Assessment Unit (AU) - previously referred to as a monitoring segment, is the basic unit of record for conducting and reporting water quality assessments. An AU is made up of a two digit state abbreviation, an 8-digit HUC, and a 3 or 4 digit reach. River and stream AUs end in a 3 digit reach while lakes AUs end in a 4 digit reach. (e.g. AR_08040202_001

HUC – Hydrologic Unit Code. Eight-digit HUCs identify in which hydrologic unit a waterbody is located. For some eight digit HUCs, the "0" at the beginning is dropped. For example HUC 08040102 will appear as 8040102.

Reach - a numerical identifier of a specific stream segment

Lake Type – Lakes are classified into Types using lake morphology, ecoregion, and purpose of construction. Information describing Lake Type is located in Part III Chapter Five of this report.

Planning Segment – Two-digit alpha-numeric code to identify in which ADEQ Planning Segment a waterbody is located. Figure II-3 is a map of ADEQ's Planning Segments. ADEQ's 38 water quality planning segments are based on hydrological characteristics, human activities, geographic characteristics, and other factors.

Miles - the total length (in miles) of a specific reach of a stream.

Acres – total surface acreage for lake.

Monitoring Station:

ADEQ surface water monitoring stations are named in a variety of ways as shown in the following examples:

RED0015A = ADEQ stream monitoring stations in the ambient and roving networks typically follow this format where the first three letters represent the drainage basin (RED = Red River, WHI = White River, FRA = St. Francis River, OUA = Ouachita River, and ARK = Arkansas River) and the numbers, sometimes followed by a letter, represent the unique station ID within that basin.

UWAFK01 = ADEQ stream monitoring stations not on the ambient network. These stations were named when initially established, before being used for assessments. UW = Unassessed Waters. The next series of letters represents the stream (AFK = Archey Fork Creek) and the numbers are a unique identifier for that stream.

MIN0001 = ADEQ stream monitoring stations that are originally used in special studies.

LRED002A = ADEQ lake monitoring station. These typically start with "L" and the next three letters represent the drainage basin like with streams. The three digit numeric code, sometimes followed by a letter, represents the unique identifier for that lake.

e = evaluated assessment. Used when there is not a station on the actual reach but a monitoring station on an adjacent segment may be used for assessment. The "e" may be stand alone in the cell or may precede a monitoring station ID.

ANRC = Data received from the Arkansas Natural Resource Commission.

UAA = Use Attainability Analysis. Data for this assessment was attained via a UAA, not a monitoring station.

USGS = Data received from U. S. Geological Society.

Ark G&F = Data received from Arkansas Game and Fish Commission.

BWD = Data received from Beaver Water District.

Report = Data received from third party report.

Toxicity Samples = ADEQ data from ambient toxicity project.

Assessment Method

M = monitored assessment

Designated Use Not Supported: uses specified in water quality standards for each waterbody or stream segment which are not being supported.

AI = agricultural and/or industrial water supply
DW = domestic water supply
FC = fish consumption
AL = aquatic life
PC = primary contact
SC = secondary contact

Water Quality Standard Non-Attainment: contaminant identified as the cause of impairment.

Al = aluminum
AM = ammonia
Be = beryllium
Cl = chlorides
Cu = copper
DO = dissolved oxygen
Hg = mercury
NO3 = nitrate nitrogen
PA = pathogen indicator bacteria
Pb = lead
PCB = Polychlorinated biphenyl
pH = pH
PO = priority organics
Se = Selenium
SO4 = sulfates
Tb = turbidity
TDS = total dissolved solids
Tm = temperature
Tox = Toxicity
TP = total phosphorus
UN = Unknown
Zn = zinc

Sources of Contamination or Source- the probable source of the contaminant causing impairment.

AG = agriculture activities
HP = hydropower
IP = industrial point source
MP = municipal point source
SE[1] = surface erosion
UN = unknown
UR = urban runoff
RE = resource extraction (mining; oil and gas extraction)

Cause:

HG = Mercury
NU = nutrients[2]
SI = Siltation

Priority Rank - A ranking of waters in order of need for corrective action taking into account the severity of the pollution and designated uses of the waters.

H = High priority: highest risk of affecting public health or welfare; substantial impact on aquatic life.

M = Medium priority: moderate risk to public health, welfare or to aquatic life.

L = Low priority: lowest risk to public health or welfare; secondary impact on aquatic life.

Notes:

[1] Surface Erosion – This category includes erosion from agriculture activities, unpaved road surfaces, in-stream erosion, mainly from unstable stream banks, and any other land surface disturbing activity.

[2] This listing was used in previous 303(d) lists. TMDLs are currently being developed for these listings.