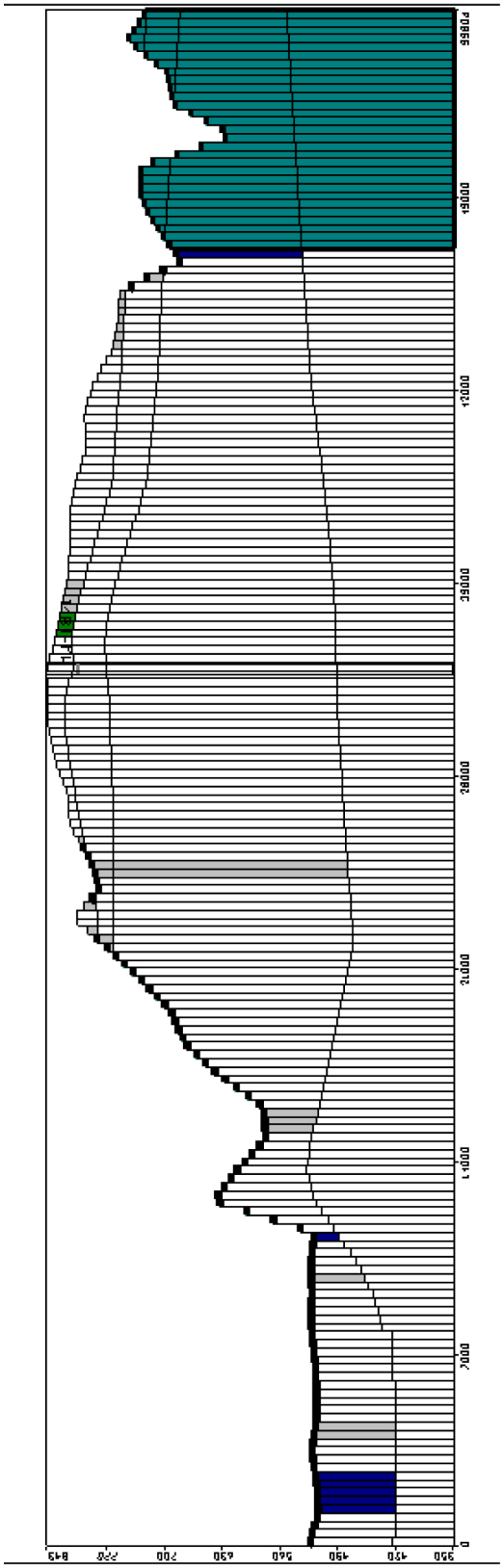

Figure 2.4-80—{South-North Cross-Section}

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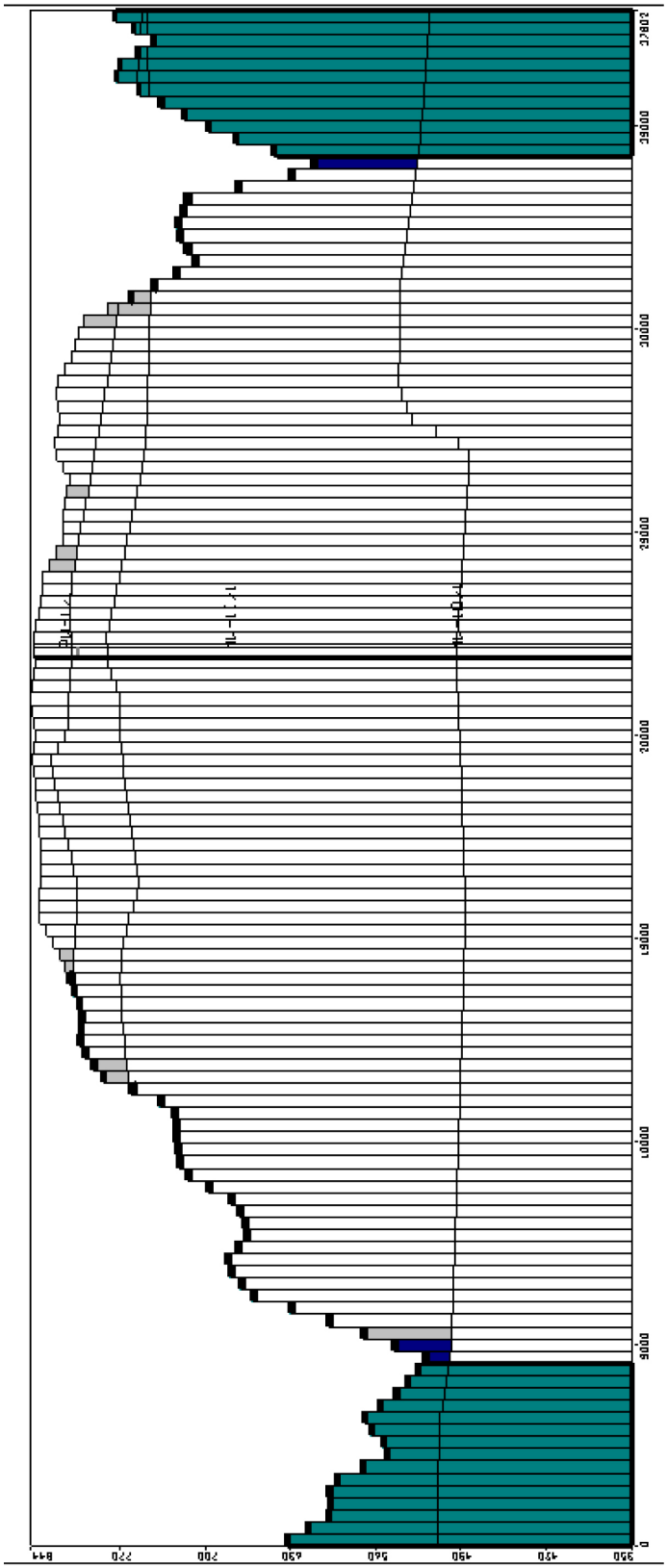
Figure 2.4-81—{East-West Cross-Section}



Note: Image is a direct export from Visual MODFLOW Premium Version 4.2 Waterloo Hydrogeologic, Inc., Schlumberger Water Services, 2006. Model scale is shown on axes in feet. Refer to text for detailed description.

