

2012 Integrated Report: Category 4a: EPA Approved TMDLs

2012 Integrated Report: Category 4a: Impaired Waters with EPA Approved TMDLs

Southwest

17050101 **C. J. Strike Reservoir** **TMDL Approval Date**

KING HILL - CJ STRIKE RESERVOIR SUBBASIN ASSESSMENT AND TMDL **Jun 21, 2006**

ID17050101SW001_02	CJ Strike Reservoir & Dry Creek - 1st and 2nd order	124.02	MILES
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Oxygen, Dissolved

Phosphorus (Total)

ID17050101SW001_07	CJ Strike Reservoir (excluding Bruneau arm)	11.24	MILES
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Oxygen, Dissolved

Phosphorus (Total)

ID17050101SW001_07L	CJ Strike Reservoir	4764.97	ACRES
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Oxygen, Dissolved

Phosphorus (Total)

ID17050101SW005_07	Snake River - Clover Creek to Browns Creek	25	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID17050101SW012_02	Little Canyon Creek - 1st and 2nd order	31.04	MILES
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Sedimentation/Siltation

ID17050101SW012_03	Little Canyon Creek - upper 3rd order	10.2	MILES
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Sedimentation/Siltation

ID17050101SW012_03a	Little Canyon Creek - lower 3rd order	10.9	MILES
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Sedimentation/Siltation

ID17050101SW014_03	Cold Springs Creek - 3rd order	17.27	MILES
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Sedimentation/Siltation

17050102 **Bruneau** **TMDL Approval Date**

BRUNEAU RIVER SUBBASIN **Mar 13, 2001**

ID17050102SW002_05	Jacks Creek-Little Jacks Ck to CJ Strike Reservoir	12.28	MILES
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Escherichia coli

Phosphorus (Total)

Sedimentation/Siltation

ID17050102SW008_04	Sugar Valley Wash - 4th order	5.45	MILES
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Escherichia coli

Oxygen, Dissolved

Phosphorus (Total)

Sedimentation/Siltation

ID17050102SW009_06	Bruneau River - 6th order (Hot Creek to mouth)	16.93	MILES
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Phosphorus (Total) This pollutant replaces the previously listed pollutant "unknown" and "fish bioassessments".

ID17050102SW028_04	Clover Creek - 4th order (Deadwood Creek to Buck Flat Draw)	29.62	MILES
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Escherichia coli

ID17050102SW028_05	Clover Creek (East Fork Bruneau River) - 5th order	24.74	MILES
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Escherichia coli

ID17050102SW031_02	Three Creek - 1st and 2nd order	34.9	MILES
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Sedimentation/Siltation

ID17050102SW031_03	Three Creek - 3rd order	7	MILES
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Sedimentation/Siltation

JACKS CREEK TMDL (MODIFICATION)

Nov 13, 2007

ID17050102SW002_05	Jacks Creek-Little Jacks Ck to CJ Strike Reservoir	12.28	MILES
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Total Suspended Solids (TSS)

KING HILL - CJ STRIKE RESERVOIR SUBBASIN ASSESSMENT AND TMDL

Jun 21, 2006

ID17050102SW001L_0L	CJ Strike Reservoir - Bruneau Arm	2052.27	ACRES
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Oxygen, Dissolved

Phosphorus (Total)

17050103

Middle Snake-Succor

TMDL Approval Date

SNAKE RIVER -- MIDDLE/SUCCOR CREEK

Jan 05, 2004

ID17050103SW000_07	Snake River - State Line to Boise River	4.19	MILES
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Phosphorus (Total)

ID17050103SW001_07	Snake River - Marsing (RM425) to State Line	16.09	MILES
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Nutrient/Eutrophication Biological Indicators

ID17050103SW002_03	Sage Creek - 3rd order	7.55	MILES
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Escherichia coli

