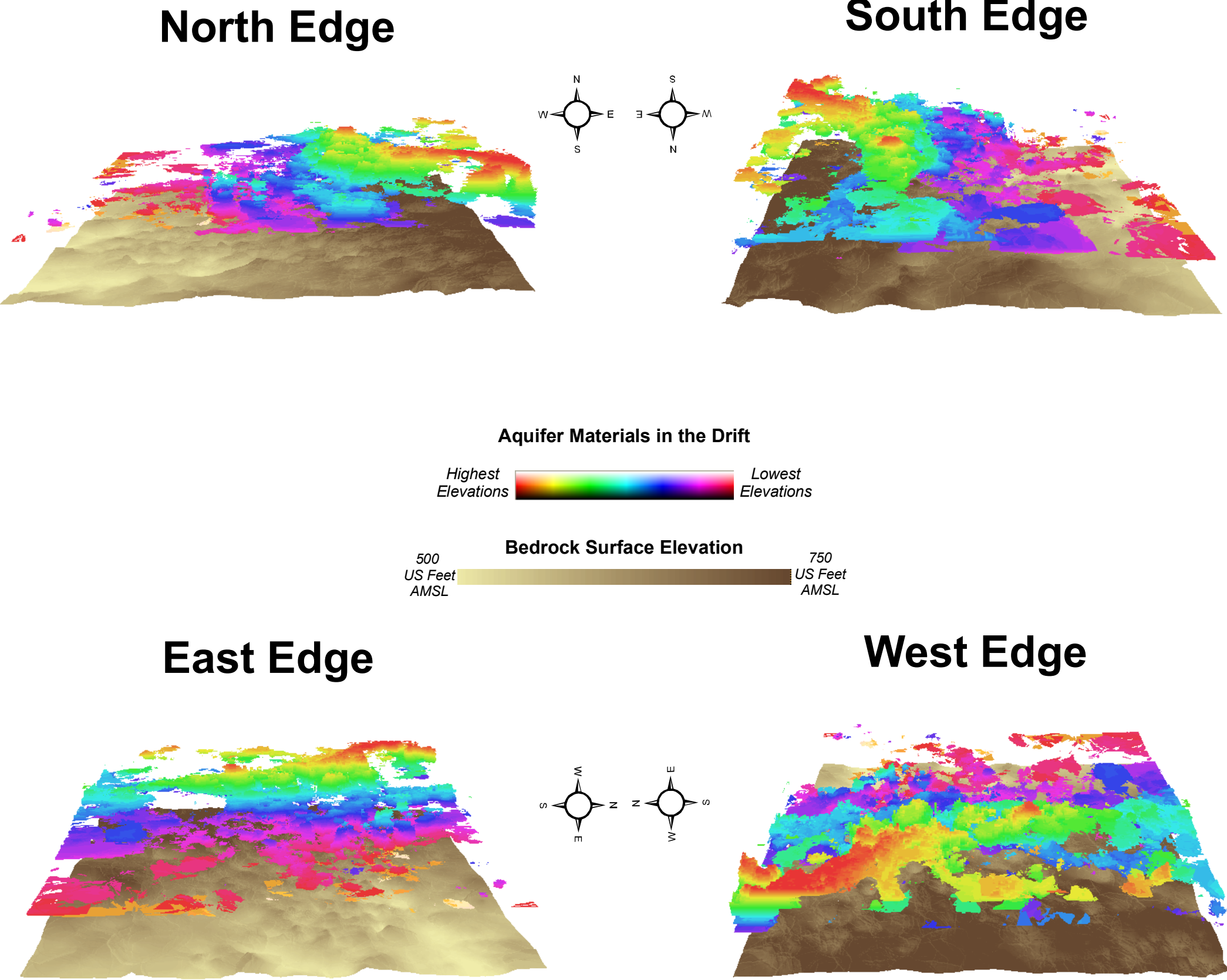


Three Dimensional Distribution of Aquifer Materials in the BACOG Area



Figure 3



Connie Pokorny - May, 2008

The graduated color scheme indicates the aquifer units located on top of the shallow bedrock in the BACOG study area.

Raw well point data from the ISGS was purchased then sorted and examined for quality control and queried for depth and hydroconductivity. Hydroconductivity was assigned by Dr. Kurt Thomsen

To interpolate this surface, ArcGIS Spatial Analyst Extension and the kriging method were used. Aquiclude and aquitard materials were removed so that only aquifer materials are symbolized on this figure.

Sources of the data are the Barrington Area Geographic Information System (BAGIS 5) and Lake, Cook, Kane and McHenry Counties. Well data is from the Illinois State Geological Survey.

