

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LAHONTAN REGION**

**RESOLUTION NO. R6T-2009-0045**

**APPROVAL OF RECOMMENDATIONS FOR THE CLEAN WATER ACT SECTION  
303(D) LIST OF WATER QUALITY LIMITED SEGMENTS**

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**WHEREAS**, the California Regional Water Quality Control Board, Lahontan Region, finds:

1. Clean Water Act Section 305(b) requires States to prepare and submit to the U.S. Environmental Protection Agency (USEPA) for approval a report assessing statewide surface water quality.
  2. Clean Water Act Section 303(d) and Title 40, Code of Federal Regulations Section 130.7 requires States to develop and submit to the USEPA for approval a list of water bodies for which water quality standards (beneficial uses and water quality objectives) are not attained, or are not expected to be attained with the implementation of technology-based controls. This list is referred to as the "Section 303(d) List."
  3. The Section 303(d) List must include a description of the pollutants causing impairment and a schedule for development of a Total Maximum Daily Load (TMDL) for each pollutant.
  4. California's Section 303(d) List was last reviewed and updated in 2006 by the State Water Resources Control Board (State Water Board). The 2006 Section 303(d) List was approved by USEPA in 2007.
  5. On behalf of the Regional Water Boards, by letters dated December 4, 2006 and January 30, 2007 the State Water Board solicited water quality information and data from the public for use in the next water quality assessment under Sections 303(d) and 305(b). The results of the statewide assessment will be submitted to the USEPA as an "Integrated Report."
  6. Lahontan Water Board staff reviewed information and water quality data obtained from the public, data collected through the State's Surface Water Ambient Monitoring Program (SWAMP), and data affecting the status of water body-pollutant combinations on the 2006 Section 303(d) List. All readily available data and information obtained were considered in the assessment process.
  7. In developing recommendations for update of the Section 303(d) list, Water Board staff relied on the State's Water Quality Control Policy for Developing California's Clean Water Act Section 303(d) List (Listing Policy), as well as applicable federal guidelines and regulations.
  8. Staff recommendations for update of the Section 303(d) List were posted on the Water Board's internet web page. Interested parties were invited to submit comments on staff's recommendations for the Section 303(d) List and on staff's assessment of non-impaired water bodies under Section 305(b).
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9. No action by the Water Board on staff's assessment of non-impaired water bodies under Section 305(b) is required.
10. On July 8, 2009, the Water Board held a Public Hearing to consider recommendations to the State Water Board for revisions to the Section 303(d) List. Notice of the Public Hearing, dated May 15, 2009, was given to all interested persons in accordance with 40 CFR 132.20(h).
11. Water Board staff developed written responses to all written public comments received. The Water Board considered all written comments and public hearing testimony.

**THEREFORE, BE IT RESOLVED THAT:**

1. The Water Board hereby approves the three attachments to this resolution, including the water-body pollutant combinations listed in Integrated Report Categories 4a, 4b, and 5, as the recommended Section 303(d) List for the Lahontan Region.
2. The Water Board recommends that, after the sediment TMDL for the Middle Truckee River watershed receives all necessary approvals, the listings for the Truckee River and for Bronco and Gray Creeks should be moved from Integrated Report Category 5A to Category 4A.
3. The Executive Officer is authorized to transmit the Water Board's recommendations for the revised Section 303(d) List, and other supporting information to the State Water Board for its consideration and approval.

I, Harold J. Singer, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of a resolution adopted by the California Regional Water Quality Control Board, Lahontan Region, on July 8, 2009.

  
HAROLD J. SINGER  
EXECUTIVE OFFICER

Attachments (3):

- A. Category 4A – Water Quality Limited Segments being addressed by USEPA approved TMDLS
- B. Category 4B – Water Quality Limited Segments being addressed by actions other than TMDLS
- C. Category 5 – List of Water Quality Limited Segments

# **ATTACHMENT A**

7/8/09

2008 CALIFORNIA LIST OF WATER QUALITY LIMITED SEGMENTS  
BEING ADDRESSED BY USEPA APPROVED TMDLS

Category 4A Criteria: 1) A water segment where ALL its 303(d) listings are being addressed; and 2) at least one of those listings is being addressed by a USEPA approved TMDL.

\* USGS HUC = US Geological Survey Hydrologic Unit Code. Calwater = State Water Resources Control Board hydrological subunit area or even smaller planning watershed.

\*\* "Addressed By" is defined as: B = Being addressed by USEPA approved TMDL and C = Being addressed by action(s) other than a TMDL

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT ○ POTENTIAL SOURCES • Relevant Notes	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	ADDRESSED BY**	USEPA TMDL APPROVAL DATE
6	Indian Creek Reservoir	Lake & Reservoir	63220010 / 1.60502e	<ul style="list-style-type: none"> <li>• <u>Phosphorus</u> <ul style="list-style-type: none"> <li>○ Erosion/Siltation</li> <li>○ Flow Regulation/Modification</li> <li>○ Internal Nutrient Cycling (primarily lakes)</li> <li>○ Pasture Grazing-Riparian and/or Upland</li> <li>○ Wastewater</li> </ul> </li> </ul> <p>• Reservoir is eutrophic. Most significant source of nutrient loading is release of phosphorus from sediment. The USEPA approved the TMDL in 2003. Reductions in internal phosphorus loading from the sediment are expected to ameliorate other problems associated with eutrophication.</p>	164 Acres	2002	B	2003

6	Squaw Creek	River & Stream	63520011 / 16050102	<ul style="list-style-type: none"> <li>• <u>Sedimentation/Siltation</u> <ul style="list-style-type: none"> <li>○ Construction/Land Development</li> <li>○ Drainage/Filling Of Wetlands</li> <li>○ Highway Maintenance and Runoff</li> <li>○ Hydromodification</li> <li>○ Natural Sources</li> <li>○ Nonpoint Source</li> <li>○ Other Urban Runoff</li> <li>○ Recreational and Tourism Activities (non-boating)</li> </ul> </li> </ul>	5.8 Miles	1998	B	2007
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# **ATTACHMENT B**

7/8/09

**2008 CALIFORNIA LIST OF WATER QUALITY LIMITED SEGMENTS  
BEING ADDRESSED BY ACTIONS OTHER THAN TMDLS**

Category 4B Criteria: A water segment where ALL its 303(d) listings are being addressed by regulatory action(s) other than TMDL.