Sedimentation/Siltation

ID17050103SW002_04	Lower Succor Creek - 4th order (state line to mouth)	5.5	MILES
Fecal Coliform			
Sedimentation/Siltation			
ID17050103SW003_02	Upper Succor Creek - 1st and 2nd order tributaries	68.42	MILES
Sedimentation/Siltation			
ID17050103SW003_03	Upper Succor Creek - 3rd order (Granite Creek to State Line)	15.72	MILES
Sedimentation/Siltation			
ID17050103SW005_03	Jump Creek - 3rd order	18.4	MILES
Sedimentation/Siltation			
ID17050103SW006_07b	Snake River - Swan Falls to Marsing (RM425)	36.21	MILES
Phosphorus (Total)			
ID17050103SW012_04	Sinker Creek - 4th order	15.75	MILES
Sedimentation/Siltation			
Temperature, water			
ID17050103SW014_03	Castle Creek - 3rd order tributaries	10.4	MILES
Sedimentation/Siltation			
ID17050103SW014_04	Castle Creek - lower 4th order (irrigated section)	9.2	MILES
Sedimentation/Siltation			
ID17050103SW014_05	Castle Creek - 5th order (Catherine Cr. to Snake River)	3.82	MILES
Sedimentation/Siltation			
SUCCOR CREEK/CASTLE CREEK WATERSHED TEMPERATURE TMDLS			Dec 11, 2007
ID17050103SW003_02	Upper Succor Creek - 1st and 2nd order tributaries	68.42	MILES
Temperature, water			
ID17050103SW003_03	Upper Succor Creek - 3rd order (Granite Creek to State Line)	15.72	MILES
Temperature, water			
ID17050103SW014_02	Castle Creek - 1st & 2nd order rangeland tributaries	163.49	MILES
Temperature, water			
ID17050103SW014_02a	Castle Creek - 1st & 2nd order forested tributaries	56.15	MILES
Temperature, water			
ID17050103SW014_03	Castle Creek - 3rd order tributaries	10.4	MILES
Temperature, water			
ID17050103SW014_04	Castle Creek - lower 4th order (irrigated section)	9.2	MILES
Temperature, water			

ID17050104SW032_03	Castle Creek - 3rd order	6.03	MILES
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Sedimentation/Siltation

OWYHEE RIVER WATERSHED TEMPERATURE TMDLS

Jul 20, 2012

ID17050104SW023_02	Battle Creek - 1st & 2nd order	252.97	MILES
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Temperature, water

ID17050104SW023_03	Battle Creek - 3rd order	36.58	MILES
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Temperature, water

ID17050104SW023_04	Battle Creek - 4th order	29.46	MILES
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Temperature, water

ID17050104SW026_04	Deep Creek - 4th order section	15.54	MILES
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Temperature, water

8/30/2012 (HS and NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. Although the fourth order segment of Deep Creek does not have an excess load, it is still considered impaired by the thermal loads from its tributaries. It may be delisted when either a) all its tributaries meet their shade targets, or b) a thermograph demonstrates that it does not violate water quality standards. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D11 on page 76 of the TMDL.

This PNV temperature TMDL replaces the targets established with the SSTEMP model in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.

ID17050104SW026_05	Deep Creek - 5th order (Nickel Creek to mouth)	24.9	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The fifth order of Deep Creek carries a current heat load of 4,477,580 kWh/day with a load capacity of 4,215,652 kWh/day, equaling an excess load of 261,928 kWh/day-which equals a 5.8% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D12 on page 77 of the TMDL.

This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.

ID17050104SW028_02	Pole Creek - 1st and 2nd order	71.18	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The second order of Pole Creek carries a current heat load of 39,473 kWh/day with a load capacity of 22,579 kWh/day, equaling an excess load of 16,894 kWh/day-which equals a 42.8% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D13 on page 78 of the TMDL. This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.

ID17050104SW028_03	Pole Creek - 3rd order	6.41	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order of Pole Creek carries a current heat load of 248,686 kWh/day with a load capacity of 241,690 kWh/day, equaling an excess load of 6,996 kWh/day-which equals a 2.8% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D14 on page 78 of the TMDL.

This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.

