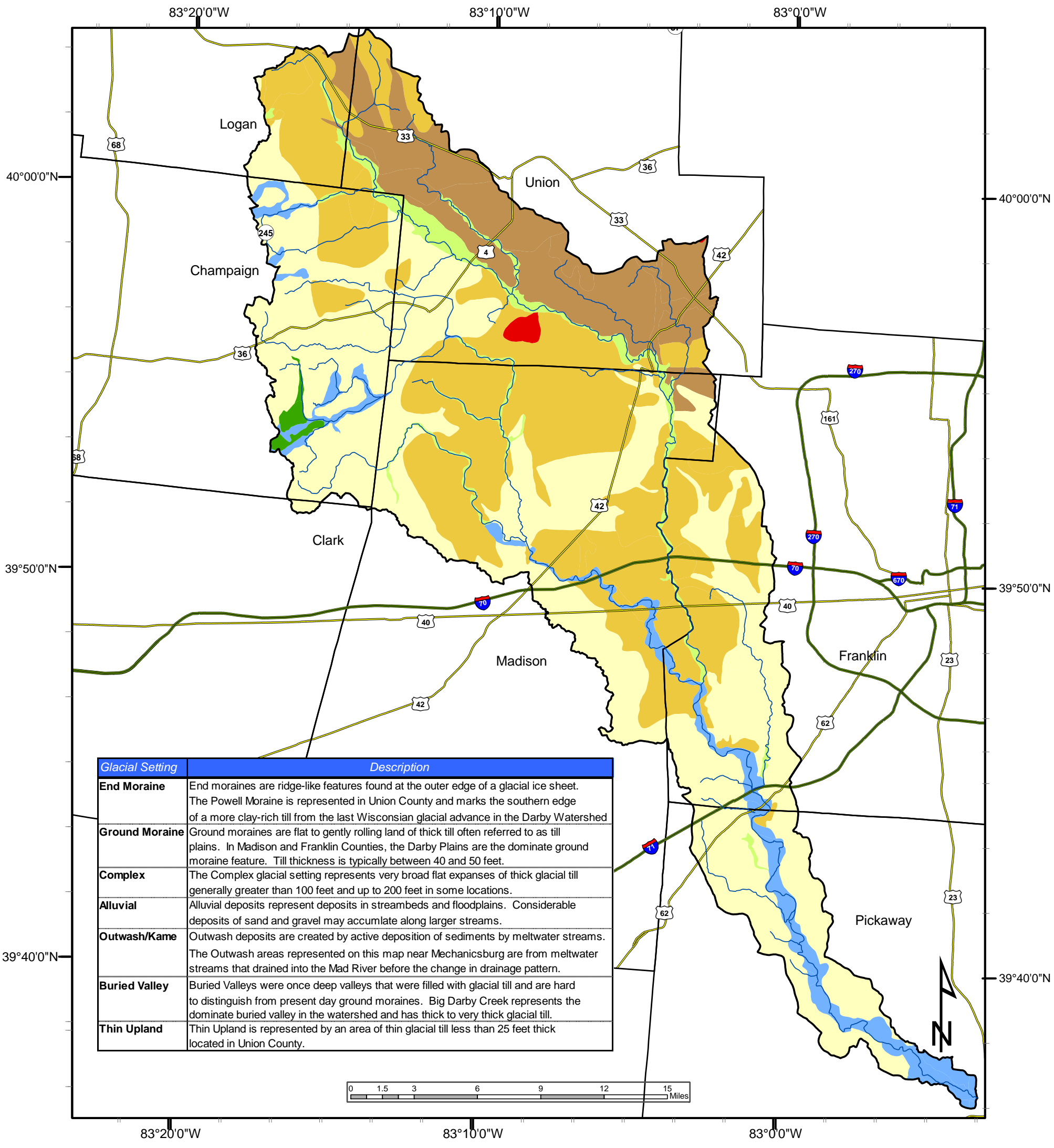
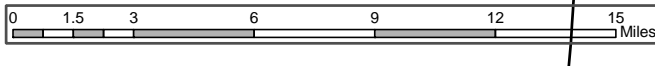


# Map 2 - Glacial Setting in Darby Creek Watershed



Glacial Setting	Description
<b>End Moraine</b>	End moraines are ridge-like features found at the outer edge of a glacial ice sheet. The Powell Moraine is represented in Union County and marks the southern edge of a more clay-rich till from the last Wisconsin glacial advance in the Darby Watershed.
<b>Ground Moraine</b>	Ground moraines are flat to gently rolling land of thick till often referred to as till plains. In Madison and Franklin Counties, the Darby Plains are the dominate ground moraine feature. Till thickness is typically between 40 and 50 feet.
<b>Complex</b>	The Complex glacial setting represents very broad flat expanses of thick glacial till generally greater than 100 feet and up to 200 feet in some locations.
<b>Alluvial</b>	Alluvial deposits represent deposits in streambeds and floodplains. Considerable deposits of sand and gravel may accumulate along larger streams.
<b>Outwash/Kame</b>	Outwash deposits are created by active deposition of sediments by meltwater streams. The Outwash areas represented on this map near Mechanicsburg are from meltwater streams that drained into the Mad River before the change in drainage pattern.
<b>Buried Valley</b>	Buried Valleys were once deep valleys that were filled with glacial till and are hard to distinguish from present day ground moraines. Big Darby Creek represents the dominate buried valley in the watershed and has thick to very thick glacial till.
<b>Thin Upland</b>	Thin Upland is represented by an area of thin glacial till less than 25 feet thick located in Union County.



**Legend**

- Major Streams
- Interstates
- Darby Creek Watershed
- U.S. Routes
- County Boundary

**Glacial Setting**

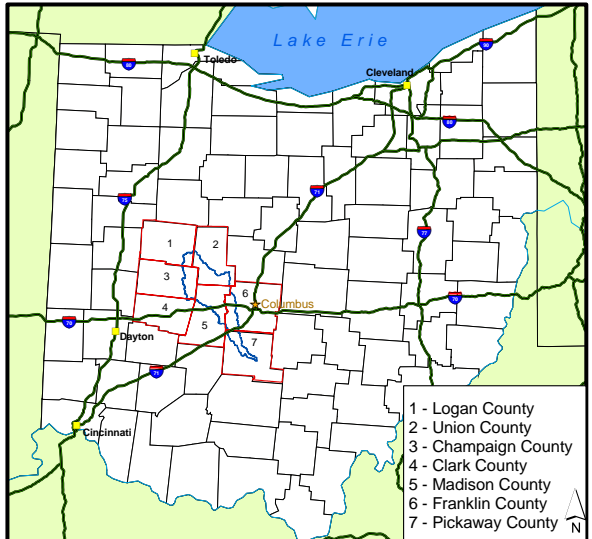
- End Moraine
- Ground Moraine
- Complex
- Alluvial
- Outwash/Kame
- Buried Valley
- Thin Upland

**Data Sources**

- Roads Layers
  - TIGER Line Data, 2000
- Major Streams
  - National Hydrography Dataset
- County Boundary
  - TIGER Line Data, 2000
- Darby Watershed Boundary
  - From 11 Digit Watersheds; NRCS, 1999
- Glacial Setting
  - ODNR, Division of Water, 2000

Coordinate System  
UTM Zone 17N, NAD 1983  
Meters

Map Creator  
Ben Webb  
-Watershed Coordinator-  
November, 2003



Glacial Setting

Map 2