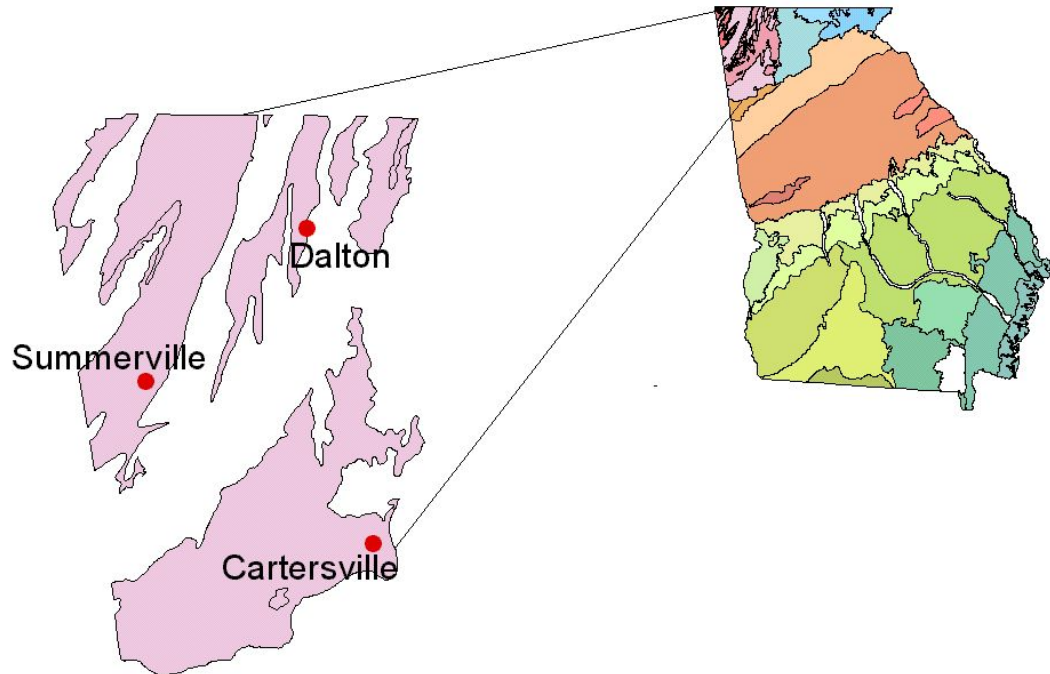




**GADNR/EPD Multi-Metric Macroinvertebrate Indices  
Southern Limestone/Dolomite Valleys & Low Rolling Hills  
and Southern Dissected Ridges & Knobs (67f&i) subecoregion**

**67f&i - Southern Limestone/Dolomite Valleys & Low Rolling Hills  
and Southern Dissected Ridges & Knobs**



**67f.** The **Southern Limestone/Dolomite Valleys and Low Rolling Hills** form a heterogeneous region composed predominantly of limestone and cherty dolomite. Landforms are mostly undulating valleys and rounded ridges and hills, with many caves and springs. Soils vary in their productivity, and land cover includes oak-hickory and oak-pine forests, pasture, intensive agriculture, and urban and industrial. Along the Coosa River floodplain, biota more typical of coastal plain regions can be found due to the valley and riverine connection to ecoregion 65 in Alabama. **67i.** The **Southern Dissected Ridges and Knobs** contain crenulated, broken, or hummocky ridges. Although shale is common, there is a mixture and interbedding of geologic materials, including cherts, siltstone, sandstone, and quartzose limestone. Oak forests and pine forests are typical for the higher elevations of the ridges, with oak-hickory and a number of more mesic forest species on the lower slopes, knobs, and draws.



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**Index 67f&i - Southern Limestone/Dolomite Valleys & Low Rolling Hills and  
Southern Dissected Ridges & Knobs**

<b>Metric</b>	<b>Metric Category</b>
EPT Taxa	Richness
Plecoptera Taxa	
% EPT	Composition
NCBI	Tolerance
Scraper Taxa	Functional Feeding Group
% Clinger	Habit

**Description of Numeric Ranking for Subcoregion 67f&i – Southern  
Limestone/Dolomite Valleys & Low Rolling Hills and Southern Dissected  
Ridges & Knobs**

n=all reference and impaired sites in Subcoregion 67f&i

<b>Index Score</b>	<b>Numeric Ranking</b>	<b>Percentile n = 10</b>
81 and above	1	Above 95th
74-80	2	Below 95 <sup>th</sup> , Above 75th
28-73	3	Below 75 <sup>th</sup> , Above 25th
21-27	4	Below 25 <sup>th</sup> , Above 5th
20 and below	5	Below 5 <sup>th</sup>



**GADNR/EPD Multi-Metric Macroinvertebrate Indices  
Southern Limestone/Dolomite Valleys & Low Rolling Hills  
and Southern Dissected Ridges & Knobs (67f&i) subcoregion**

**Stream rating based on Numeric Ranking**

<b>Numeric Ranking</b>	<b>Narrative Description</b>	<b>Stream Health Rating</b>	<b>Management Decision</b>
1	Very good	<b>A</b>	Continue periodic monitoring to detect change in baseline reference condition
2	Good		
3	Fair	<b>B</b>	Frequent monitoring critical to detect change in ecological status, lower range especially
4	Poor	<b>C</b>	Frequent monitoring necessary to determine remediation needs and if remediation has been successful
5	Very poor		