Presented below are water quality standards that are in effect for Clean Water Act purposes.

EPA is posting these standards as a convenience to users and has made a reasonable effort to assure their accuracy. Additionally, EPA has made a reasonable effort to identify parts of the standards that are not approved, disapproved, or are otherwise not in effect for Clean Water Act purposes.

[Rev. 7/7/2016 2:35:48 PM]

[NAC-445A Revised Date: 6-16]

CHAPTER 445A - WATER CONTROLS

PERMITS TO CONSTRUCT PIERS, BREAKWATERS OR MOORING BUOYS

CERTIFICATION OF LABORATORIES TO ANALYZE SUBSTANCES IN WATER

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445A.1626 Truckee Region: Lake Tahoe.
445A.1628 Truckee Region: Lake Tahoe Tributaries.
445A.1632 Truckee Region: Incline Creek, East Fork at the ski resort.
445A.1634 Truckee Region: Incline Creek, West Fork at State Highway 431.
445A.1636 Truckee Region: Incline Creek, East Fork; Incline Creek, West Fork; and Incline Creek.
445A.1638 Truckee Region: Third Creek, East Fork at State Highway 431.
445A.1642 Truckee Region: Third Creek, East Fork; Third Creek, West Fork; and Third Creek.
445A.1644 Truckee Region: Wood Creek.
445A.1646 Truckee Region: Second Creek at Second Creek Drive.
445A.1648 Truckee Region: Second Creek at Lakeshore Drive.
445A.1652 Truckee Region: First Creek at Dale and Knotty Pine Drives.
445A.1654 Truckee Region: First Creek at Lakeshore Drive.
445A.1656 Truckee Region: Glenbrook Creek.
445A.1658 Truckee Region: Logan House Creek.
445A.1662 Truckee Region: Eagle Rock Creek.
445A.1664 Truckee Region: Edgewood Creek at Palisades Drive.
445A.1666 Truckee Region: Edgewood Creek at Stateline.
445A.1682 Truckee Region: Truckee River at the state line.
445A.1684 Truckee Region: Truckee River at Idlewild.
445A.1686 Truckee Region: Truckee River at East McCarran.
445A.1688 Truckee Region: Truckee River at Lockwood Bridge.
445A.1692 Truckee Region: Truckee River at Derby Dam.
445A.1694 Truckee Region: Truckee River at the Pyramid Lake Paiute Reservation.
445A.1698 Truckee Region: Bronco Creek.
445A.1702 Truckee Region: Gray Creek.
445A.1704 Truckee Region: Hunter Creek at Hunter Lake.
445A.1706 Truckee Region: Hunter Lake.
445A.1708 Truckee Region: Hunter Creek at the Truckee River.
445A.1722 Truckee Region: Washoe Lakes.
445A.1724 Truckee Region: Steamboat Creek at the gaging station.
445A.1726 Truckee Region: Steamboat Creek at the Truckee River.
445A.1728 Truckee Region: Franktown Creek, upper.
445A.1732 Truckee Region: Franktown Creek at Washoe Lake.
445A.1734 Truckee Region: Hobart Reservoir and tributaries.
445A.1736 Truckee Region: Ophir Creek at State Route 429.
445A.1738 Truckee Region: Ophir Creek at Washoe Lake.
445A.1742 Truckee Region: Price Lakes.
445A.1744 Truckee Region: Davis Lake.
445A.1746 Truckee Region: Galena Creek, upper.
445A.1748 Truckee Region: Galena Creek, middle.
445A.1752 Truckee Region: Galena Creek at Steamboat Creek.
445A.1754 Truckee Region: Whites Creek, upper.
445A.1756 Truckee Region: Whites Creek at Steamboat Ditch.
445A.1758 Truckee Region: Whites Creek at Steamboat Creek.
445A.1762 Truckee Region: Lagomarsino Creek.
445A.1764 Truckee Region: Tracy Pond.
445A.1782 Western Region: No designated beneficial uses.
445A.1784 Western Region: No designated standards.
445A.1792 Carson Region: Designated beneficial uses.
445A.1794 Carson Region: Standards for select bodies of water.
445A.1796 Carson Region: Carson River, West Fork at the state line.
445A.1798 Carson Region: Bryant Creek near the state line.
445A.1802 Carson Region: Carson River, East Fork at the state line.
445A.1804 Carson Region: Carson River, East Fork at U.S. Highway 395 south of Gardnerville.
445A.1806 Carson Region: Carson River, East Fork at Muller Lane.
445A.1808 Carson Region: Carson River at Genoa Lane.
445A.1812 Carson Region: Carson River at Cradlebaugh Bridge.
445A.1814 Carson Region: Carson River at the Mexican Ditch Gage.
445A.1816 Carson Region: Carson River near New Empire.
445A.1818 Carson Region: Carson River at Dayton Bridge.
445A.1822 Carson Region: Carson River at Lahontan Reservoir.
445A.1824 Lahontan Reservoir.
445A.1826 Carson Region: Lower Carson River.
445A.1828 Carson Region: Daggett Creek.
445A.1832 Carson Region: Genoa Creek.
445A.1834 Carson Region: Sierra Canyon Creek.
445A.1836 Carson Region: Clear Creek at the gaging station.
445A.1838 Carson Region: Clear Creek at the Carson River.
445A.1842 Carson Region: Kings Canyon.
445A.1844 Carson Region: Ash Canyon.
445A.1846 Carson Region: V-Line Canal.
445A.1848 Carson Region: Rattlesnake Reservoir.
445A.1852 Carson Region: Indian Lakes.
445A.1854 Carson Region: Diagonal Drain.
445A.1856 Carson Region: South Carson Lake.
445A.1858 Carson Region: Harmon Reservoir.
445A.1862 Carson Region: Stillwater Marsh east of Westside Road.
445A.1864 Carson Region: Stillwater Marsh west of Westside Road.
445A.1882 Walker Region: Designated beneficial uses.
445A.1884 Walker Region: Standards for select bodies of water.
445A.1886 Walker Region: Walker River, West Fork at the state line.
445A.1888 Walker Region: Topaz Lake.
445A.1892 Walker Region: Walker River, West Fork near Wellington.
445A.1894 Walker Region: Walker River, West Fork at the East Fork of the Walker River.
445A.1896 Walker Region: Sweetwater Creek.
445A.1898 Walker Region: Walker River, East Fork at the state line.
445A.1902 Walker Region: Walker River, East Fork at Bridge B-1475.
445A.1904 Walker Region: Walker River, East Fork at the West Fork of the Walker River.
445A.1906 Walker Region: Walker River at the Walker River Indian Reservation.
445A.1908 Walker Region: Walker River at Walker Lake.
445A.1914 Walker Region: Walker Lake.
445A.1916 Walker Region: Desert Creek.
445A.1918 Walker Region: Mason Valley Wildlife Management Area - Bass, Crappie and North Ponds and Hinkson Slough.
445A.1922 Walker Region: Mason Valley Wildlife Management Area.

