# APPENDIX C
## ARIZONA'S 2016 IMPAIRED WATERS

This list contains assessment units that were assessed as impaired (Category 5) by ADEQ or EPA during the current and previous assessment listing cycles **(2016 listings are in bold).**

| ASSESSMENT UNIT | SIZE (ACRES/MILES) | CAUSE(S) OF IMPAIRMENT (YEAR FIRST LISTED) |
|---|---|---|
| **Bill Williams Watershed** | | |
| Alamo Lake<br>15030204-0040 | 1414 a | Ammonia (2004), mercury in fish tissue (2002- EPA), high pH (1996) |
| Bill Williams River<br>Alamo Lake to Castaneda Wash<br>15030204-003 | 35.9 mi | Ammonia (2006) |
| Boulder Creek<br>Tributary at 344114/1131800 to Wilder Creek<br>15030202-006B | 14.4 mi | Beryllium (dissolved)(2010) |
| **Colorado-Grand Canyon Watershed** | | |
| Colorado River<br>Parashant Canyon to Diamond Creek<br>15010002-003 | 27.6 mi | Selenium (total) and suspended sediment concentration (2004) |
| Kanab Creek<br>Jump-up Canyon to Colorado River<br>15010003-001 | 12.8 m | **Selenium (total) (2016)** |
| Lake Powell<br>14070006-1130 | 9770 a | Mercury in fish tissue (2010- EPA) |
| Paria River<br>Utah border to Colorado River<br>14070007-123 | 29.4 mi | Suspended sediment concentration (2004), E. coli (2006), **selenium (total) (2016)** |
| Virgin River<br>Sullivan's Canyon to Beaver Dam Wash<br>15010010-004 | 9.7 mi | Selenium (total) (2012) |
| Virgin River<br>Beaver Dam Wash to Big Bend Wash<br>15010010-003 | 10.1 mi | Selenium (total) and suspended sediment concentration (2004), E. coli (2010) |
| **Colorado-Lower Gila Watershed** | | |
| Colorado River<br>Hoover Dam to Lake Mohave<br>15030101-015 | 40.4 mi | Selenium (total) (2004) |
| Colorado River<br>Main Canal to Mexico border<br>15030107-001 | 32.2 mi | Selenium (total) (2006) |
| Lake Mohave<br>15030101-0960 | 27044 a | Selenium (total) (2010) |
| Painted Rock Borrow Pit Lake<br>15070201-1010 | 186 a | Low dissolved oxygen (1992) |



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| ASSESSMENT UNIT | SIZE (ACRES/MILES) | CAUSE(S) OF IMPAIRMENT (YEAR FIRST LISTED) |
|---|---|---|
| **Little Colorado Watershed** | | |
| Black Canyon Lake<br>15020010-0180 | 37.4 a | Ammonia (2010) |
| Lyman Lake<br>15020001-0850 | 1308 a | Mercury in fish tissue (2004- EPA) |
| Pintail Lake<br>15020005-5000 | 25.7 a | Ammonia (2010) |
| Puerco River<br>Dead Wash to Ninemile Wash<br>15020007-007 | 0.2 mi | Copper (dissolved) (2010), E. coli (2012/14) |
| Telephone Lake<br>15020005-1500 | 22.3 a | Ammonia (2010) |
| **Middle Gila Watershed** | | |
| Agua Fria River<br>Sycamore Creek to Big Bug Creek<br>15070102-023 | 9.1 mi | E. coli (2010), **selenium (total) (2016)** |
| Alvord Lake<br>15060106B-0050 | 27 a | Ammonia (2004) |
| Arnett Creek<br>Headwaters to Queen Creek<br>15050100-1818 | 11.1 mi | Copper (dissolved) (2010) |
| Chaparral Park Lake<br>15060106B-0300 | 12 a | Low dissolved oxygen and E. coli (2004) |
| Cortez Park Lake<br>15060106B-0410 | 2 a | Low dissolved oxygen and high pH (2004) |
| Gila River<br>San Pedro River to Mineral Creek<br>15050100-008 | 19.8 mi | Suspended sediment concentration (2006) |
| Hassayampa River<br>Buckeye Canal to Gila River<br>15070103-001B | 2.3 m | **E. coli (2016)** |
| Lake Pleasant<br>15070102-1100 | 8000 a | Mercury in fish tissue (2006- EPA) |
| Mineral Creek<br>Devil's Canyon to Gila River<br>15050100-012B | 19.6 mi | Copper (dissolved) (1992), selenium (total) (2004), low dissolved oxygen (2006) |
| Money Metals Trib<br>Headwaters to Unnamed Tributary (UB1)<br>15070102-123 | 0.5 m | **Copper and zinc (2016)** |
| Queen Creek<br>Headwaters to Superior WWTP discharge<br>15050100-014A | 8.8 mi | Copper (dissolved) (2002), lead (total) (2010), selenium (total) (2012) |
| Queen Creek<br>Superior WWTP discharge to Potts Canyon<br>15050100-014B | 5.9 mi | Copper (dissolved) (2004) |
| Queen Creek<br>Potts Canyon to Whitlow Canyon<br>15050100-014C | 8.0 mi | Copper (dissolved) (2010) |