ID17050104SW028_04	Pole Creek - 4th order	12.13	MILES
<p>Temperature, water</p> <p>8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The fourth order of Pole Creek carries a current heat load of 1,072,497 kWh/day with a load capacity of 1,043,736 kWh/day, equaling an excess load of 28,761 kWh/day-which equals a 2.7% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D15 on page 79 of the TMDL.</p> <p>This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.</p>			
ID17050104SW029_03	Camas Creek - 3rd order	7.3	MILES
<p>Temperature, water</p>			
ID17050104SW030_02	Camel Creek - 1st and 2nd order	28.57	MILES
<p>Temperature, water</p>			
ID17050104SW031_02	Nickel Creek & tributaries - 1st and 2nd order	76.91	MILES
<p>Temperature, water</p>			
ID17050104SW031_03	Nickel, Thomas & Smith Creeks - 3rd order sections	9.71	MILES
<p>Temperature, water</p>			
ID17050104SW031_04	Nickel Creek - 4th order	8.21	MILES
<p>Temperature, water</p> <p>8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The fourth order of Nickel Creek carries a current heat load of 398,591 kWh/day with a load capacity of 362,702 kWh/day, equaling an excess load of 35,889 kWh/day-which equals a 9.0% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D22 on page 83 of the TMDL.</p>			
ID17050104SW032_02	Castle Creek - 1st and 2nd order	44.45	MILES
<p>Temperature, water</p> <p>8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The second order of Castle Creek carries a current heat load of 44,379 kWh/day with a load capacity of 31,702 kWh/day, equaling an excess load of 12,677 kWh/day-which equals a 28.6% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D23 on page 83 of the TMDL.</p> <p>This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.</p>			
ID17050104SW032_03	Castle Creek - 3rd order	6.03	MILES
<p>Temperature, water</p> <p>8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order of Castle Creek carries a current heat load of 252,737 kWh/day with a load capacity of 159,708 kWh/day, equaling an excess load of 93,029 kWh/day-which equals a 36.8% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D23 on page 83 of the TMDL.</p> <p>This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.</p>			
ID17050104SW033_03	Beaver Creek - 3rd order	3.7	MILES
<p>Temperature, water</p>			
ID17050104SW033_04	Beaver Creek - 4th order	2.58	MILES
<p>Temperature, water</p>			

ID17050104SW034_02	Red Canyon Creek - 1st and 2nd order	77.68	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The second order of Red Canyon Creek carries a current heat load of 162,613 kWh/day with a load capacity of 139,324 kWh/day, equaling an excess load of 23,289 kWh/day-which equals a 14.3% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D28 on page 86 of the TMDL.

This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.

ID17050104SW034_03	Red Canyon Creek - 3rd order	10.1	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order of Red Canyon Creek carries a current heat load of 171,609 kWh/day with a load capacity of 164,713 kWh/day, equaling an excess load of 6,896 kWh/day-which equals a 4.0% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D29 on page 87 of the TMDL.

This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.

ID17050104SW034_04	Red Canyon Creek - 4th order	2.95	MILES
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Temperature, water

8/30/12 (HS and NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. Although the fourth order of Red Canyon Creek does not have an excess load, it is still considered impaired by the thermal loads from its tributaries. It may be delisted when either a) all its tributaries meet their shade targets, or b) a thermograph demonstrates that it does not violate water quality standards. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D30 on page 87 of the TMDL.

This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.

17050105	South Fork Owyhee	TMDL Approval Date
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OWYHEE RIVER WATERSHED TEMPERATURE TMDLS	Jul 20, 2012
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ID17050105SW001_06	SF Owyhee River - Nevada border to Little Owyhee River	19.62	MILES
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Temperature, water

8/30/2012 (HS and NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. Although the sixth order of the South Fork Owyhee River does not have an excess load, it is still considered impaired by the thermal loads from its tributaries. It may be delisted when either a) all its tributaries meet their shade targets, or b) a thermograph demonstrates that it does not violate water quality standards. For additional information refer to Section 5.4, Table 7 on page 25 and Table 10 on page 28 and Appendix D, Table D31 on page 87 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "South Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 2, 2000.

