

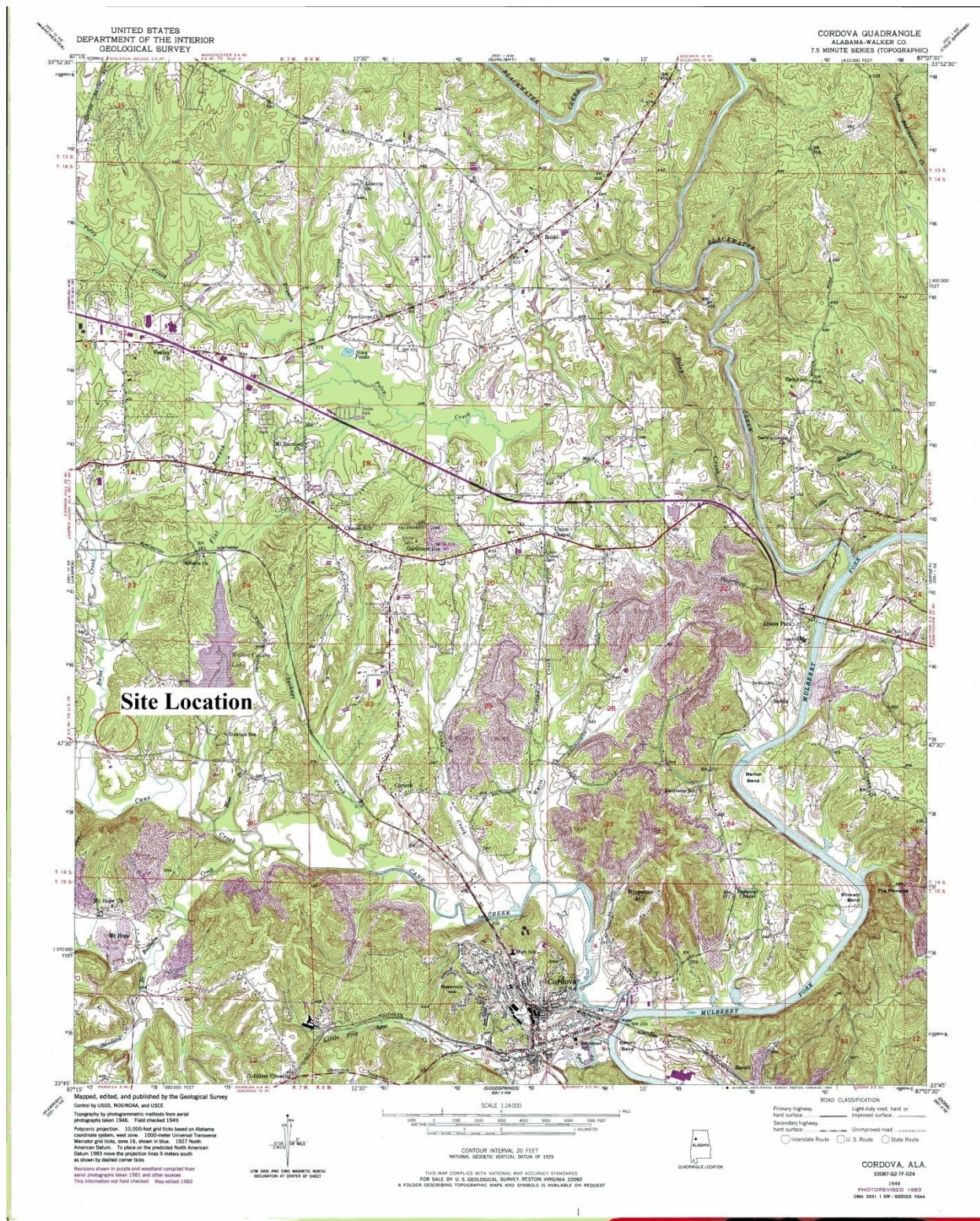
The project described herein is located in Walker County, Alabama. This will be the site of the new Chevrolet and Cadillac dealership in Jasper, Alabama. The project site consists of 30.22 acres of previously undeveloped, rural land which is to be graded and developed. Approximately 400,000 cubic yards of earthwork will be necessary. The existing topography is hilly. There are two upstream drainage sub-basins which drain across the site and one which drains just to the West of the site. The properties immediately surrounding the site are currently undeveloped.