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| ASSESSMENT UNIT | SIZE (ACRES/MILES) | CAUSE(S) OF IMPAIRMENT (YEAR FIRST LISTED) |
|---|---|---|
| Unnamed Trib to Eugene Gulch<br>Headwaters to Eugene Gulch<br>15070102-1994 | 0.7 m | **Copper (dissolved) (2016)** |
| **Salt Watershed** | | |
| Apache Lake<br>15060106A-0070 | 2,190 a | Low dissolved oxygen(2006) and **mercury in fish tissue (2016- EPA)** |
| Canyon Lake<br>15060106A-0250 | 450 a | Low dissolved oxygen(2004) |
| Christopher Creek<br>Headwaters to Tonto Creek<br>15060105-353<br>*Also on Not Attaining (4A) List | 8 mi | **Low dissolved oxygen (2016)** |
| Crescent Lake<br>15060101-0420 | 157 a | High pH (2002- EPA) |
| Five Point Tributary<br>Headwaters to Pinto Creek<br>15060103-885 | 2.9 mi | Copper (dissolved) (2006) |
| Pinto Creek<br>West Fork Pinto Creek to Roosevelt Lake<br>15060103-018C<br>*Also on Not Attaining (4A) List | 17.8 mi | Selenium (total) (2004) |
| Roosevelt Lake<br>15060103-1240 | 18345 a | Mercury in fish tissue (2006- EPA) |
| Salt River<br>Canyon Creek to Cherry Creek<br>15060103-007 | 19.6 mi | Selenium (total) (2012/14) |
| Salt River<br>Pinal Creek to Roosevelt Lake<br>15060103-004 | 7.5 mi | E. coli (2010) |
| Tonto Creek<br>Tributary @ 341810/1110414 to Haigler Creek<br>15060105-013B | 8.5 mi | Mercury in fish tissue (2010- EPA) |
| Tonto Creek<br>Haigler Creek to Spring Creek<br>15060105-011 | 7.8 mi | Mercury in fish tissue (2010-EPA) |
| Tonto Creek<br>Spring Creek to Rye Creek<br>15060105-009 | 19.5 mi | Mercury in fish tissue (2010-EPA) |
| Tonto Creek<br>Rye Creek to Gun Creek<br>15060105-008 | 4.7 mi | Mercury in fish tissue (2010-EPA) |
| Tonto Creek<br>Gun Creek to Greenback Creek<br>15060105-006 | 18.6 mi | Mercury in fish tissue (2010-EPA) |
| Tonto Creek (TON)<br>Greenback Creek to Roosevelt Lake<br>15060105-004 | 2.6 m | Mercury in fish tissue (2010-EPA) |



