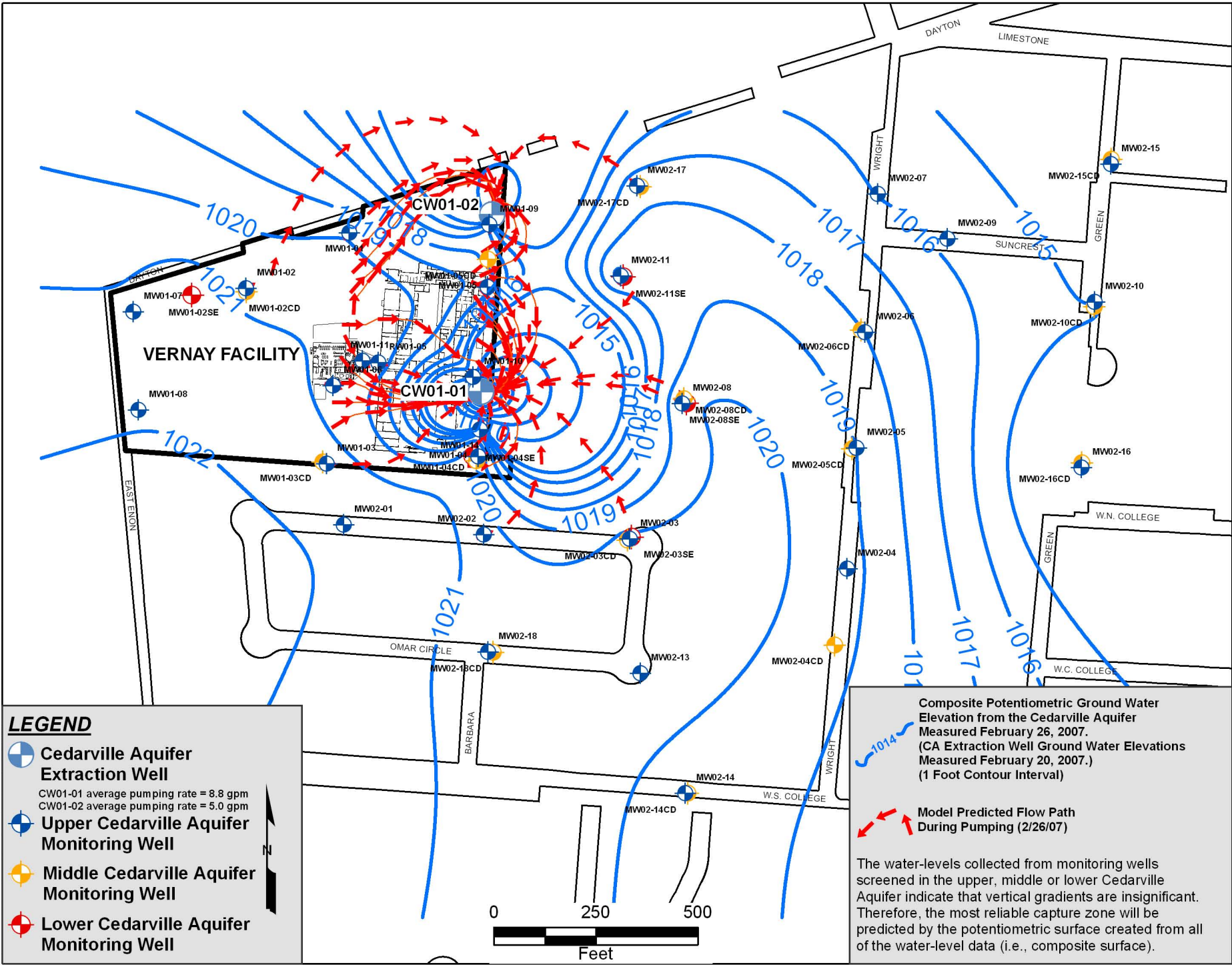






US EPA ARCHIVE DOCUMENT

APPENDIX II


**FIRST QUARTER 2007 POTENTIOMETRIC
CONTOUR MAP FOR THE CEDARVILLE AQUIFER**



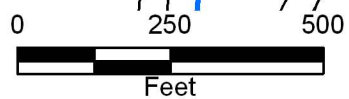
LEGEND


- 
Cedarville Aquifer Extraction Well
 CW01-01 average pumping rate = 8.8 gpm
 CW01-02 average pumping rate = 5.0 gpm
- 
Upper Cedarville Aquifer Monitoring Well
- 
Middle Cedarville Aquifer Monitoring Well
- 
Lower Cedarville Aquifer Monitoring Well

Composite Potentiometric Ground Water Elevation from the Cedarville Aquifer Measured February 26, 2007. (CA Extraction Well Ground Water Elevations Measured February 20, 2007.) (1 Foot Contour Interval)

 Model Predicted Flow Path During Pumping (2/26/07)

The water-levels collected from monitoring wells screened in the upper, middle or lower Cedarville Aquifer indicate that vertical gradients are insignificant. Therefore, the most reliable capture zone will be predicted by the potentiometric surface created from all of the water-level data (i.e., composite surface).



CLIENT	VERNAY LABORATORIES, INC.	FIGURE NO.	Appendix II	DATE	4/11/07
TITLE	CEDARVILLE AQUIFER FLOW CONDITIONS (Q1-2007)	DRAWN BY	MMH	APPROVED BY	KDK
PROJECT NO.	292.11.26	 The Payne Firm, Inc. Environmental Consultants Cincinnati / Cleveland / Chicago			
REFERENCE	Greene County Auditors, Orthophotograph (2003); State Plane Coordinates from Woodport Surveying, LLP, Dayton, Ohio (NAD83/NAD1983)				

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