

Mississippi Digital Earth Model (MDEM)

Hydrography Standards

The current statewide stream and shoreline files are primarily the USGS 1:100,000 and 1:24,000 Digital Line Graph (DLG) files. These files represent stream locations derived for the existing USGS quadrangle maps; however, the level of detail required for state and local mapping programs is not available, nor do these files represent current information in many areas.

The following are examples of hydrographic features that should be collected:

- Drains
- Bays
- Springs
- Lakes
- Ponds
- Canals
- Rivers
- Streams
- Dams
- Spillways
- Inundation Areas
- Reservoirs

The staff, in conjunction with the PAC and the TUG, recommends:

1. The Council adopts above listed features as the initial elements to be included in the digital hydrographic layer of MDEM.
2. Data spatial accuracy should meet the parameters of National Map Accuracy Standards (NMAS) for 1" = 100' (1:1,200) scale mapping for the urban areas and 1" = 400' (1:4,800) scale mapping for the rural areas.