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| ASSESSMENT UNIT | SIZE (ACRES/MILES) | CAUSE(S) OF IMPAIRMENT (YEAR FIRST LISTED) |
|---|---|---|
| **San Pedro Watershed** | | |
| Aravaipa Creek<br>Aravaipa Cyn Wilderness - San Pedro River<br>15050203-004C | 12.6 m | **E. coli (2016)** |
| Brewery Gulch<br>Headwaters to Mule Gulch<br>15080301-337 | 1 mi | Copper (dissolved) (2004-EPA and ADEQ 2006/08) |
| Copper Creek<br>Headwaters - Prospect Canyon<br>15050203-022A | 6.6 m | **Copper and selenium (2016), cadmium, iron and zinc (2016- EPA)** |
| Mule Gulch<br>Headwaters to above Lavender Pit<br>15080301-090A | 3 mi | Copper (dissolved) (1990) |
| Mule Gulch<br>Above Lavender Pit to Bisbee WWTP discharge<br>15080301-090B | 0.8 miles | Copper (dissolved) (1990) |
| Mule Gulch<br>Bisbee WWTP discharge to Highway 80 bridge<br>15080301-090C | 3.8 mi | Copper (total and dissolved) (1990) |
| San Pedro River<br>Mexico border to Charleston<br>15050202-008 | 28.3 mi | E. coli and copper (dissolved) (2010), **dissolved oxygen (2016)** |
| San Pedro River<br>Babocomari Creek to Dragoon Wash<br>15050202-003 | 17 mi | E. coli (2004) |
| **Santa Cruz Watershed** | | |
| Nogales Wash<br>Mexico border to Potrero Creek<br>15050301-011 | 6.2 mi | Ammonia and copper (dissolved) (2004), total residual chlorine (1996), E. coli (1998) |
| Parker Canyon Lake<br>15050301-1040 | 130 a | Mercury in fish tissue (2004- EPA) |
| Potrero Creek<br>Interstate 19 to Santa Cruz River<br>15050301-500B | 4.9 mi | E. coli, low dissolved oxygen and total residual chlorine (2010) |
| Rose Canyon Lake<br>15050302-1260 | 7 a | Low pH (2004- EPA) |
| Santa Cruz River<br>Canada Del Oro to HUC 15050303<br>15050301-001 | 8.6 m | **E. coli (2016)** |
| Santa Cruz River<br>Josephine Canyon to Tubac Bridge<br>15050301-008A | 4.8 mi | Ammonia and E. coli (2010) |
| Santa Cruz River<br>Tubac Bridge - Sopori Wash<br>15050301-008B | 8.9 mi | **E. coli (2016)** |
| Santa Cruz River<br>Nogales WWTP - Josephine Can<br>15050301-009 | 9.1 mi | E. coli (2012/14) |

| ASSESSMENT UNIT | SIZE (ACRES/MILES) | CAUSE(S) OF IMPAIRMENT (YEAR FIRST LISTED) |
|---|---|---|
| Sonoita Creek<br>1600 feet below Patagonia WWTP discharge to Patagonia Lake<br>15050301-013C | 8.9 mi | Zinc (total) (2004), low dissolved oxygen (1998) |
| **Upper Gila River** | | |
| Blue River<br>Strayhorse Creek to San Francisco River<br>15040004-025B | 25.4 mi | E. coli (2006) |
| Cave Creek<br>Headwaters to South Fork Cave Creek<br>15040006-852A | 7.5 mi | Selenium (total) (2004) |
| Gila River<br>Bonita Creek to Yuma Wash<br>15040005-022 | 5.8 mi | Lead (total) (2010) |
| San Francisco River<br>Blue River to Limestone Gulch<br>15040004-003 | 18.7 mi | E. coli (2006) |
| San Francisco River<br>Limestone Gulch to Gila River<br>15040004-001 | 12.8 mi | E. coli (2010) |
| **Verde Watershed** | | |
| Bartlett Lake<br>15060203-0110 | 2376 a | **Mercury in fish tissue (2016- EPA)** |
| Oak Creek<br>Spring Creek to Verde River<br>15060202-016 | 12.7 m | **E. coli (2016)** |
| Verde River<br>Bartlett Dam to Camp Creek<br>15060203-004 | 6.6 mi | Arsenic (total) (2010) |
| Verde River<br>Sycamore Creek to Oak Creek<br>15060202-025 | 25.2 m | **Dissolved oxygen and E. coli (2016)** |
| Watson Lake<br>15060202-1590 | 150 a | Nitrogen, low dissolved oxygen, high pH (2004- EPA) |
| Willow Creek Reservoir<br>15060202-1660 | 294 a | Ammonia (2012) |



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