**APPENDIX F**  
**Water Quality Improvements**

Water quality improvements have resulted in pollutants no longer impairing an assessment unit. Each is a success story! Significant resources have been used to identify sources and control pollutant contributions in each case.

These water quality improvements are dependent on continued application of the improvement noted in this table. Therefore, decision makers about future activities in the watershed or additional discharges need to be aware and continue to support these improvements.

### Colorado - Lower Gila Watershed

- **Lake Havasu (Thompson Bay)**  
  - E. coli bacteria  
  - Delisted in 2002; first listed in 1996  
  - 1. Improved sanitary facilities at beaches.  
  - 3. Improvements in public wastewater treatment facilities to reduce nutrient loading.  
  - 4. Improvement in flow into Thompson Bay under London Bridge.  
  - No remaining impairments

- **Painted Rock Borrow Pit**  
  - Pesticides in fish tissue  
  - Delisted in 2014; first listed in 1988  
  - General use of the pesticide dieldrin and DDT banned  
  - No remaining impairments

### Little Colorado Watershed

- **Nutrioso Creek**  
  - Turbidity  
  - Delisted in 2006; first listed in 1992  
  - Cattle removed from the riparian area through addition of fencing and alternative sources of water. Riparian area improvements noted. TMDL approved in 2002.  
  - No remaining impairments

### Middle Gila Watershed

- **Gila River**  
  - Pesticides in fish tissue  
  - Delisted in 2014; first listed in 1988  
  - General use of the pesticide dieldrin and DDT banned

- **Hassayampa River**  
  - Pesticides in fish tissue  
  - Delisted in 2014; first listed in 1998  
  - General use of the pesticide dieldrin and DDT banned  
  - No remaining impairments

- **Mineral Creek**  
  - Beryllium, zinc, and low pH  
  - Delisted in 2004; first listed in 1992  
  - Mineral Creek is diverted around a large mining operation. Monitoring surface water quality to assure this is sufficient to protect water quality in the stream. Listed in Category 5 for other pollutants
Middle Gila Watershed - continued
Painted Rock Reservoir
Pesticides in fish tissue
Delisted in 2014; first listed in 1988
General use of the pesticide dieldrin and DDT banned
No remaining impairments
Salt River
Pesticides in fish tissue
Delisted in 2014; first listed in 1988
General use of the pesticide dieldrin and DDT banned
No remaining impairments
Salt Watershed
Christopher Creek
Phosphorus
Delisted in 2016; first listed in 2006
Pinal Creek
Copper, manganese, zinc, and low pH
Delisted in 2002; first listed in 1998
Tonto Creek
Nitrogen
Delisted in 2016; first listed in 2004
San Pedro Watershed
Mule Gulch
Dissolved zinc, dissolved copper and low pH
Delisted in 2014; first listed in 1998
Santa Cruz Watershed
Santa Cruz River
Total residual chlorine, ammonia, cadmium
Delisted in 2016; first listed in 2010 and 2012/14

Santa Cruz Watershed - continued
Santa Cruz River
Ammonia
Delisted in 2016; first listed in 2010
Plumas County replaced the Roger Road WWTP with the Agua Nueva WRF in 2013 resulting in the reach now attaining the applicable ammonia water quality standards. No remaining impairments
Santa Cruz River
Dissolved copper
Delisted in 2016; first listed in 2010
Ina Road WWTP was replaced by Tres Rios WRF in 2013. There were no copper exceedances in the post-upgrade water quality data. No remaining impairments
Verde Watershed
Munds Creek
E. coli bacteria, nitrogen and phosphorus
Delisted in 2002; first listed in 1994
Wastewater reuse applications modified to keep effluent from contaminating Munds Creek. No remaining impairments
Ashbrook Wash
E. coli bacteria
Delisted in 2006; first listed in 2004
Wastewater treatment plant no longer discharging to this wash. No remaining impairments
Verde River
Turbidity
Delisted in 2010; first listed in 1990
Unnamed Trib (15060202-065) - Fossil Creek
Turbidity TMDL completed in 2002. Best management practices are implemented to minimize the impact of grazing and reduce soil erosion. No remaining impairments

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