\* USGS HUC = US Geological Survey Hydrologic Unit Code. Calwater = is the State Water Resources Control Board hydrological subunit area or even smaller area delineation.

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT o POTENTIAL SOURCES o Relevant Notes	ESTIMATED FIRST AREA ASSESSED	FIRST YEAR LISTED	REGULATORY PROGRAM COMPLETION DATE
6	Aspen Creek	River & Stream	63210080 / 1.60502e	<ul style="list-style-type: none"> <li>• <u>Metals</u> <ul style="list-style-type: none"> <li>o Acid Mine Drainage</li> <li>o Inactive Mining</li> <li>o Mine Tailings</li> <li>o Natural Sources</li> <li>o Nonpoint Source</li> </ul> </li> <li>• This listing is being addressed through a CERCLA remediation program and through ongoing work by Lahontan Water Board staff.</li> </ul>	0.93 Miles	1992	2019
6	Bryant Creek	River & Stream	63210080 / 1.60502e	<ul style="list-style-type: none"> <li>• <u>Metals</u> <ul style="list-style-type: none"> <li>o Acid Mine Drainage</li> <li>o Inactive Mining</li> <li>o Mine Tailings</li> <li>o Nonpoint Source</li> </ul> </li> <li>• This listing is being addressed through a CERCLA remediation program and through ongoing work by Lahontan Water Board staff.</li> </ul>	5.2 Miles	1992	2019
6	Buckeye Creek	River & Stream	63040022 / 16050301	<ul style="list-style-type: none"> <li>• <u>Pathogens</u> <ul style="list-style-type: none"> <li>o Grazing-Related Sources</li> <li>o Natural Sources</li> <li>o Pasture Grazing-Riparian and/or Upland</li> <li>o Range Grazing-Riparian and/or Upland</li> <li>o Recreational and Tourism Activities (non-boating)</li> </ul> </li> <li>• This listing is being addressed through the implementation of management practices for livestock grazing under Lahontan RWQCB Resolution R6T-2007-0019, Waiver of Waste Discharge Requirements for Grazing Operations in the East Walker River Watershed (Bridgeport Valley and Tributaries) of the Lahontan Region.</li> </ul>	17 Miles	2002	2027
6	Cold Creek River & Stream	River & Stream	63410030 / 16050101	<ul style="list-style-type: none"> <li>• <u>Total Nitrogen as N</u> <ul style="list-style-type: none"> <li>o Agricultural Water Diversion</li> </ul> </li> <li>• This listing is being addressed through a U.S. Forest Service</li> </ul>	7.1 Miles	2008	2028

restoration project.

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6	East Walker River, above Bridgeport Reservoir	River & Stream	63030050 / 16050301	• <b>Pathogens</b>	7.2 Miles	2002	2027
				○ Natural Sources			
				○ Other Urban Runoff			
				○ Pasture Grazing-Riparian and/or Upland			
				○ Recreational and Tourism Activities (non-boating)			
				• <i>This listing is being addressed through the implementation of management practices for livestock grazing under Lahontan RWQCB Resolution R6T-2007-0019, Waiver of Waste Discharge Requirements for Grazing Operations in the East Walker River Watershed (Bridgeport Valley and Tributaries) of the Lahontan Region.</i>			

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6	Leviathan Creek	River & Stream	63210080 / 1.60502e	• <b>Metals</b>	3.2 Miles	1992	2019
				○ Acid Mine Drainage			
				○ Erosion/Siltation			
				○ Inactive Mining			
				○ Mine Tailings			
				• <i>This listing is being addressed through a CERCLA remediation program and through ongoing work by Lahontan Water Board staff.</i>			

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6	Mono Lake	Saline Lake	60100080 / 1.80901e	• <b>Salinity/TDS/Chlorides</b>	39743 Acres	1998	2019
				○ Flow Regulation/Modification			
				○ Natural Sources			
				○ Source Unknown			
				• <i>This listing is being addressed through State Water Resources Control Board Water Rights Decision 1631.</i>			

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6	Robinson Creek (Hwy 395 to Bridgeport Res)	River & Stream	63030050 / 16050301	• <b>Pathogens</b>	1.8 Miles	2002	2027
				○ Agricultural Return Flows			
				○ Natural Sources			
				○ Onsite Wastewater Systems (Septic Tanks)			
				○ Pasture Grazing-Riparian and/or Upland			
				○ Recreational and Tourism Activities (non-boating)			
				• <i>This listing is being addressed through the implementation of management practices for livestock grazing under Lahontan RWQCB Resolution R6T-2007-0019, Waiver of Waste Discharge Requirements for Grazing Operations in the East Walker River Watershed (Bridgeport Valley and Tributaries) of the Lahontan Region.</i>			