ID17050105SW001_07	South Fork Owyhee River - Little Owyhee River to mouth	12.79	MILES
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Temperature, water

8/30/2012 (HS and NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. Although the seventh order of the South Fork Owyhee River does not have an excess load, it is still considered impaired by the thermal loads from Nevada. It may be delisted when either a) all its Nevada tributaries meet their shade targets, or b) a thermograph (at its mouth or at the Nevada/Idaho state line) demonstrates that it does not violate water quality standards. For additional information refer to Section 5.4, Table 7 on page 25 and Table 10 on page 28 and Appendix D, Table D32 on page 88 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "South Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 2, 2000.

OWYHEE RIVER WATERSHED TEMPERATURE TMDLS**Jul 20, 2012**

ID17050107SW004_02	MF Owyhee River & tributaries - 1st and 2nd order	48.04	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The second order of the Middle Fork Owyhee River carries a current heat load of 45,024 kWh/day with a load capacity of 39,197 kWh/day, equaling an excess load of 5,826 kWh/day-which equals a 12.9% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D34 on page 88 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW004_03	Middle Fork Owyhee River - 3rd order section	4.57	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order of the Middle Fork Owyhee River carries a current heat load of 155,940 kWh/day with a load capacity of 154,367 kWh/day, equaling an excess load of 1,573 kWh/day-which equals a 1.0% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D35 on page 89 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW008_02	North Fork Owyhee River - 1st and 2nd order	39.85	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The second order of the North Fork Owyhee River carries a current heat load of 89,205 kWh/day with a load capacity of 87,927 kWh/day, equaling an excess load of 1,278 kWh/day-which equals a 1.4% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D36 on page 89 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW008_03	North Fork Owyhee River - 3rd order section	6.52	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order of the North Fork Owyhee River carries a current heat load of 181,485 kWh/day with a load capacity of 168,304 kWh/day, equaling an excess load of 13,181 kWh/day-which equals a 7.3% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D37 on page 89 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW008_04	NF Owyhee River & Juniper Creek - 4th order	2.33	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The fourth order of the North Fork Owyhee River carries a current heat load of 99,471 kWh/day with a load capacity of 92,766 kWh/day, equaling an excess load of 6,705 kWh/day-which equals a 6.7% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D38 on page 90 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW008_05	NF Owyhee River - 5th order (Juniper Creek to State Line)	6.38	MILES
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Temperature, water

8/30/2012 (HS and NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. Although the fifth order of the North Fork Owyhee River does not require a load, it is still considered impaired by the thermal loads from its tributaries. It may be delisted when either a) all its tributaries meet their shade targets, or b) a thermograph demonstrates that it does not violate water quality standards. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D39 on page 90 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW009_02	Pleasant Valley Cr. & Tribs - 1st & 2nd order	37.73	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The second order of Pleasant Valley Creek carries a current heat load of 128,653 kWh/day with a load capacity of 98,610 kWh/day, equaling an excess load of 30,043 kWh/day-which equals a 23.4% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D40 on page 91 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW009_03	Pleasant Valley Creek - 3rd order section	5.67	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order of Pleasant Valley Creek carries a current heat load of 233,125 kWh/day with a load capacity of 219,557 kWh/day, equaling an excess load of 13,568 kWh/day-which equals a 5.8% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D41 on page 92 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW010_02	Noon Creek - entire watershed	23.96	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. Noon Creek carries a current heat load of 100,338 kWh/day with a load capacity of 98,429 kWh/day, equaling an excess load of 1,909 kWh/day-which equals a 1.9% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D42 on page 93 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW011_02	Cabin & Corral Creeks & tributaries - 1st & 2nd order	36.08	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The second order of Cabin and Corral Creek headwaters carry a current heat load of 177,268 kWh/day with a load capacity of 141,365 kWh/day, equaling an excess load of 35,903 kWh/day-which equals a 20.2% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D43 on page 94 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW011_03	Cabin & Corral Creeks - 3rd order sections	2.6	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order of Cabin and Corral Creek headwaters carry a current heat load of 57,548 kWh/day with a load capacity of 52,964 kWh/day, equaling an excess load of 4,583 kWh/day-which equals a 8.0% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D44 on page 95 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW012_02	Juniper Creek & tributaries - 1st & 2nd order	24.46	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The second order of Juniper Creek carries a current heat load of 19,855 kWh/day with a load capacity of 16,240 kWh/day, equaling an excess load of 3,614 kWh/day-which equals an 18.2% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D45 on page 95 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW012_03	Juniper Creek - 3rd order section	6.86	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order of Juniper Creek carries a current heat load of 160,770 kWh/day with a load capacity of 141,810 kWh/day, equaling an excess load of 18,960 kWh/day-which equals an 11.8% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D46 on page 96 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