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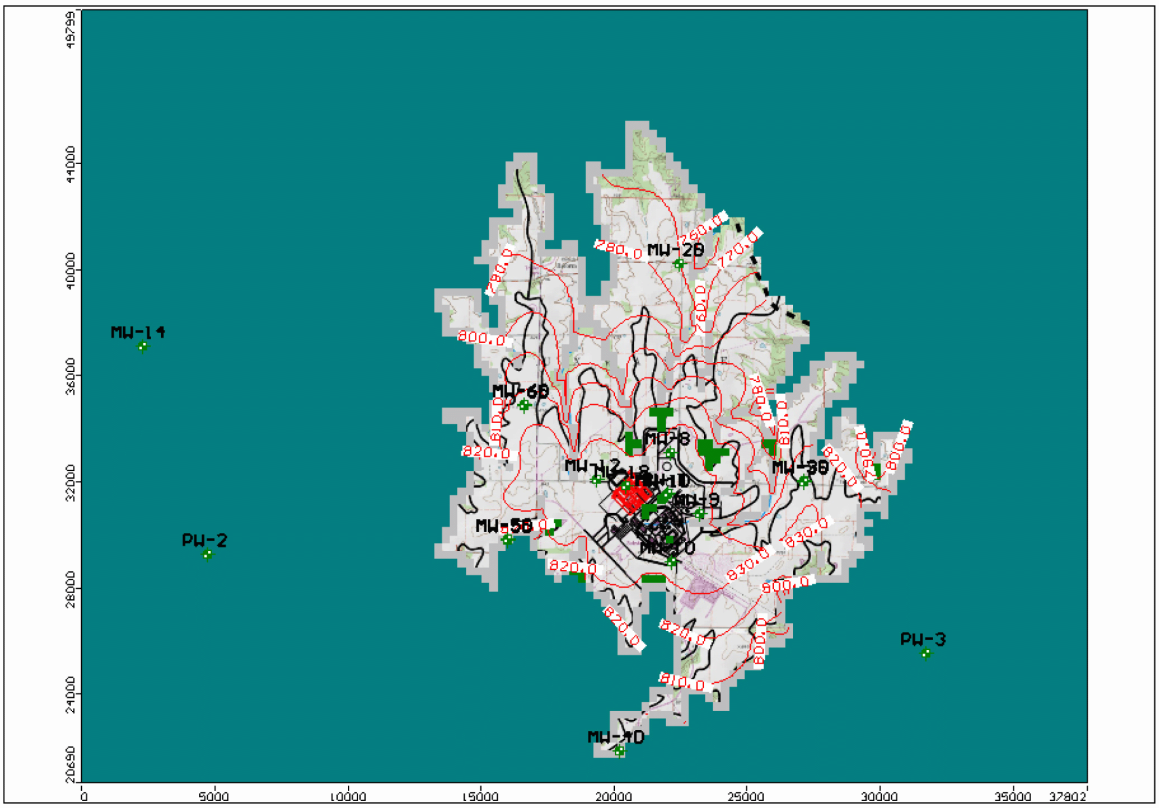
Figure 2.4-82—{Layer 1 Calibrated Groundwater Elevations}



Note: Image is a direct export from Visual MODFLOW Premium Version 4.2 Waterloo Hydrogeologic, Inc., Schlumberger Water Services, 2006. Contours are steady-state groundwater elevations in feet msl. Model scale is shown on axes in feet. Refer to text for detailed description.

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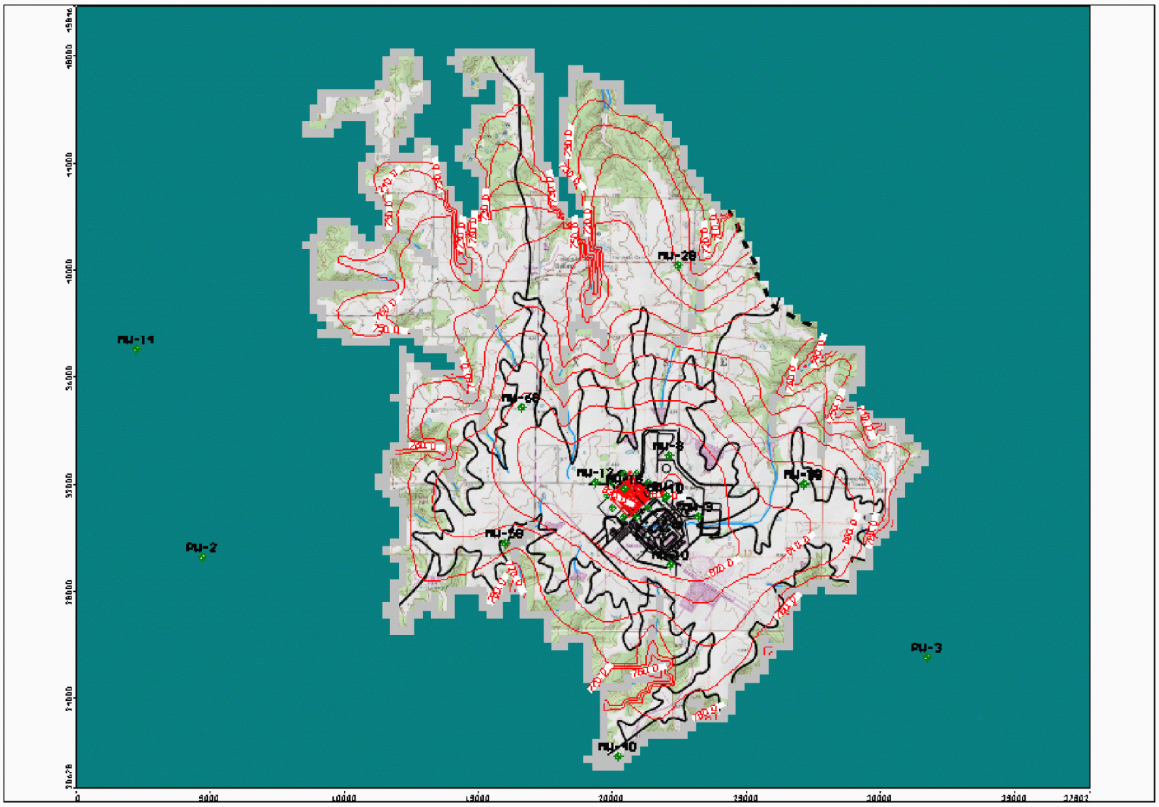
Figure 2.4-83—{Layer 2 Calibrated Groundwater Elevations}



Note: Image is a direct export from Visual MODFLOW Premium Version 4.2 Waterloo Hydrogeologic, Inc., Schlumberger Water Services, 2006. Contours are steady-state groundwater elevations in feet msl. Model scale is shown on axes in feet. Refer to text for detailed description.