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6	Robinson Creek (Twin Lakes to Hwy 395)	River & Stream	63030050 / 16050301	9.1 Miles	2002	2027
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- Pathogens
  - Natural Sources
  - Onsite Wastewater Systems (Septic Tanks)
  - Pasture Grazing-Riparian and/or Upland
  - Recreational and Tourism Activities (non-boating)

- *This listing is being addressed through the implementation of management practices for livestock grazing under Lahontan RWQCB Resolution R6T-2007-0019, Waiver of Waste Discharge Requirements for Grazing Operations in the East Walker River Watershed (Bridgeport Valley and Tributaries) of the Lahontan Region.*

6	Searles Lake	Saline Lake	62110000 / 1.80902e	30210 Acres	2006	2019
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- Salinity/TDS/Chlorides
  - Source Unknown

- *This listing is being addressed through Lahontan Water Board Cleanup and Abatement Orders 6-00-64, 6-00-64A1 and 6-00-64A2.*

- Total Petroleum Hydrocarbons
  - Industrial Point Sources

- *This listing is being addressed through Lahontan Water Board Cleanup and Abatement Orders 6-00-64, 6-00-64A1 and 6-00-64A2.*

# **ATTACHMENT C**

7/8/09

2008 CALIFORNIA 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS\*

Category 5 criteria: 1) A water segment where standards are not met and a TMDL is required, but not yet completed, for at least one of the pollutants being listed for this segment.

\* USGS HUC = US Geological Survey Hydrologic Unit Code. Calwater = State Water Resources Control Board hydrological subunit area or even smaller planning watershed.

\*\* TMDL requirement status definitions for listed pollutants are: A= TMDL still required, B= being addressed by USEPA approved TMDL, C= being addressed by action other than a TMDL

\*\*\* Dates relate to the TMDL requirement status, so a date for A= TMDL scheduled completion date, B= Date USEPA approved TMDL, and C= Completion date for action other than a TMDL

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT ○ POTENTIAL SOURCES ● Relevant Notes	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	TMDL REQUIREMENT STATUS**	DATE***
6	Blackwood Creek	River & Stream	63420021 / 1.60501e	● <u>Iron</u>	5.9 Miles	2002	5A	2022
				○ Erosion/Siltation				
				○ Natural Sources				
				○ Nonpoint Source				
● This listing may be addressed through revision of the water quality objective rather than a TMDL.								
6	Blackwood Creek	River & Stream	63420021 / 1.60501e	● <u>Nitrogen</u>	5.9 Miles	2002	5A	2022
				○ Atmospheric Deposition				
				○ Erosion/Siltation				
				○ Hydromodification				
○ Natural Sources								
○ Nonpoint Source								
○ Resource Extraction								
○ Silviculture								
○ Streambank Modification/Destabilization								
6	Blackwood Creek	River & Stream	63420021 / 1.60501e	● <u>Phosphorus</u>	5.9 Miles	2002	5A	2022
				○ Erosion/Siltation				
				○ Grazing-Related Sources				
				○ Hydromodification				
○ Natural Sources								
○ Nonpoint Source								
○ Resource Extraction								
○ Silviculture								
○ Streambank Modification/Destabilization								
6	Blackwood Creek	River & Stream	63420021 / 1.60501e	● <u>Sedimentation/Siltation</u>	5.9 Miles	1996	5B	2008
				○ Atmospheric Deposition				
				○ Construction/Land Development				
				○ Erosion/Siltation				
○ Hydromodification								
○ Natural Sources								
○ Nonpoint Source								
○ Range Grazing-Riparian and/or Upland								
○ Recreational and Tourism Activities (non-boating)								
○ Resource Extraction								
○ Silviculture								
○ Streambank Modification/Destabilization								
○ Surface Runoff								
6	Bodie Creek	River & Stream	63020031 / 18090101	● <u>Mercury</u> ○ Source Unknown	11 Miles	2006	5A	2019

6 Bridgeport Lake & 63030050 / 2614 Acres 1992 5A 2006  
 Reservoir Reservoir 1.60503e

- Nitrogen
  - Atmospheric Deposition
  - Channel Erosion
  - Erosion/Siltation
  - Flow Regulation/Modification
  - Grazing-Related Sources
  - Highway/Road/Bridge Construction
  - Internal Nutrient Cycling (primarily lakes)
  - Marinas and Recreational Boating
  - Natural Sources
  - Other Urban Runoff
  - Pasture Grazing-Riparian and/or Upland
  - Recreational and Tourism Activities (non-boating)
  - Removal of Riparian Vegetation
  - Sediment Resuspension
  - Streambank Modification/Destabilization
  - Wastewater - land disposal

• Phosphorus 2614 Acres 1992 5A 2006

- Atmospheric Deposition
- Channel Erosion
- Erosion/Siltation
- Flow Regulation/Modification
- Grazing-Related Sources
- Highway Maintenance and Runoff
- Internal Nutrient Cycling (primarily lakes)
- Marinas and Recreational Boating
- Natural Sources
- Other Urban Runoff
- Pasture Grazing-Riparian and/or Upland
- Recreational and Tourism Activities (non-boating)
- Removal of Riparian Vegetation
- Streambank Modification/Destabilization
- Wastewater - land disposal

• Sedimentation/Siltation 2614 Acres 1992 5A 2006

- Erosion/Siltation
- Grazing-Related Sources
- Sediment Resuspension
- Streambank Modification/Destabilization

6 Bronco River & 63520053 / 1.3 Miles 1996 5A 2008  
 Creek Stream 1.60501e

- Sedimentation/Siltation
  - Natural Sources
  - Nonpoint Source
  - Silviculture

6 Carson River, West River & 63320014 / 18 Miles 2008 5A 2021  
 Fork Stream 1.60502e  
 (Headwaters to Woodfords)

- Nitrate
  - Source Unknown

- This listing may be addressed through revision of the water quality objective rather than through a TMDL.

