

Criteria for determining river basin signs locations for educational purposes:

1. Sign locations are determined based on GIS layers, including roads, river basin boundaries, and major streams. The specific data layers used for North Carolina are:
 - a. NC Department of Transportation County Road GIS data sets (1:24,000+ scale)
 - b. NC Center for Geographic Information and Analysis' Hydrologic Units - NC GIS data set (1:24,000 scale)
 - c. NC CGIA's Major Hydrography GIS data set (1:100,000 scale)
2. Signs are located at the intersection of major roads (i.e., Interstate, US, or State Highways) and river basin boundaries (e.g., Roanoke River Basin, Cape Fear River Basin, etc.). These signs read, "Entering the X River Basin".
3. Signs are located at crossings of major roads and major streams (i.e., named streams with a significant perennial flow and visible from the road). These signs read, "X River Basin".
4. Signs are distributed throughout each river basin.
5. Signs placed at stream crossings should be located at both sides of a bridge, preferably on the same post as the sign naming the stream.
6. Signs placed at river basin boundaries should be placed at a ridgeline, or near a ridgeline on the slope within the referenced river basin.
7. All signs should be placed within clear view of oncoming vehicle passengers.