JORDAN CREEK SUBBASIN TMDLS**Apr 13, 2011**

ID17050108SW001_05	Jordan Creek - Williams Creek to State Line	13.35	MILES
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Temperature, water

From the Jordan Creek TMDL, page xxx:

"Temperature data for the lower Jordan Creek segments shows exceedance of both the maximum daily average temperature and the maximum daily maximum temperature. A Potential Natural Vegetation Temperature TMDL will be completed."

ID17050108SW004_02	Upper Jordan Creek - 1st and 2nd order tributaries	102.32	MILES
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Temperature, water

(HS) - From the Jordan Creek TMDL: "Temperature data provided by BLM showed one site with continuous temperature data that exceeded the maximum daily maximum temperature of 22 degrees C on 22% of the dates. A Potential Natural Vegetation Temperature TMDL will be completed."

ID17050108SW004_03	Jordan Creek - 3rd order (Jacobs Gulch to Louse Creek)	13.41	MILES
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Temperature, water

Temperature data provided by BLM showed one site with continuous temperature data that exceeded the maximum daily maximum temperature of 22 degrees C on 22% of the dates. A Potential Natural Vegetation Temperature TMDL has been completed.

ID17050108SW004_04	Jordan Creek - 4th order (Louse Creek to Big Boulder Creek)	5.65	MILES
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Temperature, water

ID17050108SW004_05	Jordan Creek - Big Boulder Creek to Williams Creek	3.38	MILES
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Temperature, water

ID17050108SW013_02	Rock Creek above Triangle Reservoir - 1st and 2nd order	63.93	MILES
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Temperature, water

ID17050108SW013_03	Rock Creek above Triangle Reservoir - 3rd order	12.51	MILES
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Temperature, water

Temperature standards are exceeded based on temperature data supplied to DEQ by BLM. In 2004, BLM temperature data indicated 32% of the dates exceeded the 22° C maximum daily maximum temperature (MDMT) criteria, and 22% exceeded the 19° C maximum daily average temperature criteria (MDAT).

ID17050108SW014_02	Louisa Creek - entire drainage	13.82	MILES
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Temperature, water

ID17050108SW015_02	Spring and Meadow Creeks - 1st and 2nd order	48.87	MILES
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Temperature, water

ID17050108SW015_03	Spring and Meadow Creeks - 3rd order sections	8.09	MILES
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Temperature, water

ID17050108SW021_02	Cow Creek - 1st and 2nd order	55.15	MILES
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Temperature, water

ID17050108SW021_03	Cow Creek - 3rd order (Wildcat Canyon to Soda Creek)	3.41	MILES
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Temperature, water

ID17050108SW022_02	Soda, Swisher and Chimney Creeks - 1st and 2nd order	36.92	MILES
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Sedimentation/Siltation

Temperature, water (HS) - The Jordan Creek TMDL, page xxii, says Soda Creek is 'unlisted but impaired' by temperature. The data source is a BLM temperature logger (page xxv).

ID17050108SW022_03	Soda Creek - 3rd order section	3.09	MILES
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Sedimentation/Siltation

Temperature, water (HS) - The Jordan Creek TMDL, page xxii, says Soda Creek is 'unlisted but impaired' by temperature. The data source is a BLM temperature logger (page xxv).