- **Nitrogen** 18 Miles 2002 5A 2019
  - Atmospheric Deposition
  - Channel Erosion
  - Erosion/Siltation
  - Habitat Modification
  - Highway Maintenance and Runoff
  - Natural Sources
  - Onsite Wastewater Systems (Septic Tanks)
  - Recreational and Tourism Activities (non-boating)
  - Removal of Riparian Vegetation
  - Silviculture
  - Streambank Modification/Destabilization

- This listing may be addressed through revision of the water quality objective rather than through a TMDL.

- **Phosphorus** 18 Miles 2002 5A 2019
  - Atmospheric Deposition
  - Channel Erosion
  - Erosion/Siltation
  - Habitat Modification
  - Highway Maintenance and Runoff
  - Natural Sources
  - Recreational and Tourism Activities (non-boating)
  - Removal of Riparian Vegetation
  - Silviculture
  - Streambank Modification/Destabilization

- This listing may be addressed through revision of the water quality objective rather than through a TMDL.

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|---|---|----------------|---------------------|---|
| 6 | Carson River, West Fork (Paynesville to State Line) | River & Stream | 63310013 / 16050201 | <ul style="list-style-type: none"> <li>• <b>Pathogens</b> 3.3 Miles 2002 5A 2019               <ul style="list-style-type: none"> <li>○ Agriculture-irrigation tailwater</li> <li>○ Agriculture-storm runoff</li> <li>○ Pasture Grazing-Riparian and/or Upland</li> </ul> </li> </ul> |
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|---|--|----------------|---------------------|--|
| 6 | Carson River, West Fork (Woodfords to Paynesville) | River & Stream | 63310012 / 16050201 | <ul style="list-style-type: none"> <li>• <b>Nitrogen</b> 3.6 Miles 2002 5A 2019               <ul style="list-style-type: none"> <li>○ Agriculture-irrigation tailwater</li> <li>○ Agriculture-storm runoff</li> <li>○ Agriculture-subsurface drainage</li> <li>○ Atmospheric Deposition</li> <li>○ Channel Erosion</li> <li>○ Erosion/Siltation</li> <li>○ Habitat Modification</li> <li>○ Highway Maintenance and Runoff</li> <li>○ Natural Sources</li> <li>○ Pasture Grazing-Riparian and/or Upland</li> <li>○ Range Grazing-Riparian and/or Upland</li> <li>○ Recreational and Tourism Activities (non-boating)</li> <li>○ Removal of Riparian</li> </ul> </li> </ul> |
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- Vegetation
- Silviculture
- Streambank Modification/Destabilization
- Wastewater - land disposal

• This listing may be addressed through revision of the water quality objective rather than through a TMDL.

- **Pathogens** 3.6 Miles 2002 5A 2019
  - Agricultural Return Flows
  - Natural Sources
  - Pasture Grazing-Riparian and/or Upland
  - Recreational and Tourism Activities (non-boating)

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|---|------------------|----------------|---------------------|---|--|--|--|--|
| 6 | Clearwater Creek | River & Stream | 63040051 / 1.60503e | <ul style="list-style-type: none"> <li>• <b>Sedimentation/Siltation</b> 12 Miles 1996 5A 2006               <ul style="list-style-type: none"> <li>○ Construction/Land Development</li> <li>○ Highway Maintenance and Runoff</li> <li>○ Range Grazing-Riparian and/or Upland</li> </ul> </li> </ul> |  |  |  |  |
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• Listed on basis of limited information; additional monitoring may support delisting.

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|---|--------------|------------------|---------------------|--|--|--|--|--|
| 6 | Crowley Lake | Lake & Reservoir | 60310090 / 1.80901e | <ul style="list-style-type: none"> <li>• <b>Ammonia</b> 4861 Acres 2006 5A 2019               <ul style="list-style-type: none"> <li>○ Source Unknown</li> </ul> </li> <li>• <b>Oxygen, Dissolved</b> 4861 Acres 2006 5A 2019               <ul style="list-style-type: none"> <li>○ Source Unknown</li> </ul> </li> </ul> |  |  |  |  |
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| 6 | Donner Lake | Lake & Reservoir | 63520021 / 1.60501e | <ul style="list-style-type: none"> <li>• <b>Priority Organics</b> 819 Acres 1998 5A 2019               <ul style="list-style-type: none"> <li>○ Source Unknown</li> </ul> </li> </ul> |  |  |  |  |
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| 6 | Eagle Lake (Lassen County) | Lake & Reservoir | 63732000 / 18080003 | <ul style="list-style-type: none"> <li>• <b>Nitrogen</b> 20704 Acres 2002 5A 2019               <ul style="list-style-type: none"> <li>○ Agriculture</li> <li>○ Atmospheric Deposition</li> <li>○ Grazing-Related Sources</li> <li>○ Highway Maintenance and Runoff</li> <li>○ Internal Nutrient Cycling (primarily lakes)</li> <li>○ Marinas and Recreational Boating</li> <li>○ Natural Sources</li> <li>○ Nonpoint Source</li> <li>○ Onsite Wastewater Systems (Septic Tanks)</li> <li>○ Other Urban Runoff</li> <li>○ Recreational and Tourism Activities (non-boating)</li> <li>○ Sediment Resuspension</li> <li>○ Silviculture</li> <li>○ Wastewater</li> </ul> </li> <li>• <b>Phosphorus</b> 20704 Acres 2002 5A 2019               <ul style="list-style-type: none"> <li>○ Atmospheric Deposition</li> <li>○ Grazing-Related Sources</li> <li>○ Highway/Road/Bridge Runoff</li> <li>○ Internal Nutrient Cycling (primarily lakes)</li> <li>○ Marinas and Recreational Boating</li> </ul> </li> </ul> |  |  |  |  |
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- Natural Sources
- Nonpoint Source
- Onsite Wastewater Systems (Septic Tanks)
- Other Urban Runoff
- Recreational and Tourism Activities (non-boating)
- Sediment Resuspension
- Silviculture
- Wastewater

