

Table D. Summary of assessment outcomes.

Water Body Segment/ AU	Pollutant	TMDL(s) Completed	Recommended Changes to §303(d) List	Justification
Upper Willow Creek (ID17050113SW002a_02)	Sediment	None	Delist for Sediment. List for flow alteration	Streams routinely go dry in mid-summer due to flow alteration
Upper Willow Creek (ID17050113SW002a_03)	Sediment	None	Delist for Sediment. List for flow alteration	Streams routinely go dry in mid summer due to flow alteration
Lower Willow Creek (ID17050113SW002b_03)	Unknown	None	Delist for Unknown	Data indicates full support
Lower Willow Creek (ID17050113SW002b_04)	Unknown	None	None	Not Assessed – BURP data outside Tier I parameters
South Fork Boise River- Dixie Creek (ID17050113SW004_03)	Unknown	Sediment	None	Data indicates sediment impairment
South Fork Boise River - South Fork Boise River and Trail Creek (ID17050113SW004_06)	Sediment	None	None	Not assessed – BURP data outside Tier I parameters
Anderson Ranch Reservoir – 1 st and 2 nd order tributaries –Goat, Lester, Wilson, Evans (ID17050113SW005_02)	Unknown	None	Delist for Unknown	Data indicates full support on perennial streams
Moore's Creek (ID17050113SW010_03a)	Unknown	None	None	Not Assessed
Lime Creek (ID17050113SW010_05)	Temperature	Temperature	None	Data indicates temperature impairment
South Fork Boise River - Jumbo Creek and Bigwater Gulch (ID17050113SW015_02)	Unknown	None	Delist for Unknown	Data indicates full support
Fall Creek (ID17050113SW031_02)	Unknown	None	Delist for Unknown	Data indicates full support
Smith Creek (ID17050113SW032_02)	Temperature	Temperature	None	Data indicates temperature impairment
Smith Creek (ID17050113SW032_03)	Unknown	None	Delist for Unknown. List for flow and habitat alteration.	Data indicates full support of beneficial uses. Nine constructed control points alter flow and habitat.
Rattlesnake Creek (ID17050113SW033_02)	Sediment	None	Delist for sediment	Fire activity/landslide led to sediment impacts

TMDLs

Willow Creek

Willow Creek had four segments listed on the 2002 §303(d) list of impaired waters.

The 2nd order segment of upper Willow Creek was listed for sediment. This includes Case, Cottonwood, Long Gulch, Salt, and Willow Creeks. The beneficial uses of this assessment unit could not be determined from data collection efforts because sites were dry at every attempt to survey. Upon further investigation, 16 constructed flow alterations were found in the assessment unit. It is recommended that 2nd order upper Willow Creek be delisted for sediment, and listed for flow alteration.

The 3rd order segment of upper Willow Creek was also listed for sediment and was also dry upon each sampling attempt. In addition to the 16 flow alterations in the 2nd order AU, there are two additional constructed alterations in the 3rd order stream segment. Like the 2nd order segment, the 3rd order AU should be delisted for sediment, and listed for flow alteration.

The 3rd order segment of lower Willow Creek was listed for unknown pollutants. BURP data indicates sediment is the likely cause of impairment; however core sampling results indicate fine sediment is below the recommended maximum target. Based on expanded data collection results, sediment is not impairing the beneficial uses and no TMDL is necessary at this time.

The 4th order segment of lower Willow Creek was listed for an unknown pollutant. There is no Tier I data currently available for this segment of Willow Creek, so it should be listed as Not Assessed until more data becomes available.

The South Fork Boise River – 3rd order Dixie Creek assessment unit

The 3rd order segment of the South Fork Boise River was listed for an unknown pollutant. This assessment unit includes Dixie, Deer, Dry Buck, and Rock Creeks. Elevated levels of subsurface fine sediment were found in Dixie Creek indicating that the pollutant causing the impairment is likely sediment. A TMDL for sediment has been developed.

The South Fork Boise River – 6th order assessment unit

The 6th order segment of the South Fork Boise River was listed for sediment. This assessment unit includes the 6th order of Trail Creek and the South Fork Boise River. This segment could not be assessed because no appropriate data was available.

Anderson Ranch Reservoir

Anderson Ranch Reservoir was listed for an unknown pollutant in 1st and 2nd order tributaries. These are Lake, Evans, Louse, Magpie, Elk, Little Camas, Castle, Wilson, Goat and Lester Creeks. Goat and Lester Creeks are intermittent streams, meaning they often dry up in the summer. These sites were not used in determination of beneficial use support status. Data for the perennial streams in this AU indicate full support of beneficial uses and no TMDL is necessary at this time.

Moore's Creek

Moore's Creek was listed for an unknown pollutant in the 3rd order segment. This includes Moore's Creek and Big Springs Creek. Sediment samples in this AU could not be completed due to high snow levels. This AU will be listed as Not Assessed until detailed sampling can be done at a later time.

Lime Creek

Lime Creek was listed for temperature in the 5th order segment. It was found to have beneficial uses impaired by temperature and a TMDL has been developed.

The South Fork Boise River – 2nd order assessment unit

The 2nd order segment of the South Fork Boise River was listed for an unknown pollutant. Sites in this assessment unit include Jumbo, Big Water, Deadwood, Myrtle, and West Fork Kelley Creeks. Data for these sites suggest full support of beneficial uses and no TMDL is necessary at this time.

Fall Creek

Fall Creek was listed for an unknown pollutant in the 2nd order segment. This assessment unit includes Camp and Meadow Creek. Meadow Creek was shown to be fully supporting beneficial uses in 2006. Camp Creek was shown to be dry in 2006. The listed assessment unit is fully supporting beneficial uses and no TMDL is necessary at this time.

Smith Creek

Smith Creek had two segments listed on the 2002 §303(d) list.

The 2nd order segment of Smith Creek was listed for temperature. This segment was found to have beneficial uses impaired by temperature and a TMDL has been developed.

The 3rd order segment of Smith Creek was listed for an unknown pollutant. Data suggests that flow/habitat alteration is causing impairment of beneficial uses. There are nine constructed alterations in the 3rd order AU of Smith Creek. This includes eight reservoirs and one canal diversion being used to irrigate an agricultural patch west of Prairie. The 3rd order AU of Smith Creek should be delisted for unknown pollutants and listed for flow and habitat alteration.

Rattlesnake Creek

Rattlesnake Creek was listed for sediment in the 2nd order segment. This includes Corral, Elk, Grape, Little Rattlesnake, Rattlesnake, Slater, and Tipton Creeks. A rain on snow storm event caused landslides from Prairie to Garden Valley in December 1996 which impacted the sediment load to the 2nd order segment of the Rattlesnake Creek drainage (Lawrence Donohoo, Mountain Home Ranger District, Personal Communication, March 2008). Also, a fire burned much of the area around Rattlesnake Creek in 1992 (Idaho Bureau of Homeland Security website). Terracing is evident on some of the hillsides surrounding Little Rattlesnake Creek. This AU should also be delisted for sediment. No TMDL is necessary at this time.