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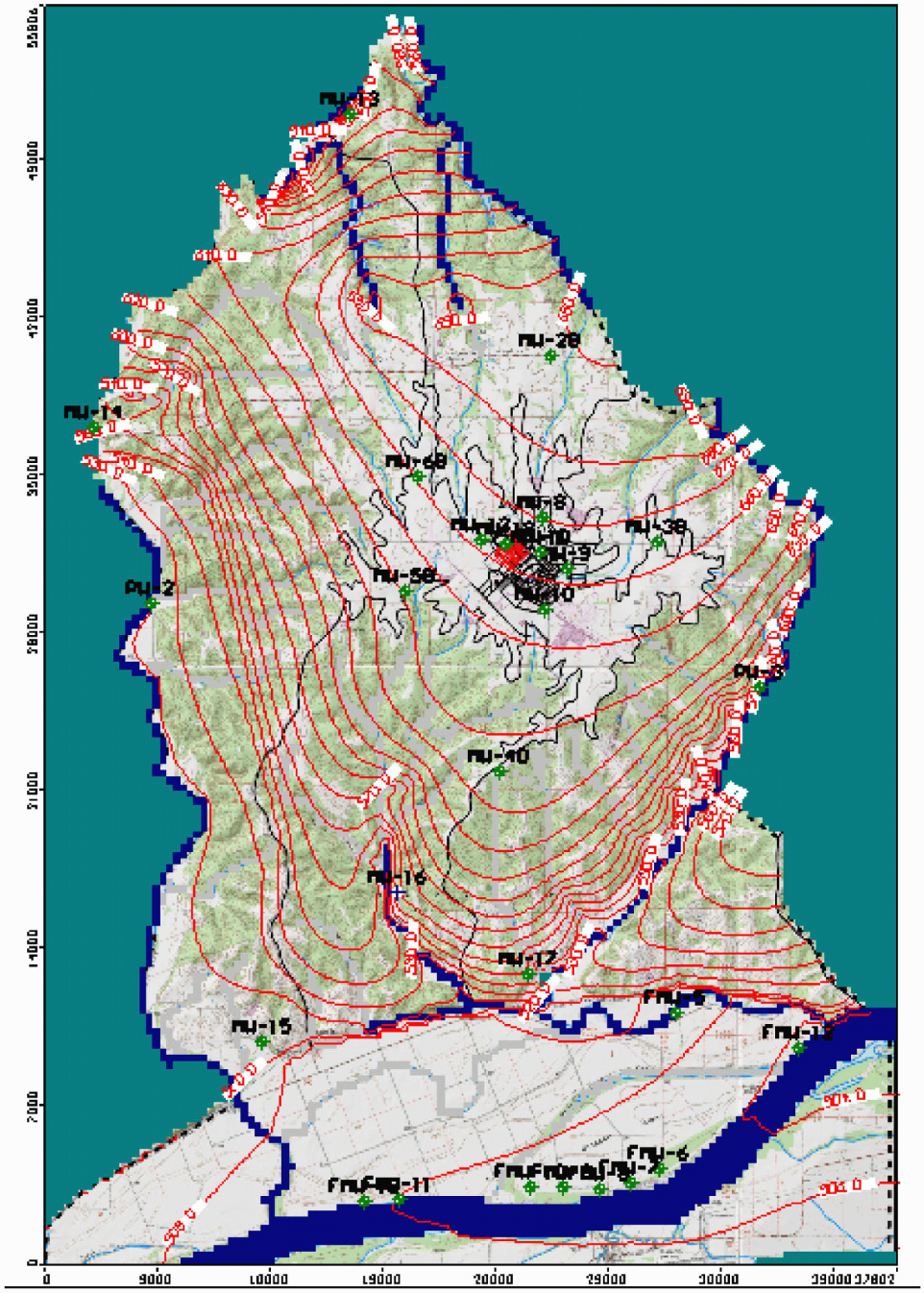
Figure 2.4-84—{Layer 3 Calibrated Groundwater Elevations}



Note: Image is a direct export from Visual MODFLOW Premium Version 4.2 Waterloo Hydrogeologic, Inc., Schlumberger Water Services, 2006. Contours are steady-state groundwater elevations in feet msl. Model scale is shown on axes in feet. Refer to text for detailed description.