17050112 Boise-Mores TMDL Approval Date

BOISE-MORES CREEK TMDLS Feb 18, 2010

ID17050112SW001L_0L	Lucky Peak Lake - Robie Creek Swim Beach area	13	ACRES
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Escherichia coli

ID17050112SW009_02	Mores Creek - 1st and 2nd order	133.19	MILES
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Sedimentation/Siltation

Temperature, water

ID17050112SW009_03	Mores Creek - 3rd order (Hayfork Creek to Elk Creek)	12.31	MILES
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Sedimentation/Siltation

Temperature, water

ID17050112SW009_04	Mores Creek - 4th order (Elk Creek to Grimes Creek)	8.84	MILES
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Sedimentation/Siltation

Temperature, water

ID17050112SW009_06	Mores Creek - 6th order (Grimes Creek to mouth)	9.35	MILES
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Sedimentation/Siltation

Temperature, water

ID17050112SW011_03	Thorn Creek - 3rd order (NF Thorn Creek to mouth)	4.98	MILES
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Temperature, water

ID17050112SW013_02	Grimes Creek - 1st and 2nd order	154.23	MILES
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Temperature, water

ID17050112SW013_03	Grimes, Clear and Smith Creeks - 3rd order sections	8.55	MILES
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Temperature, water

ID17050112SW013_04	Grimes Creek - 4th order (Clear Creek to Granite Creek)	9.54	MILES
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Sedimentation/Siltation

Temperature, water

ID17050114SW001_06	Boise River - Indian Creek to mouth	44.61	MILES
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Fecal Coliform

Sedimentation/Siltation

ID17050114SW005_06	Boise River - Veterans Memorial Parkway to Star Bridge	38.17	MILES
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Fecal Coliform

Sedimentation/Siltation

17050115	Middle Snake-Payette	TMDL Approval Date
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SNAKE RIVER HELLS CANYON TMDL

Sep 09, 2004

ID17050115SW001_08	Snake River - Boise River to Weiser River	71.93	MILES
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Phosphorus (Total)

(HS) - Phosphorus was measured by the USGS at the Snake River near Adrian and Nyssa throughout 2009. Snake River TP concentrations were 0.08 and 0.12 mg/L at Adrian and Nyssa, respectively, both of which exceed the TMDL target of 0.07mg/L.

Sedimentation/Siltation

Temperature, water

17050121	Middle Fork Payette	TMDL Approval Date
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MIDDLE FORK PAYETTE RIVER TEMPERATURE TMDLS

Dec 04, 2007

ID17050121SW001_04	Lower MF Payette River - 4th order	13.19	MILES
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Temperature, water

ID17050121SW005_03	Upper MF Payette River - 3rd order	13.16	MILES
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Temperature, water

ID17050121SW005_04	Upper MF Payette River - 4th order	8.52	MILES
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Temperature, water

ID17050121SW007_02	Silver Creek - 1st and 2nd order	23.9	MILES
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Temperature, water

(HS) - Temperature impairment discovered during MF Payette PNV TMDL. Fairly mild impairment.

PAYETTE RIVER, MIDDLE FORK

Jul 18, 2000

ID17050121SW001_04	Lower MF Payette River - 4th order	13.19	MILES
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Sedimentation/Siltation

17050122	Payette	TMDL Approval Date
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BIG WILLOW TEMPERATURE TMDLS

Jul 01, 2008

ID17050122SW017_02	Big Willow Creek - 1st and 2nd order	164.74	MILES
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Temperature, water

ID17050122SW017_03	Big Willow Creek and Dry Creek - 3rd order sections	15.82	MILES
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Temperature, water

ID17050122SW017_04	Big Willow Creek - 4th order (Dry Creek to Payette Ditch)	13.31	MILES
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Temperature, water

ID17050122SW017_06	Big Willow Creek - 6th order (Payette Ditch, Birding Island)	15.67	MILES
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Temperature, water

BISSEL CREEK

Oct 24, 2003

ID17050122SW015_03a	Bissel Creek - lower 3rd order	3.94	MILES
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Escherichia coli

Sedimentation/Siltation

PAYETTE RIVER. LOWER

May 31, 2000

ID17050122SW001_06	Payette River - Black Canyon Reservoir Dam to mouth	66.84	MILES
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Escherichia coli

