The Stanley Shale is composed of interbedded gray shale, gray to gray sandstone, and very fine quartz sandstone. The shale stability is due to the presence of the Stanley Shale and the Pike Gravel Member of the Trinity Group. These units are likely to merge near the Arkansas border. The Pike Gravel Member is a bedded gravel composed of bedded pebbles (70 to 100 pounds) and gravelly sand. The Holly Creek Member is composed of cross bedded sandstone and gravel. The DeQueen Limestone Member is composed of interbedded gray fossiliferous limestone and gray and green sandstone. The DeQueen and Caddo Gap Quadrangles, Arkansas: Arkansas Geological Survey.

References


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