6	East Walker River, below Bridgeport Reservoir	River & Stream	63030050 / 16050301	<ul style="list-style-type: none"> <li>• <u>Sedimentation/Siltation</u> <ul style="list-style-type: none"> <li>○ Erosion/Siltation</li> <li>○ Grazing-Related Sources</li> <li>○ Highway Maintenance and Runoff</li> <li>○ Upstream Impoundment</li> <li>○ Urban Runoff--Erosion and Sedimentation</li> </ul> </li> </ul>	8 Miles	2002	5A	2019
6	General Creek	River & Stream	63420030 / 1.60501e	<ul style="list-style-type: none"> <li>• <u>Iron</u> <ul style="list-style-type: none"> <li>○ Natural Sources</li> <li>○ Silviculture</li> </ul> </li> <li>• <i>This listing may be addressed through revision of the water quality objective rather than through a TMDL.</i></li> <li>• <u>Phosphorus</u> <ul style="list-style-type: none"> <li>○ Atmospheric Deposition</li> <li>○ Erosion/Siltation</li> <li>○ Natural Sources</li> </ul> </li> </ul>	9.1 Miles	2002	5A	2019
6	Gray Creek (Nevada County)	River & Stream	63520052 / 16050102	<ul style="list-style-type: none"> <li>• <u>Sedimentation/Siltation</u> <ul style="list-style-type: none"> <li>○ Natural Sources</li> <li>○ Nonpoint Source</li> <li>○ Silviculture</li> </ul> </li> </ul>	2.8 Miles	1996	5A	2008
6	Haiwee Reservoir	Lake & Reservoir	62410071 / 1.80901e	<ul style="list-style-type: none"> <li>• <u>Copper</u> <ul style="list-style-type: none"> <li>○ Other</li> </ul> </li> </ul>	1703 Acres	1998	5A	2004
6	Heavenly Valley Creek (USFS boundary to Trout Creek)	River & Stream	63410031 / 16050101	<ul style="list-style-type: none"> <li>• <u>Chloride</u> <ul style="list-style-type: none"> <li>○ Atmospheric Deposition</li> <li>○ Highway/Road/Bridge Runoff</li> <li>○ Natural Sources</li> <li>○ Source Unknown</li> </ul> </li> <li>• <i>This listing may be addressed by revision of the water quality objective rather than through a TMDL.</i></li> <li>• <u>Sedimentation/Siltation</u> <ul style="list-style-type: none"> <li>○ Construction/Land Development</li> <li>○ Habitat Modification</li> <li>○ Hydromodification</li> <li>○ Land Development</li> <li>○ Nonpoint Source</li> <li>○ Recreational and Tourism Activities (non-boating)</li> </ul> </li> </ul>	1.4 Miles	2002	5A	2019
6	Heavenly Valley Creek (source to	River & Stream	63410031 / 16050101	<ul style="list-style-type: none"> <li>• <u>Chloride</u> <ul style="list-style-type: none"> <li>○ Atmospheric Deposition</li> <li>○ Highway Maintenance and</li> </ul> </li> </ul>	2 Miles	2002	5A	2019

USFS  
boundary)

- Runoff
  - o Natural Sources
  - o Source Unknown

- This listing may be addressed through revision of the water quality objective rather than through a TMDL.

- Phosphorus 2 Miles 2002 5A 2019
  - o Atmospheric Deposition
  - o Erosion/Siltation
  - o Natural Sources
  - o Recreational and Tourism Activities (non-boating)
- Sedimentation/Siltation 2 Miles 2006 5B 2002
  - o Source Unknown

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- |   |            |             |                     |                  |             |      |    |      |
|---|------------|-------------|---------------------|------------------|-------------|------|----|------|
| 6 | Honey Lake | Saline Lake | 63710060 / 1.808e+0 | • <u>Arsenic</u> | 57756 Acres | 1998 | 5A | 2019 |
|---|------------|-------------|---------------------|------------------|-------------|------|----|------|
- o Flow Regulation/Modification
  - o Geothermal Development
  - o Natural Sources
  - o Nonpoint Source

- Arsenic in Honey Lake is ultimately from natural sources, but the lake is affected by geothermal discharges. Further study is needed to determine whether a TMDL is needed.

- Salinity/TDS/Chlorides 57756 Acres 1998 5A 2019
  - o Agricultural Return Flows
  - o Agricultural Water Diversion
  - o Agriculture
  - o Geothermal Development
  - o Natural Sources
  - o Nonpoint Source
  - o Sediment Resuspension

- Honey Lake has naturally high salinity but is affected by low flows and geothermal discharges. Further study is needed to verify whether impairment occurs and whether a TMDL is needed.