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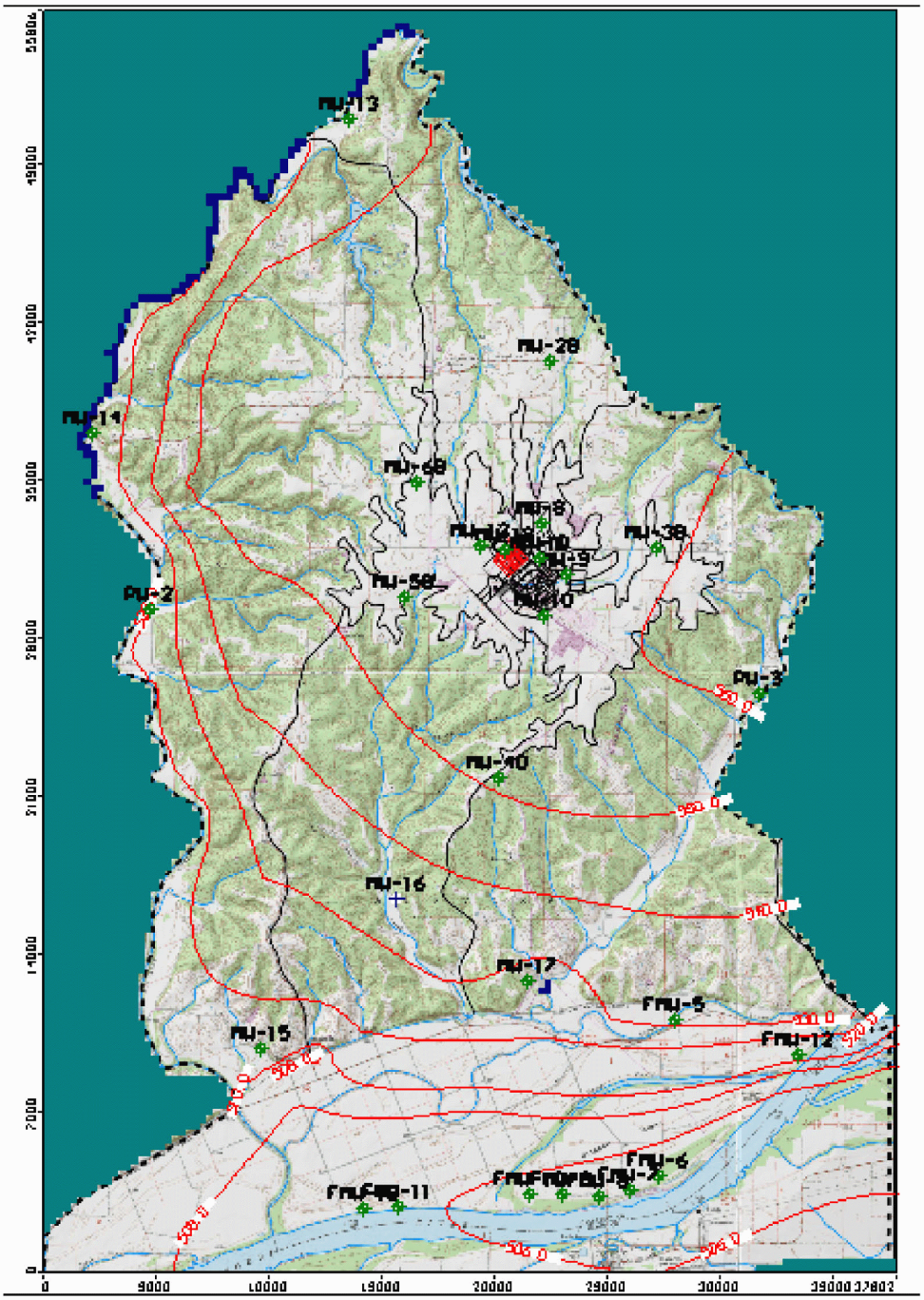
Figure 2.4-85—{Layer 4 Calibrated Groundwater Elevations}



Note: Image is a direct export from Visual MODFLOW Premium Version 4.2 Waterloo Hydrogeologic, Inc., Schlumberger Water Services, 2006. Contours are steady-state groundwater elevations in feet msl. Model scale is shown on axes in feet. Refer to text for detailed description.

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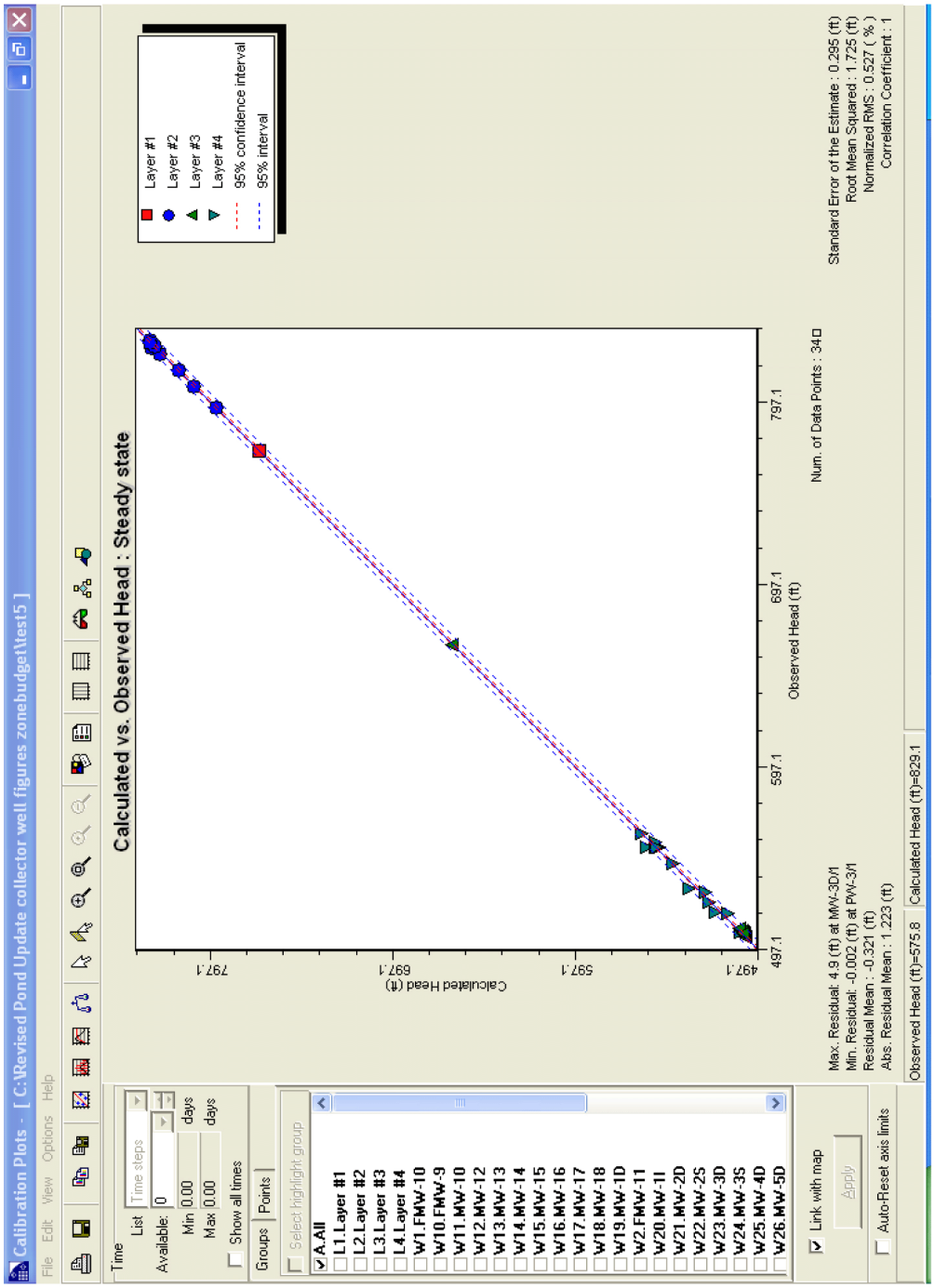
Figure 2.4-86—{Calibration Graph}



Note: Image is a direct export from Visual MODFLOW Premium Version 4.2 Waterloo Hydrogeologic, Inc., Schlumberger Water Services, 2006. Refer to text for detailed description.