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FINANCIAL ASSISTANCE FOR CONSTRUCTION OF WASTEWATER TREATMENT WORKS AND POLLUTION CONTROL PROJECTS

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ON-SITE SEWAGE DISPOSAL SYSTEMS

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PERMITS TO CONSTRUCT PIERS, BREAKWATERS OR MOORING BUOYS

NAC 445A.044 State Land Registrar to issue permits and take certain actions. (NRS 445A.170) The State Land Registrar shall issue the permits required pursuant to NRS 445A.170 and take any other actions necessary to carry out the provisions of that section.

[Dep't of Conserv. & Nat. Resources, Lake Tahoe Reg. §§ 2.1, 2.2, 2.5 & 3.17, eff. 10-30-79] — (NAC A by R149-13, 10-24-2014) — (Substituted in revision for NAC 445.056)

CERTIFICATION OF LABORATORIES TO ANALYZE SUBSTANCES IN WATER

General Provisions

NAC 445A.0552 Definitions. (NRS 445A.425, 445A.428) As used in NAC 445A.0552 to 445A.067, inclusive, unless the context otherwise requires, the words and terms defined in NAC 445A.0554 to 445A.0606, inclusive, have the meanings ascribed to them in those sections.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0554 "Accuracy" defined. (NRS 445A.425, 445A.428) "Accuracy" has the meaning ascribed to it in Appendix A of chapter 1 of the Standards.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0556 "Analyst" defined. (NRS 445A.425, 445A.428) "Analyst" means a chemist, microbiologist, physicist or technician who:

1. Is qualified to conduct analyses of environmental samples pursuant to the provisions of the manual specified in paragraph (e) of subsection 1 of NAC 445A.0612; and
2. Performs those tests or assists in performing those tests with other qualified employees of a certified laboratory.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0558 "Analyte" defined. (NRS 445A.425, 445A.428) "Analyte" means any compound, element, radical, isotope, contaminant organism, species or other substance for which an environmental sample is tested by a laboratory.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000)