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- |   |                          |                     |                     |                 |             |      |    |      |
|---|--------------------------|---------------------|---------------------|-----------------|-------------|------|----|------|
| 6 | Honey Lake Area Wetlands | Wetland, Freshwater | 63710060 / 1.808e+0 | • <u>Metals</u> | 62590 Acres | 2002 | 5A | 2019 |
|---|--------------------------|---------------------|---------------------|-----------------|-------------|------|----|------|
- o Agriculture
  - o Geothermal Development
  - o Natural Sources
  - o Nonpoint Source

- The wetlands adjacent to Honey Lake are affected by salts and trace elements from natural sources, which may be concentrated by evaporation during dry years. Additional study is needed to verify whether impairment exists and whether a TMDL is needed.

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- |   |                                      |             |                     |                 |           |      |    |      |
|---|--------------------------------------|-------------|---------------------|-----------------|-----------|------|----|------|
| 6 | Honey Lake Wildfowl Management Ponds | Saline Lake | 63720095 / 1.808e+0 | • <u>Metals</u> | 665 Acres | 1998 | 5A | 2019 |
|---|--------------------------------------|-------------|---------------------|-----------------|-----------|------|----|------|
- o Agriculture
  - o Geothermal Development
  - o Natural Sources

- The ponds are affected by salts and trace elements from natural sources, which may be concentrated by evaporation during dry years. Additional study is needed to verify whether impairment exists and whether a TMDL is needed.

- Salinity/TDS/Chlorides 665 Acres 1998 5A 2019
  - o Agriculture
  - o Geothermal Development
  - o Natural Sources

- The ponds are affected by salts and trace elements from natural sources, which may be concentrated by evaporation during dry years. Additional study is needed to verify whether impairment exists and whether a TMDL is needed.

- Trace Elements 665 Acres 1998 5A 2019
  - Geothermal Development
  - Nurseries

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6	Indian Creek (Alpine County)	River & Stream	63220010 / 16050201	<ul style="list-style-type: none"> <li>• <u>Pathogens</u> <ul style="list-style-type: none"> <li>○ Grazing-Related Sources</li> <li>○ Pasture Grazing-Riparian and/or Upland</li> </ul> </li> </ul>	13 Miles	2002	5A	2019
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6	Mammoth Creek (Old Mammoth Road to Highway 395)	River & Stream	60310053 / 18090102	<ul style="list-style-type: none"> <li>• <u>Mercury</u> <ul style="list-style-type: none"> <li>○ Natural Sources</li> </ul> </li> </ul>	6 Miles		5A	2019
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6	Mammoth Creek (Twin Lakes outlet to Old Mammoth Road)	River & Stream	60310051 / 18090102	<ul style="list-style-type: none"> <li>• <u>Mercury</u> <ul style="list-style-type: none"> <li>○ Natural Sources</li> </ul> </li> </ul>	1.9 Miles		5A	2019
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6	Mesquite Springs (Inyo County)	Wetland, Freshwater	60911000 / 18090203	<ul style="list-style-type: none"> <li>• <u>Arsenic</u> <ul style="list-style-type: none"> <li>○ Natural Sources</li> </ul> </li> <li>• <u>Boron</u> <ul style="list-style-type: none"> <li>○ Natural Sources</li> </ul> </li> </ul>	0.17 Acres	2008	5A	2021
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6	Mojave River (Mojave Forks Reservoir outlet to Upper Narrows)	River & Stream	62820000 / 18090208	<ul style="list-style-type: none"> <li>• <u>Fluoride</u> <ul style="list-style-type: none"> <li>○ Natural Sources</li> </ul> </li> </ul>	15 Miles	2008	5A	2021
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6	Mojave River (Upper Narrows to Lower Narrows)	River & Stream	62820000 / 18090208	<ul style="list-style-type: none"> <li>• <u>Fluoride</u> <ul style="list-style-type: none"> <li>○ Natural Sources</li> </ul> </li> </ul>	4 Miles	2008	5A	2021
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6	Monitor Creek	River & Stream	63210070 / 1.60502e	<ul style="list-style-type: none"> <li>• <u>Aluminum</u> <ul style="list-style-type: none"> <li>○ Acid Mine Drainage</li> <li>○ Inactive Mining</li> <li>○ Mill Tailings</li> <li>○ Mine Tailings</li> <li>○ Natural Sources</li> <li>○ Nonpoint Source</li> <li>○ Point Source</li> </ul> </li> </ul>	4 Miles	2002	5A	2019
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• This listing is expected to be addressed through the CERCLA remediation process.

- Iron 4 Miles 2002 5A 2019
  - Acid Mine Drainage
  - Inactive Mining

- Mill Tailings
- Mine Tailings
- Natural Sources
- Nonpoint Source
- Point Source

• This listing is expected to be addressed through the CERCLA remediation process..

- Manganese 4 Miles 2002 5A 2019
  - Acid Mine Drainage
  - Inactive Mining
  - Mill Tailings
  - Mine Tailings
  - Natural Sources
  - Nonpoint Source
  - Point Source

• This listing is expected to be addressed through the CERCLA remediation process.

- Silver 4 Miles 2002 5A 2019
  - Acid Mine Drainage
  - Inactive Mining
  - Mill Tailings
  - Mine Tailings
  - Natural Sources
  - Nonpoint Source

• This listing is expected to be addressed through the CERCLA remediation process.

- Sulfates 4 Miles 2002 5A 2019
  - Acid Mine Drainage
  - Inactive Mining
  - Mill Tailings
  - Mine Tailings
  - Nonpoint Source
  - Point Source

• This listing is expected to be addressed through the CERCLA remediation process.