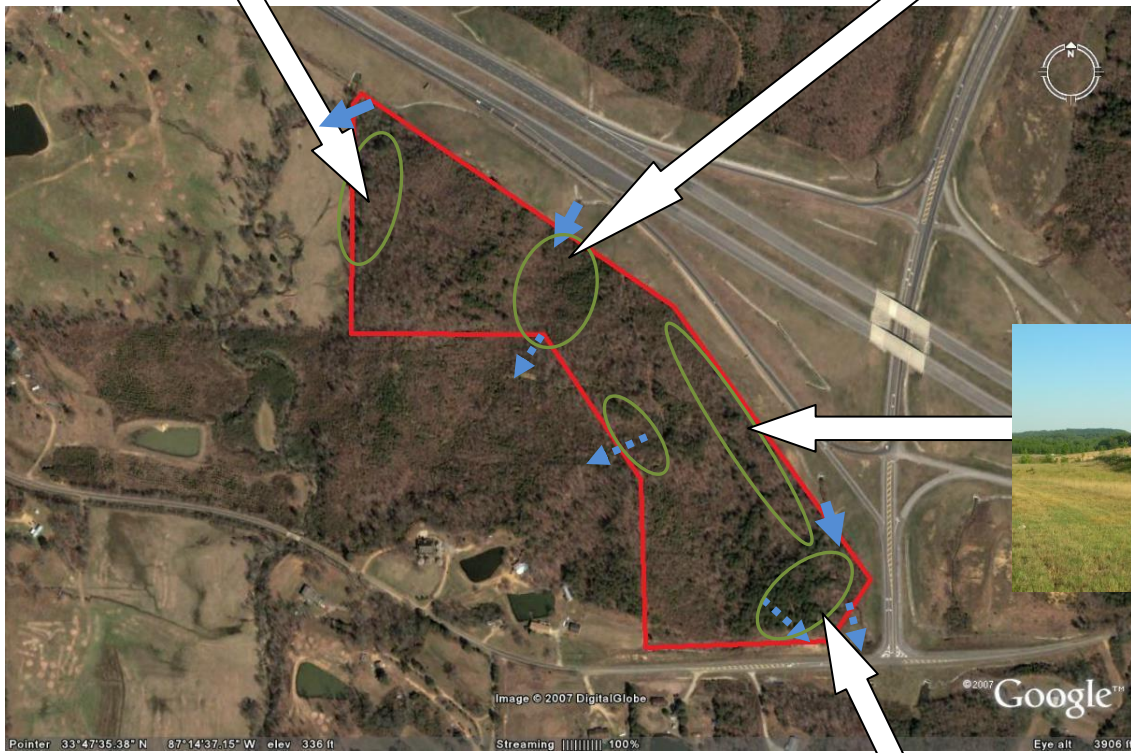
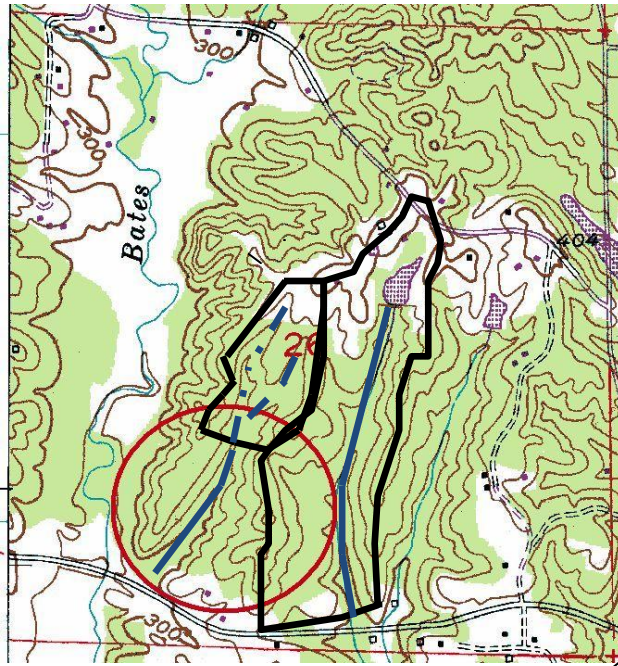
Currently the site has been cleared and grubbed and topsoil has been stockpiled. Erosion control devices such as filter fabric fences and riprap have been installed. The surrounding areas, including upstream drainage areas, have well established vegetation. There are no residential areas located immediately downslope from the site. No lakes are located immediately downstream from the site. The site is bordered by a stream on the western side, roads to the North, East and a portion to the South. The remaining portion to the South is bordered by undeveloped, wooded land. Special care should be taken to limit sedimentation in the stream bordering to the West and in the road culverts to the South and East.




