

At our first assessment methodology workgroup meeting, the following request was made:

A compilation of all Arkansas streams and creeks that are monitored by ADEQ or other agencies whose data you included for the 2016 303(d) list and/or 2016 305(b) report - in all six region locations that are monitored.

The map on the next page depicts the ecoregions and those monitoring stations on the various rivers, streams, and lakes that were evaluated for the 2016 303(d) list/ 2016 305(b) report. The different agencies/entities are depicted as different colors & shapes of points.

Parameters monitored in each stream or river. The second tab in the excel sheet is a listing of the parameters gathered by each agency/entity that submitted data for the 2016 303(d) list/2016 305(b) report. It is important to note that not every parameter listed for an agency/entity was sampled at all of their respective sampling stations. Which parameters are sampled depended upon the goal of the sampling program at each station.

Distribution of streams in each region (in other words - how many streams/rivers in each region that are monitored and their names/locations).

<u>Ecoregion</u>	<u>Total Number of Monitoring Stations</u>
Arkansas Valley	113
Boston Mountains	175
Ozark Highlands	272
Mississippi Alluvial Plain	198
Ouachita Mountains	109
South Central Plains	133

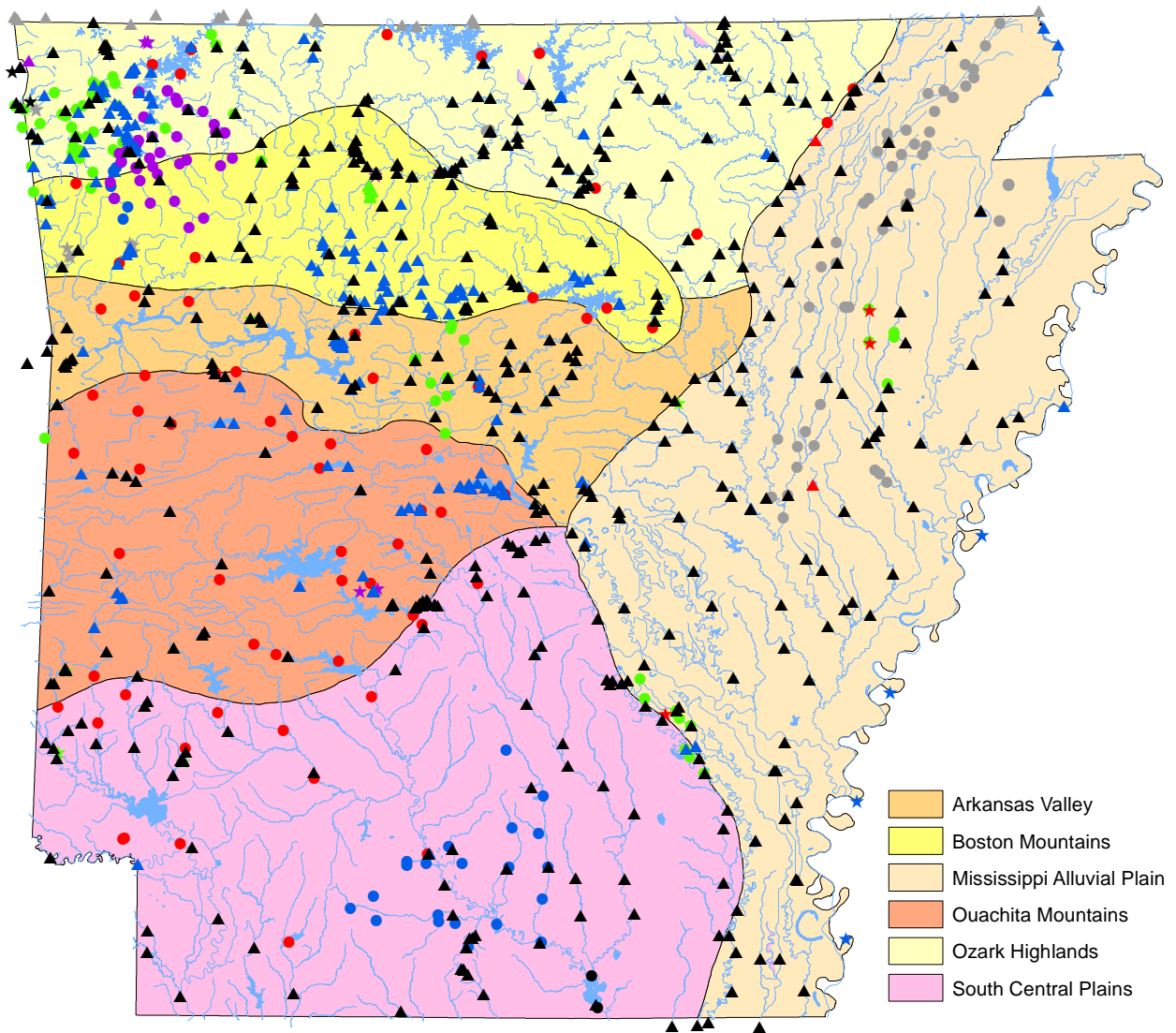
The first tab in the excel sheet is a listing of agency name, monitoring station name, monitoring station location description, Planning Segment, and 8 digit HUC code for those monitoring stations that were evaluated for the 2016 303(d) list/ 2016 305(b) report.

What is the rationale for the streams/rivers chosen to monitor?

As stated in Part I of the Draft 2016 305(b) report:

“The Arkansas Department of Environmental Quality’s (ADEQ or the Department) water quality monitoring networks database is the primary database used for this assessment in Arkansas. Data are gathered for inclusion into ADEQ’s database through several monitoring networks: Ambient, Lakes and Reservoirs, and Groundwater. The Ambient Surface Water Network comprises approximately 180 stations sampled monthly for chemical parameters and flow when available. The Ambient network focuses on characterizing big river systems, potentially problematic nonpoint source areas, and least-disturbed reference streams. Samples are collected year round as appropriate for each network and parameter. In addition to the Ambient Water Quality Network, Office of Water conducts collections of physical, chemical, and biological samples (fish, macroinvertebrate, and periphyton) from selected waterbodies around the state. The Lakes and Reservoirs Monitoring Network comprises 16 lakes that are sampled quarterly. The Lakes & Reservoirs network focuses on identifying potential reference lakes, verifying reference lakes, and developing water quality standards for lakes. The Ambient Groundwater Monitoring Network comprises approximately 250 stations sampled triennially for major ions, metals, nutrients, total organic carbon, and pesticides at selected sites. The Ambient Groundwater network focuses on characterizing major aquifers and documenting natural background conditions.

In addition to the data gathered by ADEQ’s Office of Water Quality, all readily available data are solicited from other ADEQ divisions, state and federal agencies, universities, and other public and private entities.”



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|-----------|-----------|-------------------|
| ▲ ADEQ    | ● USGS-LA | ★ Cherokee Nation |
| ▲ BCRT    | ● ANRC    | ★ EPA             |
| ▲ AGFC    | ● ADH     | ★ EQUILIBRIUM     |
| ▲ MDNR    | ● ASU     | ★ GBMCASSOC       |
| ▲ USGS-AR | ● AWRC    | ★ MDEQ            |
| ▲ USGS-OK | ● BWD     | ★ NPS             |