- Total Dissolved Solids 4 Miles 2002 5A 2019
  - Acid Mine Drainage
  - Inactive Mining
  - Mill Tailings
  - Mine Tailings
  - Natural Sources
  - Nonpoint Source
  - Point Source

• This listing is expected to be addressed through the CERCLA remediation process.

6	Pleasant Valley Reservoir	Lake & Reservoir	60320000 / 1.80901e	<ul style="list-style-type: none"> <li>• <u>Organic Enrichment/Low Dissolved Oxygen</u> <ul style="list-style-type: none"> <li>○ Flow Regulation/Modification</li> <li>○ Nonpoint Source</li> </ul> </li> </ul>	99 Acres	1996	5A	2019
6	Susan River (Headwaters to Susanville)	River & Stream	63720010 / 18080003	<ul style="list-style-type: none"> <li>• <u>Mercury</u> <ul style="list-style-type: none"> <li>○ Natural Sources</li> </ul> </li> <li>• <u>Unknown Toxicity</u> <ul style="list-style-type: none"> <li>○ Source Unknown</li> </ul> </li> </ul>	36 Miles		5A	2019
6	Susan River	River &	63720050 /	<ul style="list-style-type: none"> <li>• <u>Mercury</u></li> </ul>			5A	2019

	(Litchfield to Honey Lake)	Stream	18080003	<ul style="list-style-type: none"> <li>○ Source Unknown</li> <li>● <u>Unknown Toxicity</u> <ul style="list-style-type: none"> <li>○ Source Unknown</li> </ul> </li> </ul>			5A	2019
6	Susan River (Susanville to Litchfield)	River & Stream	63720050 / 18080003	<ul style="list-style-type: none"> <li>● <u>Mercury</u> <ul style="list-style-type: none"> <li>○ Natural Sources</li> </ul> </li> <li>● <u>Unknown Toxicity</u> <ul style="list-style-type: none"> <li>○ Source Unknown</li> </ul> </li> </ul>	16 Miles		5A	2019
6	Swauger Creek	River & Stream	63040012 / 1.60503e	<ul style="list-style-type: none"> <li>● <u>Pathogens</u> <ul style="list-style-type: none"> <li>○ Natural Sources</li> <li>○ Onsite Wastewater Systems (Septic Tanks)</li> <li>○ Pasture Grazing-Riparian and/or Upland</li> <li>○ Range Grazing-Riparian and/or Upland</li> <li>○ Recreational and Tourism Activities (non-boating)</li> </ul> </li> <li>● <i>This listing is being addressed through the implementation of management practices for livestock grazing under Lahontan RWQCB Resolution R6T-2007-0019, Waiver of Waste Discharge Requirements for Grazing Operations in the East Walker River Watershed (Bridgeport Valley and Tributaries) of the Lahontan Region.</i></li> <li>● <u>Phosphorus</u> <ul style="list-style-type: none"> <li>○ Atmospheric Deposition</li> <li>○ Erosion/Siltation</li> <li>○ Highway/Road/Bridge Runoff</li> <li>○ Natural Sources</li> <li>○ Nonpoint Source</li> <li>○ Pasture Grazing-Riparian and/or Upland</li> <li>○ Range Grazing-Riparian and/or Upland</li> <li>○ Streambank Modification/Destabilization</li> <li>○ Surface Runoff</li> </ul> </li> </ul>	14 Miles	2002	5C	
6	Tahoe, Lake	Lake & Reservoir	63430010 / 1.60501e	<ul style="list-style-type: none"> <li>● <u>Nitrogen</u> <ul style="list-style-type: none"> <li>○ Atmospheric Deposition</li> <li>○ Channel Erosion</li> <li>○ Construction/Land Development</li> <li>○ Drainage/Filling Of Wetlands</li> <li>○ Erosion/Siltation</li> <li>○ Golf course activities</li> <li>○ Grazing-Related Sources</li> <li>○ Groundwater Loadings</li> <li>○ Habitat Modification</li> <li>○ Highway/Road/Bridge Runoff</li> <li>○ Hydromodification</li> <li>○ Internal Nutrient Cycling (primarily lakes)</li> <li>○ Land Development</li> <li>○ Marinas and Recreational Boating</li> <li>○ Natural Sources</li> <li>○ Other Urban Runoff</li> <li>○ Recreational and Tourism Activities (non-boating)</li> <li>○ Removal of Riparian</li> </ul> </li> </ul>	85364 Acres	2002	5A	2010

- Vegetation
- Silviculture
- Streambank Modification/Destabilization
- Surface Runoff
- Urban Runoff--Erosion and Sedimentation
- Urban Runoff--Non-industrial Permitted
- Urban Runoff/Storm Sewers

- **Phosphorus** 85364 2002 5A 2010  
Acres
- Atmospheric Deposition
- Channel Erosion
- Erosion/Siltation
- Grazing-Related Sources
- Highway Maintenance and Runoff
- Highway/Road/Bridge Construction
- Highway/Road/Bridge Runoff
- Internal Nutrient Cycling (primarily lakes)
- Land Development
- Natural Sources
- Nonpoint Source
- Other Urban Runoff
- Recreational and Tourism Activities (non-boating)
- Sediment Resuspension
- Silviculture
- Streambank Modification/Destabilization
- Urban Runoff--Erosion and Sedimentation
- Urban Runoff--Non-industrial Permitted
- Urban Runoff/Storm Sewers