The predominant soils on the site are classified as StE—Sunlight-Townley complex with 15 to 45 percent slopes. The average estimated depth according to the Walker County, AL soil survey is ten to twenty inches to paralithic bedrock. The soils are expected to be well drained with a depth to the water table of more than eighty inches.

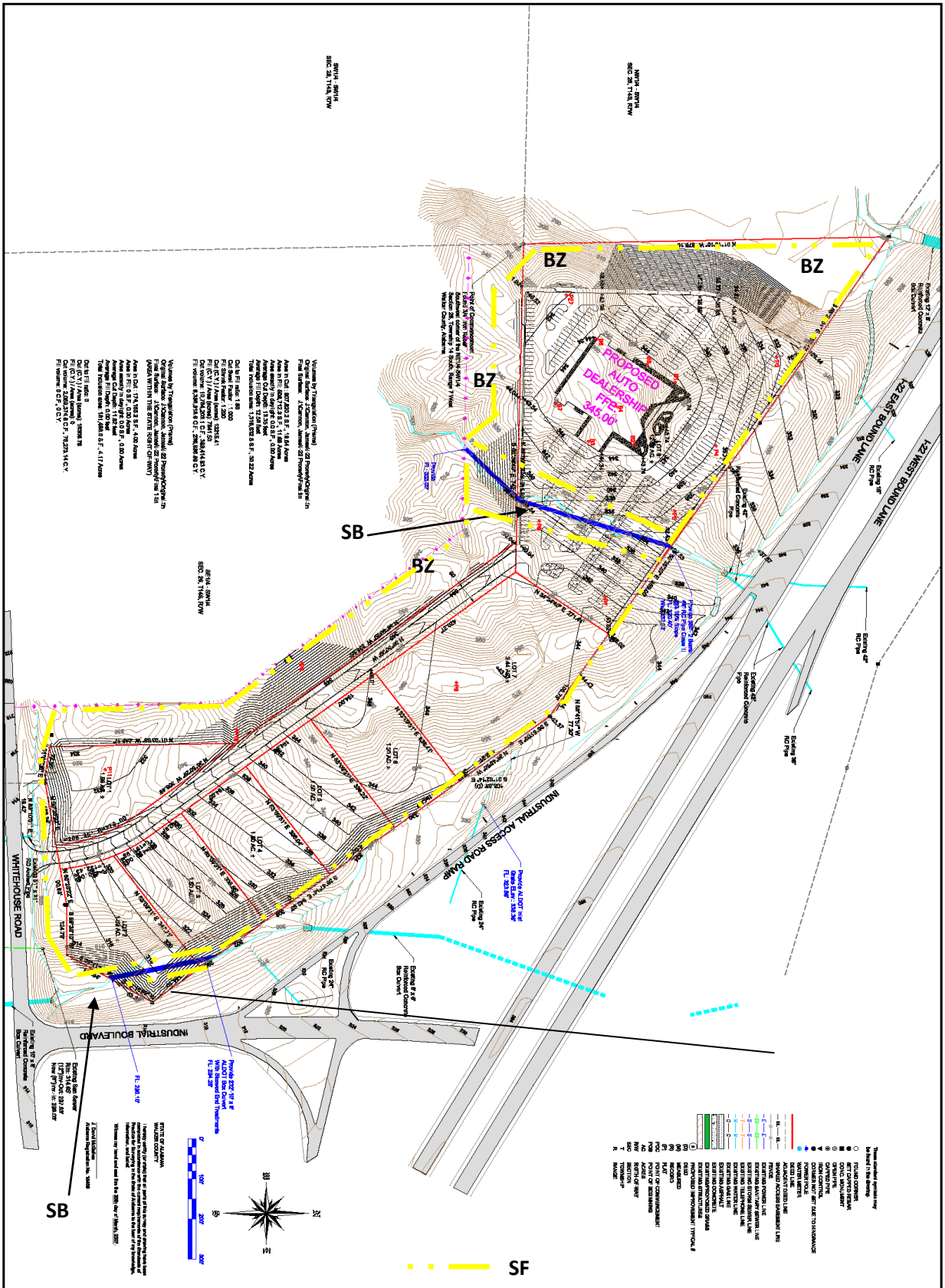
Permanent stabilization measures and stormwater management considerations will be visited once more data is collected and analyzed. Maintenance for temporary and permanent erosion and sediment control devices are to be determined.