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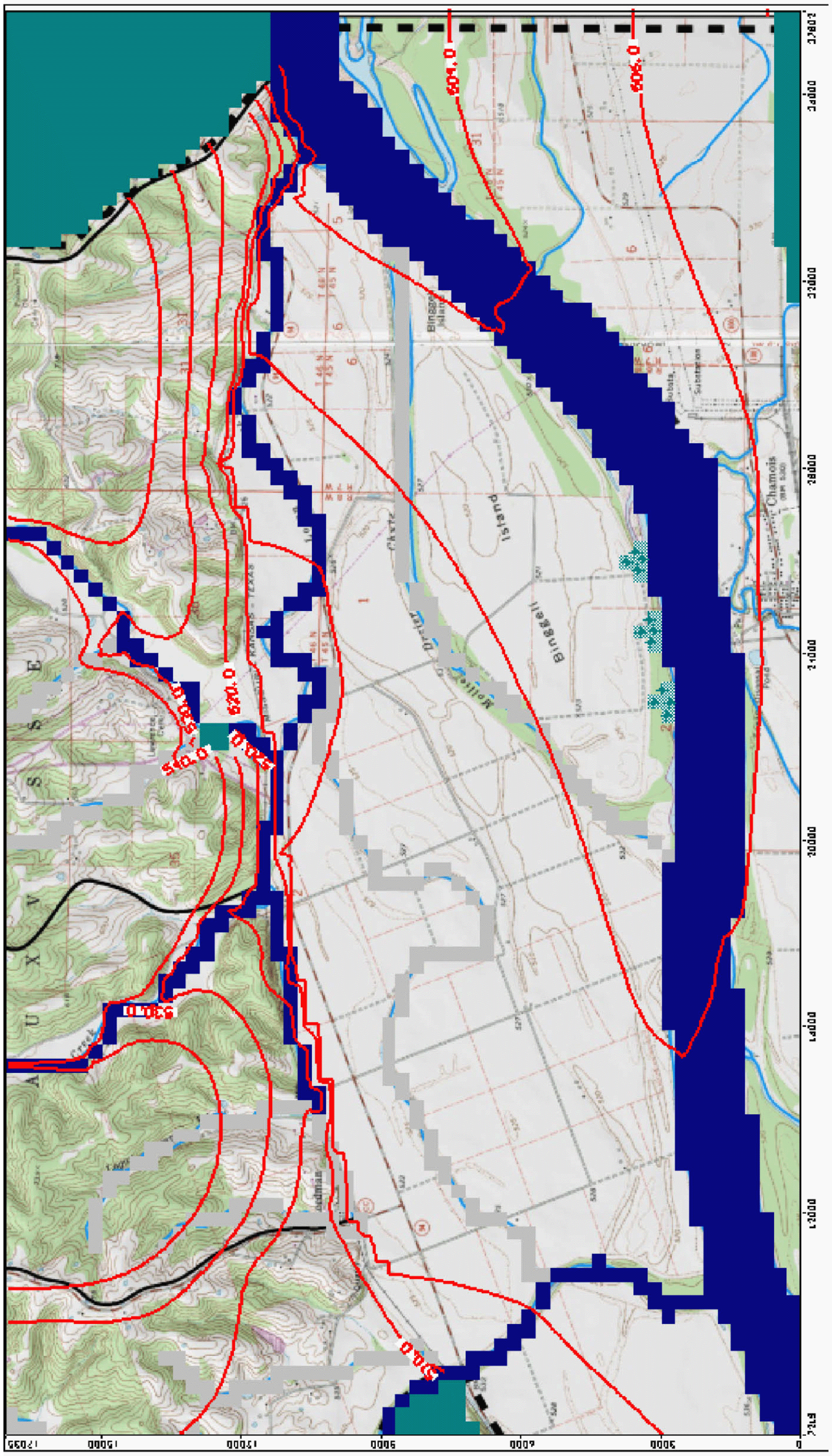
Figure 2.4-87—{Alluvial Aquifer Pre-Pumping Groundwater Elevations}



Note: Image is a direct export from Visual MODFLOW Premium Version 4.2 Waterloo Hydrogeologic, Inc., Schlumberger Water Services, 2006. Contours are steady-state groundwater elevations in feet msl. Model scale is shown on axes in feet. Refer to text for detailed description.