17050123

North Fork Payette

TMDL Approval Date

CASCADE RESERVOIR -- PART I

May 13, 1996

ID17050123SW007_02	West Mountain tributaries to Cascade Reservoir	60.5	MILES
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Phosphorus (Total)

ID17050123SW008_05	Gold Fork - upper 5th order, above Gold Fork Ditch	2.61	MILES
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Phosphorus (Total)

ID17050123SW011_02	Boulder/Willow Creek - 1st and 2nd order irrigated sections	18.42	MILES
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Phosphorus (Total)

ID17050123SW011_03	Boulder Creek - 3rd order (Louie Creek to mouth)	11.55	MILES
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Phosphorus (Total)

ID17050123SW015_02	Mud Creek - 1st and 2nd order	25.62	MILES
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Phosphorus (Total)

ID17050123SW015_03	Mud Creek - 3rd order (Norwood to Reservoir)	7.15	MILES
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Phosphorus (Total)

CASCADE RESERVOIR -- PART II

Apr 19, 1999

ID17050123SW007_05	Gold Fork, 5th order, between high and low water lines	1.13	MILES
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pH

Phosphorus (Total)

ID17050123SW007L_0L	Cascade Reservoir	25039.52	ACRES
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pH

Phosphorus (Total)

ID17050123SW008_05a	Gold Fork - lower 5th order, below Gold Fork Ditch	4	MILES
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Phosphorus (Total)

CASCADE RESERVOIR TRIBUTARY TMDLS

Feb 22, 2012

ID17050123SW008_05a	Gold Fork - lower 5th order, below Gold Fork Ditch	4	MILES
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Sedimentation/Siltation

3/7/2012 (NED) - During the development of the Cascade Reservoir Tributary TMDL Addendum, approved February 22, 2012, it was determined that while the 5th order segment of Gold Fork River was not on the 303(d) list it was not supporting its cold water aquatic life beneficial use and therefore load allocations were developed for sediment. In order to achieve the average annual load capacity of 0.56 tons/day, the existing load of 0.95 tons/day will need to be reduced by an average annual load of 0.446 tons/day---which equals a 47% reduction. In order to account for seasonal variations, the load allocations vary-0.139 for January-March, 1.468 for April-June, 0.264 for July-September and 0.146 for October-December. For additional information refer to Section 5.5 and Table 7 on page 17 in the TMDL.

ID17050123SW011_03	Boulder Creek - 3rd order (Louie Creek to mouth)	11.55	MILES
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Sedimentation/Siltation

ID17050123SW015_02	Mud Creek - 1st and 2nd order	25.62	MILES
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Sedimentation/Siltation

ID17050123SW015_03	Mud Creek - 3rd order (Norwood to Reservoir)	7.15	MILES
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Sedimentation/Siltation

NORTH FORK PAYETTE RIVER SUBBASIN TMDL

Aug 17, 2005

ID17050123SW001_06	North Fork Payette River - Cascade to Smiths Ferry	23.23	MILES
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Sedimentation/Siltation

ID17050123SW002_02	Round Valley Creek - 1st and 2nd order	30.31	MILES
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Sedimentation/Siltation

ID17050123SW002_03	Round Valley Creek - 3rd order	2.4	MILES
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Sedimentation/Siltation

ID17050123SW003_02	Clear Creek - 1st and 2nd order tributaries	47.56	MILES
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Sedimentation/Siltation

ID17050123SW003_03	Clear Creek - upper 3rd order	9.57	MILES
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Sedimentation/Siltation

ID17050123SW003_03a	Clear Creek - lower 3rd order	3.7	MILES
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Sedimentation/Siltation

ID17050123SW004_03a	Big Creek - lower 3rd order (Horsethief Creek to mouth)	5.61	MILES
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Sedimentation/Siltation

ID17050123SW004_06	Big Creek - NF Payette River side channel	3.15	MILES
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Sedimentation/Siltation

ID17050123SW017_02a	Payette Lake - Eastside tribs, inc.Lemah & parts of Fall Cr.	22.57	MILES
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Temperature, water

ID17050123SW017_03	Fall Creek - 3rd order	2.5	MILES
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Temperature, water

