

Additional Geologic Investigation

- Collected soil and rock cores
- Reviewed soil and rock cores
- Re-logged all CEC soil and rock cores
- Installed piezometers (wells)
- Performed aquifer tests
- Performed slug tests at all wells
- Collected soil samples for laboratory testing
- Measured water levels
- Determined background water quality
- Conferred with ISGS geologic experts

Geologic Layers

GROUP	FORMATION	SOIL OR ROCK TYPE	THICKNESS	SUBJECT SITE HYDROSTRATIGRAPHIC UNIT
Mason	Topsoll and/or Peoria silt	Wind-blown loess Clay	0.3 to 3 feet	Upper Confining Unit
	Equality	Glacial lake sediments Clay	0.3 to 20 feet	
Wedron	Lemont undifferentiated	Glacial diamicton and associated sediments Clay, Silt	0 to 20.6 feet	
Galena	undifferentiated	Limestone, Dolomite, and Dolomitic Limestone thin shale beds in the lower 15 feet	Approximately 160 to 177 feet	Galena Aquifer
Platteville	undifferentiated	Limestone, Dolomite, and Dolomitic Limestone, with occasional shale partings and chert	Approximately 165 feet	Lower Confining Unit
Ancell	St. Peter Sandstone	Sandstone	Greater than 200	Cambrian-Ordovician Aquifer

Village of Minooka's Exhibit 5 representing the hard copy of the Power Point slide on page 2 of Joan Underwood's direct examination.