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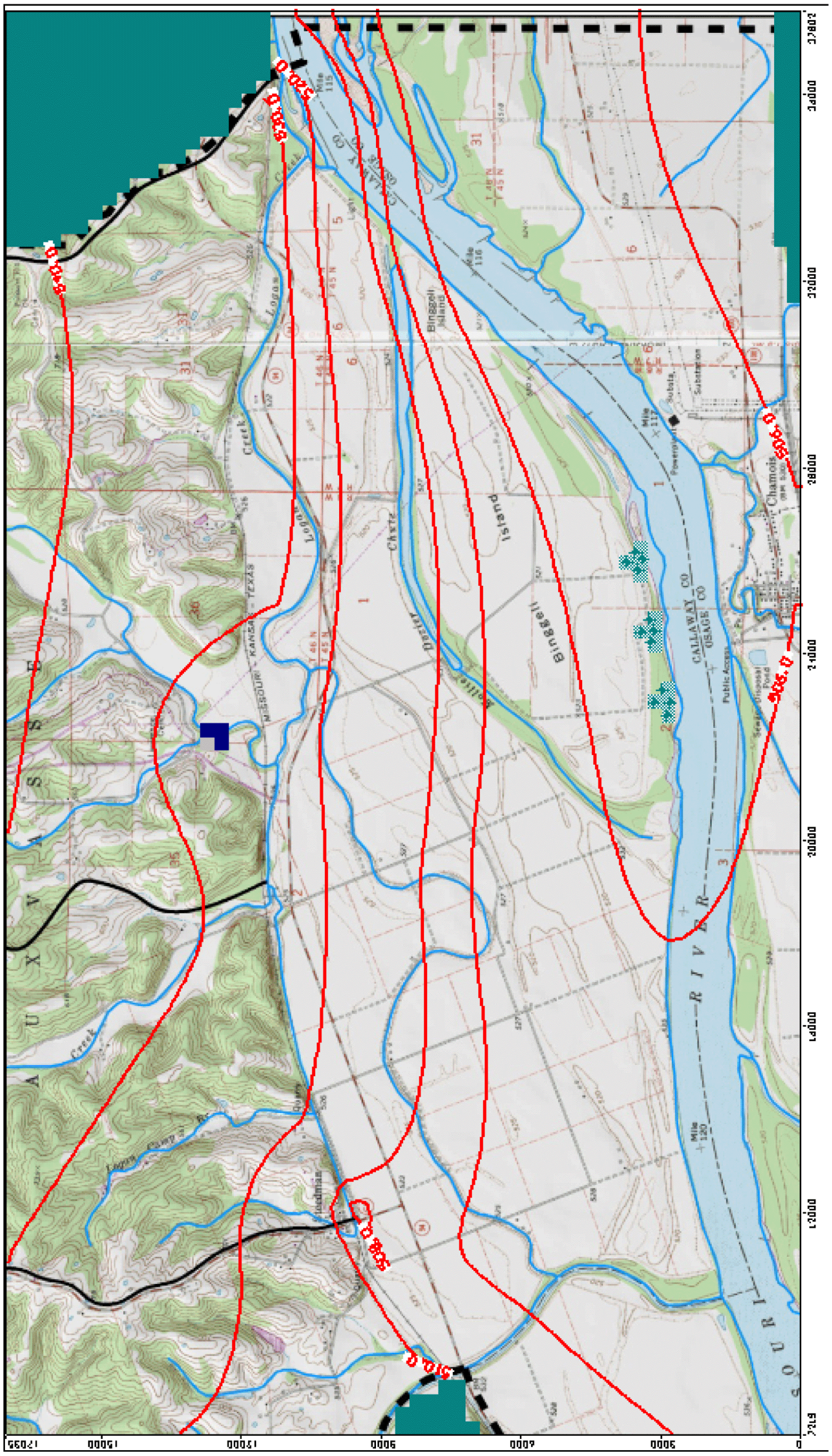
Figure 2.4-88—{CJC Aquifer Pre-Pumping Groundwater Elevations}



Note: Image is a direct export from Visual MODFLOW Premium Version 4.2 Waterloo Hydrogeologic, Inc., Schlumberger Water Services, 2006. Contours are steady-state groundwater elevations in feet msl. Model scale is shown on axes in feet. Refer to text for detailed description.

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Figure 2.4-89—{Alluvial Aquifer Drawdown}