NAC 445A.0562 "Approved method of testing" defined. (NRS 445A.425, 445A.428) "Approved method of testing" means a laboratory procedure specified in subsection 4 of NAC 445A.0622 that is approved by the Environmental Protection Agency or the Division to test an environmental sample.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000)

NAC 445A.0564 "Certified laboratory" defined. (NRS 445A.425, 445A.428) "Certified laboratory" means a laboratory for which a certificate to conduct analyses of water is issued pursuant to the provisions of NAC 445A.0552 to 445A.067, inclusive.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0566 "Commission" defined. (NRS 445A.425, 445A.428) "Commission" means the State Environmental Commission.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000)

NAC 445A.0568 "Director" defined. (NRS 445A.425, 445A.428) "Director" means:

1. A person who is qualified to administer any technical or scientific operation of a certified laboratory and supervise the procedures for the testing and reporting of the results of tests pursuant to the provisions of the Standards; or
2. A chemist, microbiologist or physicist who is qualified to engage in an activity specified in subsection 1 pursuant to the provisions of the manual specified in paragraph (e) of subsection 1 of NAC 445A.0612.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0572 "Division" defined. (NRS 445A.425, 445A.428) "Division" means the Division of Environmental Protection of the State Department of Conservation and Natural Resources.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000)

NAC 445A.0574 "Environmental sample" defined. (NRS 445A.425, 445A.428) "Environmental sample" means a sample of any substance obtained from any natural source or any source that may reasonably be expected to pollute or receive

pollution from the atmosphere, supplies of drinking water, groundwater, surface water, soil, sediment or ecosystem biota of this State, including, without limitation:

1. Ambient air;
2. Emissions of air from point sources;
3. Drinking water;
4. Receiving waters;
5. Soil or sediment;
6. Effluents from industrial, municipal or residential sources;
7. Samples from facilities used to store or handle chemicals;
8. Facilities used to dispose of waste;
9. Runoff of surface water; and
10. Samples obtained from facilities used to handle or apply substances for the control of weeds or insects.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000)

NAC 445A.0576 "Federal Act" defined. (NRS 445A.425, 445A.428) "Federal Act" means the Clean Water Act, 33 U.S.C. §§ 1251 et seq.
(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000)

NAC 445A.0578 "National Environmental Laboratory Accreditation Conference" defined. (NRS 445A.425, 445A.428) "National Environmental Laboratory Accreditation Conference" has the meaning ascribed to it in Appendix A of chapter 1 of the Standards.
(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0582 "National Environmental Laboratory Accreditation Program" defined. (NRS 445A.425, 445A.428) "National Environmental Laboratory Accreditation Program" has the meaning ascribed to it in Appendix A of chapter 1 of the Standards.
(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0584 "Performance-based measurement system" defined. (NRS 445A.425, 445A.428) "Performance-based measurement system" has the meaning ascribed to it in Appendix A of chapter 1 of the Standards.
(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0588 "Precision" defined. (NRS 445A.425, 445A.428) "Precision" has the meaning ascribed to it in Appendix A of chapter 1 of the Standards.
(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0592 "Proficiency test sample" defined. (NRS 445A.425, 445A.428) "Proficiency test sample" has the meaning ascribed to it in Appendix A of chapter 1 of the Standards.
(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0594 "Proficiency testing program" defined. (NRS 445A.425, 445A.428) "Proficiency testing program" has the meaning ascribed to it in Appendix A of chapter 1 of the Standards.
(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0596 "Quality control sample" defined. (NRS 445A.425, 445A.428) "Quality control sample" means an uncontaminated environmental sample that is spiked with a known analyte and provided to a laboratory for analysis to determine the performance of the laboratory in testing for the presence of that analyte by using a specified method of testing for the analyte.
(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000)

NAC 445A.0598 "Quality manual" defined. (NRS 445A.425, 445A.428) "Quality manual" has the meaning ascribed to it in Appendix A of chapter 1 of the Standards.
(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0602 "Sensitivity" defined. (NRS 445A.425, 445A.428) "Sensitivity" has the meaning ascribed to it in Appendix A of chapter 1 of the Standards.
(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0604 "Spike" defined. (NRS 445A.425, 445A.428) "Spike" has the meaning ascribed to it in Appendix A of chapter 1 of the Standards.
(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0606 "Standards" defined. (NRS 445A.425, 445A.428) "Standards" means the Standards of the National Environmental Laboratory Accreditation Conference adopted by reference pursuant to the provisions of NAC 445A.0608.
(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000)