ID17050123SW018_02	North Fork Payette River - 1st and 2nd order	37.22	MILES
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Temperature, water

17050124 Weiser TMDL Approval Date

WEISER RIVER WATERSHED SUBBASIN TMDL Jan 19, 2007

ID17050124SW001_05	Weiser River - Keithly Cr. to Crane Cr.	20.74	MILES
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Sedimentation/Siltation

Temperature, water

ID17050124SW001_06	Weiser River - Crane Creek to Galloway Dam	4.66	MILES
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Sedimentation/Siltation

The Weiser River TMDL was approved in December 2007.

Temperature, water

ID17050124SW001_06a	Weiser River - Galloway Dam to Snake River	16.99	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17050124SW003_05	Crane Creek - Crane Creek Reservoir Dam to mouth	17.19	MILES
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Fecal Coliform

Sedimentation/Siltation

Temperature, water

ID17050124SW004_04	North Crane Creek -500m segment above reservoir (very small)	0.26	MILES
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Temperature, water

ID17050124SW005_02	South Crane & Tenneson Creeks - 1st and 2nd order	51.89	MILES
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Temperature, water

ID17050124SW005_03	South Crane Creek - 3rd order	7.2	MILES
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Temperature, water

ID17050124SW005_04	South Crane Creek - 4th order	2.44	MILES
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Temperature, water

ID17050124SW006_02	North Crane Creek watershed - all 1st and 2nd order streams	185.96	MILES
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Temperature, water

ID17050124SW006_03	North Crane Creek - 3rd order	14.49	MILES
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Temperature, water

ID17050201SW008_03	Hog Creek - 3rd order section	2.9	MILES
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Phosphorus (Total)

ID17050201SW012_02	Dennett Creek - 1st & 2nd order	16.39	MILES
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Sedimentation/Siltation

SNAKE RIVER -- HELLS CANYON TMDL

Mar 01, 2004

ID17050201SW001_08	Snake River - Hells Canyon Reservoir	2510.21	ACRES
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Dissolved Gas Supersaturation

ID17050201SW002_08	Snake River - Oxbow Reservoir	1106.23	ACRES
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Dissolved Gas Supersaturation

Phosphorus (Total) Previously listed for "Nutrients".

ID17050201SW003_08	Lower Brownlee Reservoir (Porters Flat to Brownlee Dam)	13193.87	ACRES
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Phosphorus (Total) Previously listed for nutrients

ID17050201SW004_08	Upper Brownlee Reservoir (Weiser to Porters Flat)	1081.27	ACRES
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Oxygen, Dissolved

Phosphorus (Total) Previously listed for nutrients.

SNAKE RIVER HELLS CANYON TMDL

Sep 09, 2004

ID17050201SW001_08	Snake River - Hells Canyon Reservoir	2510.21	ACRES
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Temperature, water

ID17050201SW002_08	Snake River - Oxbow Reservoir	1106.23	ACRES
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Phosphorus (Total) Previously listed for "Nutrients".

Sedimentation/Siltation

Temperature, water

ID17050201SW003_08	Lower Brownlee Reservoir (Porters Flat to Brownlee Dam)	13193.87	ACRES
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Sedimentation/Siltation

Temperature, water

ID17050201SW004_08	Upper Brownlee Reservoir (Weiser to Porters Flat)	1081.27	ACRES
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Sedimentation/Siltation

Temperature, water

WILDHORSE RIVER TMDL

Oct 01, 2007

ID17050201SW015_02	Wildhorse River - 1st and 2nd order, including Crooked River	73.79	MILES
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Temperature, water

ID17050201SW015_04	Wildhorse River - 4th order (Bear Creek to mouth)	13.72	MILES
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Temperature, water

ID17050201SW016_02	Bear Creek - 1st and 2nd order	86.6	MILES
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Temperature, water

ID17050201SW016_03	Lick and Deer Creeks - 3rd order sections	4.73	MILES
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Temperature, water

ID17050201SW016_04	Lick and Bear Creeks - 4th order sections	7.41	MILES
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Temperature, water