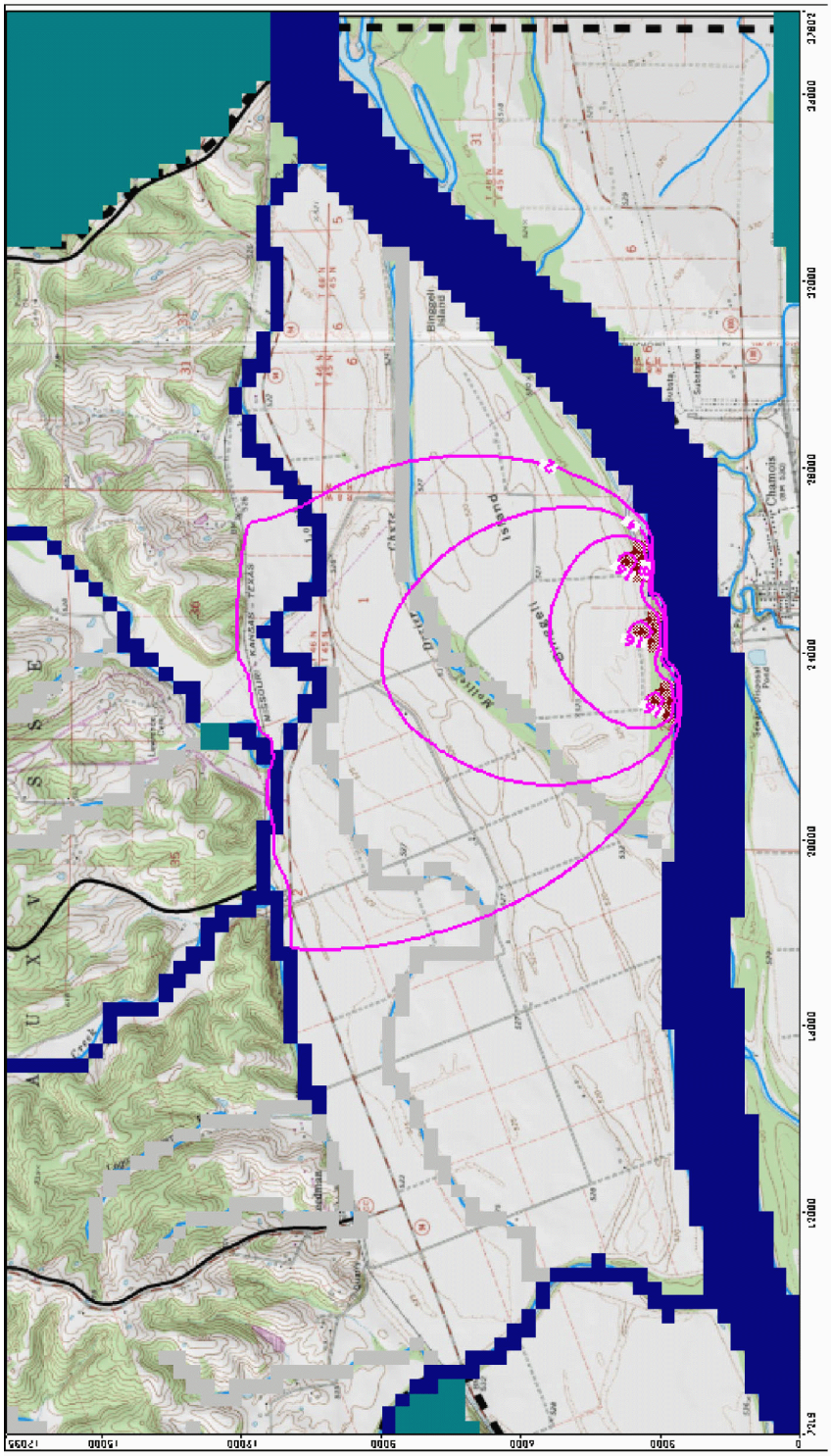


Figure 2.4-90—{CJC Aquifer Drawdown}

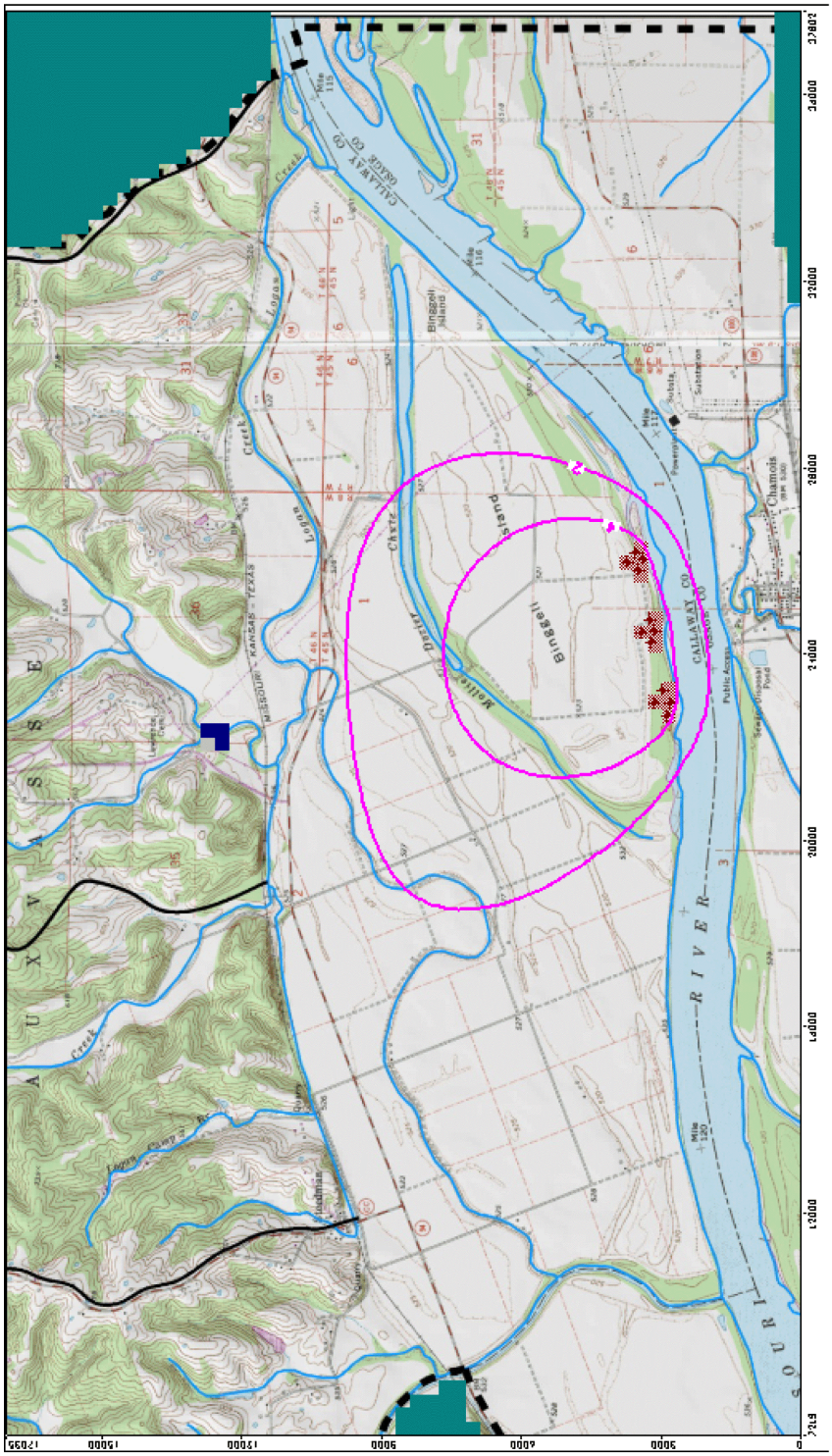
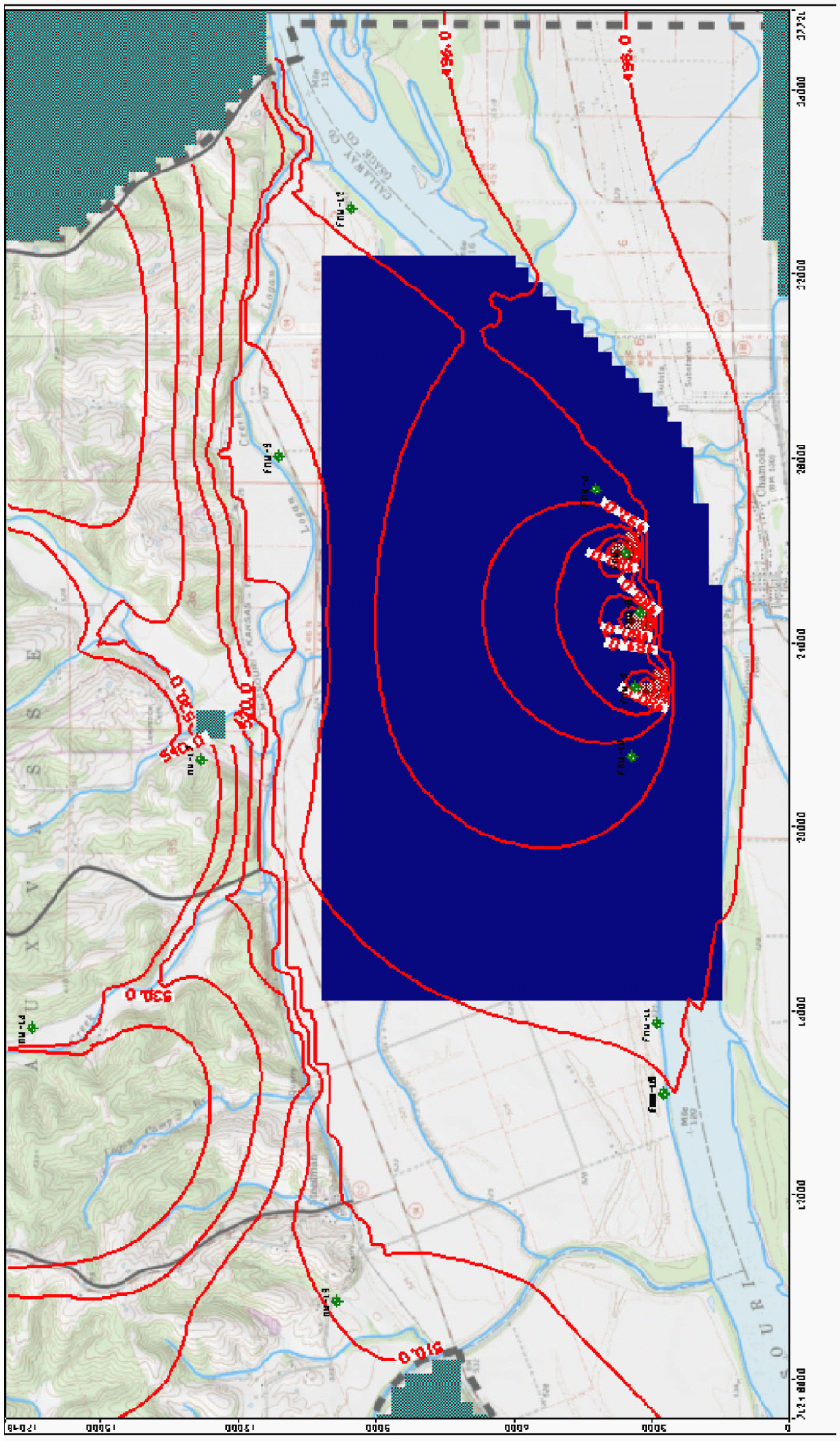