Guidelines and Procedures

NAC 445A.0608 Adoption by reference of *National Environmental Laboratory Accreditation Conference-Constitution, Bylaws and Standards*. (NRS 445A.425, 445A.428) The Commission hereby adopts by reference the *National Environmental Laboratory Accreditation Conference-Constitution, Bylaws and Standards*, EPA 600/R-98/151, in the form most recently published by the Environmental Protection Agency, unless the Commission gives notice pursuant to the provisions of NAC

445A.067 that the most recent publication is not suitable for this State. The publication is available, free of charge, from the Environmental Protection Agency, Office of Research and Development, 401 M Street, S.W., Washington, D.C. 20460, or from the Environmental Protection Agency at the Internet address **http://www.epa.gov/ttn/nelac**.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000)

NAC 445A.0612 Adoption by reference of certain publications related to sample collection procedures, analytical methodologies and requirements for certification. (NRS 445A.425, 445A.428)

1. The Commission hereby adopts by reference the following publications in the forms most recently published, unless the Commission gives notice pursuant to the provisions of NAC 445A.067 that the most recent publication is not suitable for this State. The publications are available, unless otherwise provided in this section, by mail from the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161, or by telephone at (800) 553-6847. The publications may also be obtained from the National Technical Information Service at the Internet address **http://www.ntis.gov/ordering.htm**. The publications are:

(a) *Consensus Method for Determining Groundwaters Under the Direct Influence of Surface Water Using Microscopic Particulate Analysis (MPA)*, EPA/910/9-92/029, Order Number PB93-180818, for the price of $37.

(b) *DBP/ICR Analytical Methods Manual*, EPA/814/B-96/002, Order Number PB96-157516, for the price of $52.

(c) *ICR Microbial Laboratory Manual*, EPA/600/R-95/178, Order Number PB96-157557, for the price of $74.

(d) *ICR Sampling Manual*, April 1996, EPA/814/B-96/001, Order Number PB96-157508, for the price of $52.

(e) *Manual for the Certification of Laboratories Analyzing Drinking Water: Criteria and Procedures, Quality Assurance*, 4th edition, EPA/815/B-97/001, Order Number PB97-171490, for the price of $51.

(f) *Method 100.2: Determination of Asbestos Structures over 10 Micrometers in Length in Drinking Water*, June 1994, EPA/600/R-94/134, Order Number PB94-201902, for the price of $33.50.

(g) *Method 1613: Tetra-Through Octa-Chlorinated Dioxins and Furans by Isotope Dilution HRGC/HRMS, Revision B*, October 1994, EPA/821/B-94/005B, Order Number PB95-104774, for the price of $39.50.

(h) *Method 1664, Revision A: N-Hexane Extractable Material (HEM; Oil and Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-Polar Material) by Extraction and Gravimetry*, February 1999, EPA/821/R-98/002, Order Number PB99-121949, for the price of $33.50. The publication is also available, free of charge, from the Environmental Protection Agency at the Internet address **http://www.epa.gov/ost/methods/1664f051.html**.

(i) *Methods for the Determination of Inorganic Substances in Environmental Samples*, August 1993, EPA/600/R-93/100, Order Number PB94-120821, for the price of $52.

(j) *Methods for the Determination of Metals in Environmental Samples*, EPA/600/4-91/010, Order Number PB91-231498, for the price of $81.

(k) *Methods for the Determination of Metals in Environmental Samples, Supplement I*, EPA/600/R-94/111, Order Number PB95-125472, for the price of $74.

(l) *Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater, Volume I, Revision 1*, August 1993, EPA/821/R-93/010A, Order Number PB94-121654, for the price of $152.50.

(m) *Methods for the Determination of Organic Compounds in Drinking Water, Supplement 1*, EPA/600/4-90/020, Order Number PB91-146027, for the price of $68.50.

(n) *Methods for the Determination of Organic Compounds in Drinking Water, Supplement 2*, EPA/600/R-92/129, Order Number PB92-207703, for the price of $74.

(o) *Methods for the Determination of Organic Compounds in Drinking Water, Supplement 3*, EPA/600/R-95/131, Order Number PB95-261616, for the price of $117.

(p) *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*, 4th edition, EPA/600/4-90/027F, Order Number PB94-114733, for the price of $81.

(q) *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Water to Freshwater Organisms*, 3rd edition, EPA/600/4-91/002, Order Number PB96-141452, for the price of $86.50.