Most of the site is in the moderate to high categories for erosion hazard during the initial (clearing and grubbing) stage. Once final grade is achieved most of the site should be in the low to moderate erosion hazard criteria.



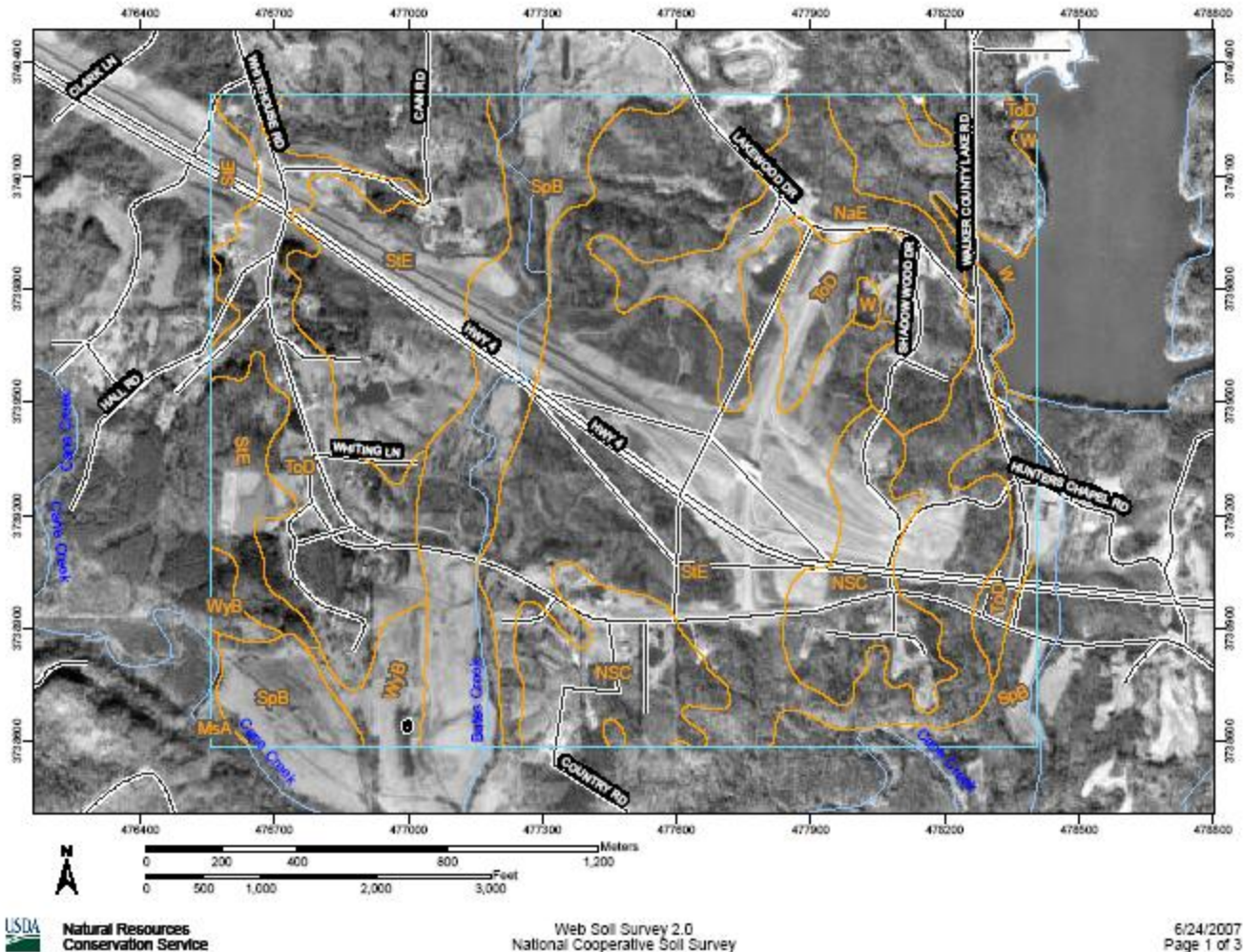


-  Drainage flowing onto and/or across portions of the project site
-  Drainage flowing off of the site
-  Critical erosion areas