Figure 2.4-91—{Alluvial Aquifer Groundwater Elevations and Zone Budget Analysis}



Note: Contours are stead-state groundwater elevations in feet msl with the collector wells pumping during the 100-year drought.

Blue zone is the area over which Zone Budget calculations were performed. Model scale is shown on axes in feet.

Note: Image is a direct export from Visual MODFLOW Premium Version 4.2 Waterloo Hydrogeologic, Inc., Schlumberger Water Services, 2006. Refer to text for detailed description.

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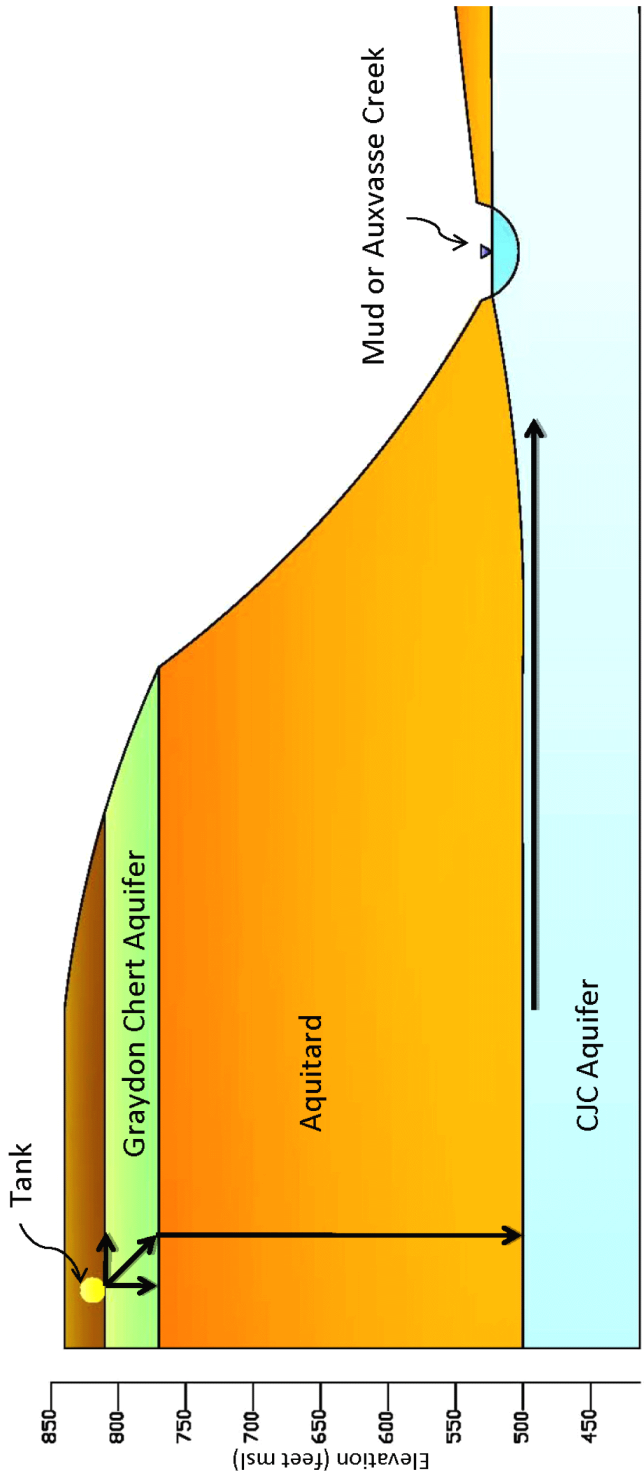
Figure 2.4-92—{Conceptual Groundwater Flow and Transport Pathways}



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