(r) *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Water to Marine and Estuarine Organisms*, 2nd edition, EPA/600/4-91/003, Order Number PB96-141445, for the price of $111.50.

(s) *Technical Notes on Drinking Water Methods*, EPA/600/R-94/173, Order Number PB95-104766, for the price of $37.

(t) *Test Methods for "Escherichia Coli" in Drinking Water: EC Medium with Mug Tube Procedure*, *Nutrient Agar with Mug Membrane Filter Procedure*, EPA/600/4-91/016, Order Number PB91-234591, for the price of $17.50.

(u) *USEPA Contract Laboratory Program: Statement of Work for Organics Analysis: Multi-Media, Multi-Concentration, OLM01.0 (Includes Revisions OLM01.1 through OLM01.8)*, EPA/540/R-94/078, Order Number PB95-963508, for the price of $100. The publication is also available, free of charge, from the Environmental Protection Agency at the Internet address **http://www.epa.gov/superfund/programs/clp/organic.htm**.

(v) *USEPA Contract Laboratory Program: Statement of Work for Inorganics Analysis: Multi-Media, Multi-Concentration, ILM02.1*, EPA/540/R-94/095, Order Number PB95-963514, for the price of $81. The publication is also available, free of charge, from the Environmental Protection Agency at the Internet address **http://www.epa.gov/superfund/programs/clp/inorg.htm**.

2. The Commission hereby adopts by reference the following publications in the forms most recently published, unless the Commission gives notice pursuant to the provisions of NAC 445A.067 that the most recent publication is not suitable for this State. The publications are available by mail from the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161, or by telephone at (800) 553-6847. The publications are:

(a) *Interim Radiochemical Methodology for Drinking Water*, EPA/600/4-75-008, Order Number PB253258, for the price of $37.

(b) *Method 100.1: Analytical Method for Determination of Asbestos Fibers in Water*, September 1983, EPA/600/4-83-043, Order Number PB83-260471, for the price of $78.50.

(c) *Methods for the Chemical Analysis of Water and Wastes*, EPA/600/4-79-020, Order Number PB84-128677, for the price of $117.

(d) *Methods for the Determination of Organic Compounds in Drinking Water*, Revised July 1991, EPA/600/4-88/039, Order Number PB91-231480, for the price of $89.50.

(e) *Prescribed Procedures for Measurement of Radioactivity in Drinking Water*, EPA/600/4-80-032, Order Number PB80-224744, for the price of $47.50.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0614 Adoption by reference of *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846*. (NRS 445A.425, 445A.428) The Commission hereby adopts by reference *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846*, 3rd edition, and *Updates I, II, IIA, IIB and III*, Publication Number 955-001-00000-1, in the form most recently published, unless the Commission gives notice pursuant to the provisions of NAC 445A.067 that the most recent publication is not suitable for this State. The publication is available by mail from the Superintendent of Documents, U.S. Government Printing Office, P.O. Box 979050, St. Louis, Missouri 63197-9000, or by toll-free telephone at (866) 512-1800, for the price of $367. The publication is also available, free of charge, from the Environmental Protection Agency at the Internet address **http://www.epa.gov/epaoswer/hazwaste/test/main.htm**.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0615 Adoption by reference of *Method 1600: Membrane Filter Test Method for Enterococci in Water*. (NRS 445A.425, 445A.428) The Commission hereby adopts by reference *Method 1600: Membrane Filter Test Method for Enterococci in Water*, May 1997, EPA-821-R-97-004, in the form most recently published, unless the Commission gives notice pursuant to the provisions of NAC 445A.067 that the most recent publication is not suitable for this State. The publication is available, free of charge, by mail from the Environmental Protection Agency, National Center for Environmental Publications and Information, P.O. Box 42419, Cincinnati, Ohio 45242-0419, or by telephone at (800) 490-9198.

(Added to NAC by Environmental Comm'n by R061-04, eff. 10-7-2004)

NAC 445A.0616 Adoption of certain ASTM standards and other publications related to calibration and testing laboratories, and examination of water and wastewater. (NRS 445A.425, 445A.428) The following publications are hereby adopted by the Commission in the forms most recently published, unless the Environmental Protection Agency fails to publish notice of its approval of the publication in the Federal Register or the Commission gives notice pursuant to the provisions of NAC 445A.067 that the most recent publication is not suitable for this State:

1. *Annual Book of ASTM Standards*, Section 5, "Petroleum Products, Lubricants, and Fossil Fuels," which is available by mail from ASTM International, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959, by telephone at (610) 832-9585 or at the Internet address **http://www.astm.org**, for the price of $999.
2. *Annual Book of ASTM Standards*, Section 11, "Water and Environmental Technology," which is available by mail from ASTM International, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959, by telephone at (610) 832-9585 or at the Internet address **http://www.astm.org**, for the price of $906.
3. *ISO/IEC Guide 25, General Requirements for the Competence of Calibration and Testing Laboratories*, 1990, which is available by mail from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado 80112-5776, by telephone at (800) 854-7179 or at the Internet address **http://www.global.ihs.com**, for the price of $35.
4. *Standard Methods for the Examination of Water and Wastewater*, Order Number 10079, available by mail from the American Water Works Association, Customer Service, 6666 West Quincy Avenue, Denver, Colorado 80235, by telephone at (800) 926-7337 or at the Internet address **http://www.awwa.org/bookstore/ProductList.cfm**, for the price of $155 for members and $200 for nonmembers.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0618 Interpretation of provisions; resolution of conflicting requirements. (NRS 445A.425, 445A.428)

1. The provisions of NAC 445A.0552 to 445A.067, inclusive, must not be interpreted to circumvent any of those provisions to make them less effective. If more than one interpretation exists for any of those provisions, the more restrictive interpretation applies.
2. If any publication adopted by reference pursuant to the provisions of NAC 445A.0612 to 445A.0616, inclusive, conflicts with any provision of NAC 445A.0552 to 445A.067, inclusive, or with the Standards, the provision set forth in NAC 445A.0552 to 445A.067, inclusive, or the Standards applies.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0622 Scope of certification. (NRS 445A.425, 445A.428)

1. A laboratory may obtain certification pursuant to the provisions of NAC 445A.0552 to 445A.067, inclusive, to perform analyses for the purposes of NRS 445A.300 to 445A.730, inclusive, to detect the presence of hazardous waste or a regulated substance in soil or water.
2. The scientific disciplines for which a laboratory may obtain certification are:
   (a) Chemistry;
   (b) Whole Effluent Toxicity;
   (c) Microbiology; and
   (d) Radiochemistry.
3. A laboratory may obtain certification pursuant to the provisions of NAC 445A.0552 to 445A.067, inclusive, for any program relating to the analysis of water approved by the Environmental Protection Agency pursuant to the Federal Act.
4. Except as otherwise provided in subsection 5, the approved methods of testing for which a laboratory may obtain certification are set forth in:
   (a) Title 40 C.F.R. § 136.3 and Appendices A, C and D to 40 C.F.R. Part 136;
   (b) Appendices A and B to 40 C.F.R. Part 425;
   (c) Title 40 C.F.R. § 434.64;
   (d) Appendices 1 and 2 to 40 C.F.R. Part 435, Subpart A;
   (e) Table 7 to 40 C.F.R. Part 455;
   (f) Title 40 C.F.R. § 465.03(c);

(g) Title 40 C.F.R. § 503.8; and

(h) The publications specified in paragraphs (h) to (r), inclusive, of subsection 1 of NAC 445A.0612, NAC 445A.0615 and subsections 1, 2 and 4 of NAC 445A.0616.

5. A laboratory may obtain certification to use a performance-based measurement system or any other alternative method of testing if the laboratory:

(a) Complies with the provisions of subsection 5 of NAC 445A.0626;

(b) Obtains approval for that method of testing from the Environmental Protection Agency pursuant to the provisions of 40 C.F.R. § 403.7(b)(2)(v), 403.12(b)(5)(vi) or 403.12(g)(4);

(c) Complies with the requirements for application set forth in 40 C.F.R. § 136.4; and

(d) Provides proof and evaluates the performance-based measurement system or other alternative method of testing in accordance with the provisions of:

(1) Appendix E of chapter 5 of the Standards;

(2) "Guidelines Establishing Test Procedures for the Analysis of Pollutants: Flexibility in Existing Test Procedures and Streamlined Approach for Approving New Test Methods," set forth in Volume 62 of the Federal Register at pages 14975 et seq., March 28, 1997; and

(3) "Performance Based Measurement System," set forth in Volume 62 of the Federal Register at pages 52098 et seq., October 6, 1997.

