



Figure 24. Thickness of the (a) Mahomet aquifer (b) Lower Middle aquifer (c) Upper Middle aquifer (d) Shallow aquifer in Champaign County. The green line shows HTEM data extent in southern Champaign County. The blue line is the new boundary of the Mahomet aquifer interpreted from HTEM data. The green line shows HTEM data extent in southern Champaign County. The dashed lines mark the locations of the cross sections (Figure 23) through the hydrostratigraphic model.

6.3.2 Buried channels

One of the goals of this project was to delineate, within the capabilities of the HTEM data, the distribution of ‘buried channels’ that are associated with the Mahomet aquifer. To avoid confusion as to what these channels are, how they are defined, and what they represent, we address these issues here. In the context of this project and report, we define buried channels to be channel-like features, within the HTEM material-type interpretations, which are located