Traditional field mapping combined with subsurface data were used in a Geographic Information Systems (GIS) layout to project approximate unit contacts at the surface in areas where direct observation was not possible.

Step 5

A TIN elevation model was created to match the raster (digitized) bedrock geology map. Contour this TIN surface using a spatial analyst extension.

Toolbox>Spatial Analyst Tools>Contour

Step 6

Output Features: name your shapefile

Z factor: 1

Base Contour: 0

Contour Interval: 10000 or some other unachievably high number (IMPORTANT!)

Spatial Analyst>Surface>Contour

www.wvgs.wvnet.edu/www/NationalPark/dl-WVGES.htm

The New River Bridge foundation is in the Lower Raleigh sandstone, and the Nuttall sandstone crops out above the bridge.

REFERENCES


Hunt, P.J., K.L. Wilson, J.S. McColloch, and G.H. McColloch, 2010, Gauley River National Recreation Area (two quadrangles in the north), Bluestone National Scenic River (two quadrangles in the south), and New River Gorge National River (ten quadrangles in the middle). The Geologic Resources Division of the National Parks Service to map the bedrock geology of fourteen contiguous 7½ minute quadrangles in the study area. The NPS protects over 53 miles (85 km) of the New River Gorge National River, from Hawks Nest Lake near Hawks Nest in Summers County to the Bluestone Dam near Hinton in Fayette County. The map area was divided into four sheets, each containing two or three quadrangles printed at 1:24,000. Traditional field mapping combined with subsurface data were used in a Geographic Information Systems (GIS) layout to project approximate unit contacts at the surface in areas where direct observation was not possible. The map area was divided into four sheets, each containing two or three quadrangles printed at 1:24,000. The study area is located in gently folded anastomosing sands and muds. The whole map area was divided into four sheets, each containing two or three quadrangles printed at 1:24,000. The study area is located in gently folded anastomosing sands and muds.