6. To be certified to conduct an analysis of an analyte using an approved method of testing specified in subsection 4, the analyte must be listed by the Division in the approved method of testing pursuant to that subsection.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0624 Categories of analytes for which laboratory may be certified. (NRS 445A.425, 445A.428) For the purposes of charging and collecting fees and conducting performance evaluations pursuant to the provisions of NAC 445A.0552 to 445A.067, inclusive, the Division shall classify each analyte for which a laboratory may be certified into the following categories:

1. Asbestos.
2. Cyanide.
3. Demands.
4. Dioxin.
5. Herbicides.
6. Microbiology.
7. Minerals.
8. Nutrients.
9. Oil and grease.
10. Perchlorate.
11. Pesticides.
12. Phenolics.
13. Polyaromatic hydrocarbons.
14. Polychlorinated biphenyls in oil.
15. Polychlorinated biphenyls in wastewater.
16. Radiochemistry.
17. Residual chlorine.
18. Residue.
19. Semivolatile organic chemistry.
20. Synthetic Organic Compounds Group 1 (includes semivolatile organic chemistry, pesticides, herbicides and polyaromatic hydrocarbons).
21. Toxicity bioassay.
22. Trace metals.
23. Volatile organic chemistry.
24. Any other individual contaminant.
25. Any other individual multicontaminant method.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0626 Requirements for certification. (NRS 445A.425, 445A.428)

1. To be certified to conduct laboratory testing, a laboratory must comply with the requirements set forth in sections 1.8.3, 4.1.1, 5.0, 5.1, 5.4 and 5.5 of the Standards.

2. To be certified in:

(a) Chemistry, a laboratory must comply with the requirements set forth in section 1.8.5 and Appendix D.1 of chapter 5 of the Standards;

(b) Whole effluent toxicity, a laboratory must comply with the requirements set forth in section 1.8.6 of the Standards and Appendix D.2 of chapter 5 of the Standards;

(c) Microbiology, a laboratory must comply with the requirements set forth in section 1.8.7 and Appendix D.3 of chapter 5 of the Standards; or

(d) Radiochemistry, a laboratory must comply with the requirements set forth in section 1.8.8 and Appendix D.4 of chapter 5 of the Standards.

3. To be certified pursuant to the program specified in subsection 3 of NAC 445A.0622, a laboratory must comply with:

(a) The provisions concerning method detection limits, sample containers, holding times and preservation set forth in 40 C.F.R. § 136.3(e) and Appendix B to that part;

(b) The provisions of 40 C.F.R. §§ 403.7(b)(2), 403.12(b)(5) and 403.12(g)(4), if applicable;

(c) The provisions concerning the methods set forth in 40 C.F.R. § 455.50, if the laboratory conducts tests for active ingredients in pesticides; and

(d) The provisions concerning the collection of representative samples and the methods set forth in 40 C.F.R. §§ 501.15(b)(10)(iv) and 503.8, if the laboratory conducts tests of sewage sludge.

4. To be certified for an approved method of testing, a laboratory must comply with the requirements for using that approved method of testing specified in subsection 4 of NAC 445A.0622 and the Standards. If a conflict occurs between a provision specified in that subsection and the Standards concerning an approved method of testing, the Standards apply. If a manufacturer provides instructions for maintaining any equipment used for testing or for ensuring the performance of any test or demonstrating the performance of any system of measurement, the laboratory shall comply with those instructions. If a conflict occurs between a provision of those instructions and a provision specified in subsection 4 of NAC 445A.0622 or the Standards, the provisions specified in that section or the Standards apply.

5. If a laboratory intends to use a performance-based measurement system or any other alternative method of testing, the laboratory shall, before the Division conducts an inspection of the laboratory pursuant to the provisions of NAC 445A.0638, submit to the Division a written statement setting forth the performance-based measurement system or other alternative method of testing it intends to use. The Division may approve the performance-based measurement system or alternative method of testing if, as determined by the Division:

(a) The system or method is equivalent to or exceeds the approved method of testing for accuracy, precision, completeness and comparability relating to determining compliance with the regulatory concentration levels or system conditions;

(b) An approved method of testing is not available for use by the laboratory to determine the presence of an analyte for which the laboratory requests certification pursuant to the provisions of NAC 445A.0552 to 445A.067, inclusive; or

(c) The laboratory obtains approval for the system or method from the Environmental Protection Agency.

6. To be certified to test for a specific analyte using an approved method of testing, a laboratory must comply with the requirements established by the Division for the approved method of testing and the standards for initial and continuing calibrations of test equipment and demonstrations by analysts of precision, accuracy, sensitivity and low system background for each analyte. If a conflict occurs between the requirements established by the Division and the Standards, the Standards apply.

7. As used in this section:

(a) "Holding times" has the meaning ascribed to it in Appendix A of chapter 1 of the Standards.

