

Table 1. Review of calculated 75th percentile total phosphorus (mg/L) (total number of samples) for all available stream and river data collected by ADEQ.

All 305(b) Cycles dates start on April 1 and finish March 31

305(b) Cycle	2016	2014	2012	2010	2008	2006	2004	2002	2000	1998	1996
Years Included	2015:2010	2013:2008	2011:2006	2009:2004	2007:2002	2005:2000	2003:1998	2001:1996	1999:1994	1997:1992	1995:1990
Ozark Highlands	0.10 (2884)	0.10 (2611)	0.11 (2949)	0.11 (3134)	0.13 (3325)	0.14 (3236)	0.14 (3071)	0.16 (2899)	0.17 (2975)	0.16 (3064)	0.15 (2533)
Ouachita Mountains	0.05 (1482)	0.05 (1406)	0.06 (1713)	0.06 (1850)	0.07 (1746)	0.08 (1526)	0.07 (1406)	0.05 (1165)	0.06 (1225)	0.06 (1226)	0.06 (1106)
Boston Mountains	0.04 (1186)	0.05 (367)	0.04 (439)	0.03 (1323)	0.04 (1369)	0.04 (1397)	0.05 (1350)	0.05 (1354)	0.08 (1562)	0.07 (1544)	0.09 (1452)
Arkansas River Valley	0.10 (1859)	0.12 (1654)	0.14 (1629)	0.15 (1455)	0.16 (1478)	0.16 (1439)	0.15 (1505)	0.14 (1443)	0.15 (1530)	0.15 (1432)	0.15 (1286)
Gulf Coastal Plains	0.12 (2314)	0.12 (2814)	0.12 (3285)	0.12 (3485)	0.13 (3151)	0.15 (3194)	0.14 (3156)	0.14 (3138)	0.13 (2953)	0.13 (2806)	0.13 (2319)
Mississippi Alluvial Valley	0.26 (2181)	0.27 (2395)	0.27 (2363)	0.26 (2099)	0.26 (2095)	0.27 (2386)	0.26 (2463)	0.25 (2324)	0.23 (2256)	0.23 (2051)	0.22 (1672)

Table 2. Review of calculated 75th percentile total nitrogen (mg/L) (total number of samples) for all available stream and river data collected by ADEQ.

All 305(b) Cycles dates start on April 1 and finish March 31

305(b) Cycle	2016	2014	2012	2010	2008	2006	2004	2002	2000	1998	1996
Years Included	2015:2010	2013:2008	2011:2006	2009:2004	2007:2002	2005:2000	2003:1998	2001:1996	1999:1994	1997:1992	1995:1990
Ozark Highlands	2.43 (2884)	2.56 (2611)	2.21 (3653)	2.41 (2565)	2.02 (2499)	1.92 (2377)	1.88 (2127)	2.65 (1438)	3.07 (957)	4.26 (521)	4.22 (432)
Ouachita Mountains	0.57 (1482)	0.54 (1406)	0.46 (1746)	0.57 (1495)	0.76 (1407)	0.85 (1267)	0.80 (1105)	0.76 (800)	0.82 (361)	1.48 (156)	1.35 (137)
Boston Mountains	0.45 (1186)	0.43 (367)	0.46 (350)	0.38 (492)	0.44 (543)	0.57 (436)	0.60 (389)	0.60 (362)	1.52 (345)	2.13 (103)	1.90 (159)
Arkansas River Valley	1.04 (1859)	1.13 (1654)	1.14 (1520)	1.21 (1189)	1.37(1199)	1.48 (1150)	1.51 (1199)	1.61 (926)	2.04 (606)	3.22 (465)	2.04 (451)
Gulf Coastal Plains	1.15 (2314)	1.37 (2418)	1.38 (1759)	1.08 (2798)	1.19 (2427)	1.34 (2514)	1.35 (2508)	1.43 (1834)	1.57 (880)	4.02 (363)	3.98 (368)
Mississippi Alluvial Valley	1.35 (2181)	1.12 (2395)	1.11 (3277)	1.29 (1597)	1.39 (1705)	1.53 (1950)	1.60 (2013)	1.60 (1349)	1.40 (648)	4.46 (275)	1.40 (247)

Table 3. Calculated 25th and 75th total nitrogen (mg/L) percentiles for 1990-2000 and 2001-2010. Individual number of samples are indicated in parentheses.

	25th% tile 1990-2000	25th% tile 2001-2010	75th% tile 1990-2000	75th% tile 2001-2010
Ozark Highlands	0.77 (1857)	0.59 (4949)	2.99 (1857)	2.14 (4949)
Ouachita Mountains	0.27 (904)	0.22 (2773)	0.89 (904)	0.69 (2773)
Boston Mountains	0.27 (539)	0.18 (795)	1.23 (539)	0.42 (795)
Arkansas River Valley	0.76 (1066)	0.65 (2408)	1.87 (1066)	1.29 (2364)
Gulf Coastal Plains	0.69 (2119)	0.55 (5290)	1.62 (2119)	1.15 (5290)
Mississippi Alluvial Valley	0.75 (1497)	0.71 (3839)	1.52 (1497)	1.39 (3839)

Table 4. Calculated 25th and 75th total phosphorus (mg/L) percentiles for 1990-2000 and 2001-2010. Individual number of samples are indicated in parentheses.

	25th% tile 1990-2000	25th% tile 2001-2010	75th% tile 1990-2000	75th% tile 2001-2010
Ozark Highlands	0.03 (4463)	0.03 (5204)	0.16 (4463)	0.12 (5204)
Ouachita Mountains	0.02 (1992)	0.02 (2739)	0.06 (1992)	0.06 (2739)
Boston Mountains	0.03 (1157)	0.02 (810)	0.07 (1157)	0.04 (810)
Arkansas River Valley	0.05 (2021)	0.06 (2408)	0.15 (2021)	0.15 (2408)
Gulf Coastal Plains	0.05 (4571)	0.04 (5385)	0.14 (4571)	0.12 (5385)
Mississippi Alluvial Valley	0.09 (3309)	0.09 (3864)	0.23 (3309)	0.26 (3864)