- **Sedimentation/Siltation** 85364 2006 5A 2010  
Acres
- Atmospheric Deposition
- Channel Erosion
- Channelization
- Erosion/Siltation
- Grazing-Related Sources
- Highway/Road/Bridge Construction
- Highway/Road/Bridge Runoff
- Hydromodification
- Land Development
- Natural Sources
- Nonpoint Source
- Other Urban Runoff
- Recreational and Tourism Activities (non-boating)
- Removal of Riparian Vegetation
- Sediment Resuspension
- Silviculture
- Streambank Modification/Destabilization
- Urban Runoff--Erosion and Sedimentation
- Urban Runoff/Storm Sewers

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6	Tallac Creek (below Hwy 89)	River & Stream	63410041 / 16050101	• <b>Pathogens</b>	1.3 Miles	2002	5A	2019
				○ Grazing-Related Sources				
				○ Pasture Grazing-Riparian				

and/or Upland

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6	Trout Creek (above Hwy 50)	River & Stream	63410020 / 1.60501e	<ul style="list-style-type: none"><li>• <u>Iron</u><ul style="list-style-type: none"><li>○ Erosion/Siltation</li><li>○ Natural Sources</li><li>○ Urban Runoff--Non- industrial Permitted</li></ul></li><li>• <i>This issue may be addressed through revision of the water quality objective rather than through a TMDL.</i></li><li>• <u>Nitrogen</u><ul style="list-style-type: none"><li>○ Atmospheric Deposition</li><li>○ Erosion/Siltation</li><li>○ Pasture Grazing-Riparian and/or Upland</li><li>○ Urban Runoff--Non- industrial Permitted</li></ul></li><li>• <u>Pathogens</u><ul style="list-style-type: none"><li>○ Source Unknown</li></ul></li><li>• <u>Phosphorus</u><ul style="list-style-type: none"><li>○ Atmospheric Deposition</li><li>○ Erosion/Siltation</li><li>○ Pasture Grazing-Riparian and/or Upland</li><li>○ Urban Runoff--Non- industrial Permitted</li></ul></li></ul>	10 Miles	2002	5A	2019
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6	Trout Creek (below Hwy 50)	River & Stream	63410042 / 1.60501e	<ul style="list-style-type: none"><li>• <u>Iron</u><ul style="list-style-type: none"><li>○ Erosion/Siltation</li><li>○ Natural Sources</li><li>○ Urban Runoff--Non- industrial Permitted</li></ul></li><li>• <i>This listing may be addressed through revision of the water quality objective rather than through a TMDL.</i></li><li>• <u>Nitrogen</u><ul style="list-style-type: none"><li>○ Atmospheric Deposition</li><li>○ Erosion/Siltation</li><li>○ Urban Runoff--Non- industrial Permitted</li></ul></li><li>• <u>Pathogens</u><ul style="list-style-type: none"><li>○ Grazing-Related Sources</li></ul></li><li>• <u>Phosphorus</u><ul style="list-style-type: none"><li>○ Atmospheric Deposition</li><li>○ Erosion/Siltation</li><li>○ Urban Runoff--Non- industrial Permitted</li></ul></li></ul>	0.78 Miles	2002	5A	2019
<hr/>								
6	Truckee River	River & Stream	63510010 / 16050101	<ul style="list-style-type: none"><li>• <u>Sedimentation/Siltation</u><ul style="list-style-type: none"><li>○ Channel Erosion</li><li>○ Construction/Land Development</li><li>○ Erosion/Siltation</li><li>○ Highway/Road/Bridge Construction</li><li>○ Natural Sources</li><li>○ Nonpoint Source</li><li>○ Range Grazing-Riparian and/or Upland</li><li>○ Recreational and Tourism</li></ul></li></ul>	39 Miles	1996	5A	2008

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- Activities (non-boating)
- Silviculture
- Snow skiing activities
- Streambank Modification/Destabilization

6 Truckee River & Stream 63410010 / 16050101 • Iron 4.5 Miles 2002 5A 2019  
 River, Upper (above Christmas Valley)

- Natural Sources

• This listing may be addressed through revision of the water quality objective rather than through a TMDL.

• Phosphorus 4.5 Miles 2002 5A 2019  
 ○ Grazing-Related Sources  
 ○ Natural Sources  
 ○ Silviculture

6 Truckee River, Upper (below Christmas Valley) River & Stream 63410042 / 1.60501e • Iron 11 Miles 2002 5A 2019

- Erosion/Siltation
- Natural Sources
- Nonpoint Source

• This listing may be addressed through revision of the water quality objective rather than through a TMDL.

• Phosphorus 11 Miles 2002 5A 2019  
 ○ Atmospheric Deposition  
 ○ Channelization  
 ○ Construction/Land Development  
 ○ Erosion/Siltation  
 ○ Highway Maintenance and Runoff  
 ○ Hydromodification  
 ○ Natural Sources  
 ○ Nonpoint Source  
 ○ Removal of Riparian Vegetation  
 ○ Silviculture  
 ○ Streambank Modification/Destabilization  
 ○ Unknown Nonpoint Source

6 Ward Creek River & Stream 63420020 / 1.60501e • Iron 5.7 Miles 2002 5A 2015

- Channel Erosion
- Erosion/Siltation
- Highway Maintenance and Runoff
- Natural Sources
- Other Urban Runoff
- Silviculture

• This listing may be addressed through revision of the water quality objective rather than through a TMDL.

• Nitrogen 5.7 Miles 2002 5A 2008  
 ○ Atmospheric Deposition  
 ○ Channel Erosion  
 ○ Erosion/Siltation  
 ○ Highway/Road/Bridge Runoff  
 ○ Natural Sources  
 ○ Other Urban Runoff  
 ○ Silviculture