<p>REVISIONS</p> <p>1. PRELIMINARY SUBMITTAL</p>	<p>PRELIMINARY GRADING PLAN</p> <p>JAMES CANNON I-22 AND INDUSTRIAL PARKWAY DEVELOPMENT JASPER, ALABAMA</p>		<p>DSM DESIGN GROUP, LLC ENGINEERING / SURVEYING 78 SAINT JAMES PLACE JASPER, ALABAMA 35890 TELEPHONE: 205.281.6262</p>
<p>DRAWN BY: S.A.M.</p> <p>DATE: 08/04/07</p> <p>JOB NUMBER: DSM 506</p> <p>SHEET NUMBER: C2-RO</p>	<p>CHECKED BY: J.M.M.</p> <p>DATE: 08/04/07</p>	<p>STATUS: PRELIMINARY NOT FOR CONSTRUCTION</p>	

Soil Map—Walker County, Alabama



Walker County, Alabama

StE—Sunlight-Townley complex, 15 to 45 percent slopes

Map Unit Setting

- Elevation: 50 to 1,600 feet
- Mean annual precipitation: 48 to 56 inches
- Mean annual air temperature: 57 to 64 degrees F
- Frost-free period: 190 to 210 days

Map Unit Composition

- Sunlight and similar soils: 45 percent
- Townley and similar soils: 40 percent
- Minor components: 2 percent

Description of Sunlight**Setting**

- *Landform*: Hillslopes
- *Landform position (two-dimensional)*: Backslope
- *Landform position (three-dimensional)*: Side slope
- *Down-slope shape*: Linear
- *Across-slope shape*: Convex
- *Parent material*: Loamy residuum weathered from sandstone

Properties and qualities

- *Slope*: 15 to 45 percent
- *Depth to restrictive feature*: 10 to 20 inches to paralithic bedrock
- *Drainage class*: Well drained
- *Capacity of the most limiting layer to transmit water (Ksat)*: Very low to moderately high (0.00 to 1.13 in/hr)
- *Depth to water table*: More than 80 inches
- *Frequency of flooding*: None
- *Frequency of ponding*: None
- *Available water capacity*: Very low (about 1.5 inches)

Interpretive groups

- *Land capability (nonirrigated)*: 7e

Typical profile

- *0 to 3 inches*: Channery silt loam
- *3 to 5 inches*: Channery silty clay loam
- *5 to 12 inches*: Very channery silty clay loam
- *12 to 80 inches*: Weathered bedrock

Description of Townley**Setting**

- *Landform*: Hillslopes
- *Landform position (two-dimensional)*: Backslope
- *Landform position (three-dimensional)*: Side slope
- *Down-slope shape*: Linear
- *Across-slope shape*: Convex
- *Parent material*: Clayey residuum weathered from shale

Properties and qualities

- *Slope*: 15 to 45 percent
- *Depth to restrictive feature*: 20 to 40 inches to paralithic bedrock
- *Drainage class*: Well drained
- *Capacity of the most limiting layer to transmit water (Ksat)*: Very low to moderately high (0.00 to 0.20 in/hr)
- *Depth to water table*: More than 80 inches
- *Frequency of flooding*: None
- *Frequency of ponding*: None

- *Available water capacity:* Low (about 5.2 inches)

Interpretive groups

- *Land capability (nonirrigated):* 7e

Typical profile

- *0 to 7 inches:* Silt loam
- *7 to 27 inches:* Clay
- *27 to 36 inches:* Clay
- *36 to 80 inches:* Weathered bedrock

Minor Components**Bibb**

- *Percent of map unit:* 1 percent
- *Landform:* Drainageways
- *Landform position (two-dimensional):* Toeslope
- *Landform position (three-dimensional):* Dip
- *Down-slope shape:* Concave
- *Across-slope shape:* Concave

Kinston

- *Percent of map unit:* 1 percent
- *Landform:* Drainageways
- *Landform position (two-dimensional):* Toeslope
- *Landform position (three-dimensional):* Dip
- *Down-slope shape:* Concave
- *Across-slope shape:* Concave