(b) "Limit of detection" means the smallest amount or concentration of an analyte that can be reliably detected in a given sample by a specific measurement process.

(c) "Low system background" means an analysis of a method blank that does not yield contamination at a concentration that is greater than the method detection limit or the limit of detection, whichever is applicable to the particular analyte.

(d) "Method blank" has the meaning ascribed to it in Appendix A of chapter 1 of the Standards.

(e) "Method detection limit" has the meaning ascribed to it in Appendix A of chapter 1 of the Standards.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0628 Certification by Division or pursuant to National Environmental Laboratory Accreditation Program. (NRS 445A.425, 445A.428)

1. A laboratory may apply for certification by the Division or certification pursuant to the National Environmental Laboratory Accreditation Program.

2. To obtain certification by the Division, a laboratory must comply with the provisions of NAC 445A.0552 to 445A.067, inclusive.

3. A laboratory that is certified by the Division may provide analytical data for an environmental sample originating in this State for each analyte for which the laboratory is certified.

4. To obtain certification pursuant to the National Environmental Laboratory Accreditation Program, a laboratory must:

(a) Comply with the provisions of NAC 445A.0552 to 445A.067, inclusive;

(b) Before obtaining certification pursuant to the Program and every 2 years after obtaining that certification, submit to an assessment of the laboratory conducted at the laboratory under the direction of a person who is approved pursuant to the Program; and

(c) Specify in its application for certification at least one approved method of testing an analyte pursuant to the provisions of subsections 4 and 6 of NAC 445A.0622.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0632 Application for certification. (NRS 445A.425, 445A.428)

1. To apply for certification pursuant to the provisions of NAC 445A.0552 to 445A.067, inclusive, the director of the laboratory for which certification is requested must submit an application to the Division on a form approved by the Division. The application must be accompanied by the fees prescribed in NAC 445A.066 and include the information specified in sections 4.1.7 and 4.1.9 of the Standards.

2. The provisions of this section do not require an application and certificate for each building or other portion of a certified laboratory that:

(a) Is operated by the same management, quality manual and quality assurance officer as the certified laboratory;

(b) Uses only methods for which the laboratory is certified;

(c) Does not issue reports directly but forwards data to the certified laboratory for reporting purposes; and

(d) The Division determines is used to analyze the same environmental samples as the certified laboratory.

➥ As used in this subsection, "quality assurance officer" means the quality assurance officer specified in section 5.4.2 of the Standards.

3. The Division shall not consider an application for certification submitted pursuant to this section to be complete unless:

(a) The laboratory specifies in the application the approved methods of testing in accordance with the provisions of NAC 445A.0622;

(b) The laboratory satisfactorily analyzes proficiency test samples in accordance with the provisions of NAC 445A.0634;

(c) The laboratory adopts a quality manual and submits the manual to the Division pursuant to the provisions of NAC 445A.0636;

(d) Except for a laboratory that complies with the provisions of NAC 445A.0665, the Division conducts an inspection of the laboratory for the approved methods of testing analytes for which the laboratory requests certification pursuant to the provisions of NAC 445A.0638;

(e) If the report of an inspection of the laboratory conducted by the Division includes any deficiency that must be corrected, the laboratory submits to the Division a written plan to correct the deficiency in accordance with the provisions of subsection 7 of NAC 445A.0638;

(f) The director of the laboratory is qualified for that position pursuant to the provisions of subsection 4.1 of chapter 4 of the Standards; and

(g) The applicable fees prescribed in NAC 445A.066 have been paid.

4. An application for certification shall be deemed withdrawn by the applicant if it is not completed pursuant to the provisions of this section within 1 year after the Division receives the application. The Division may extend the period in which an application must be completed pursuant to this subsection if the applicant submits to the Division a written request for an extension setting forth the reasons for the request.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0634 Participation in proficiency testing program. (NRS 445A.425, 445A.428)

1. Each laboratory for which an application for certification is submitted and each certified laboratory must participate in a proficiency testing program. The laboratory must:

(a) Obtain single-blind proficiency test samples from a provider approved by a Proficiency Testing Oversight Body/Proficiency Testing Provider Accreditor;

(b) Analyze the proficiency test samples, if available, for each category of certification and analyte that is included in the program; and

(c) Report the results of the analysis to the provider specified in paragraph (a).

➥ If the laboratory is a certified laboratory and if a test will be conducted for each category of certification and analyte for which the laboratory is certified, the certified laboratory must analyze a proficiency test sample pursuant to the program not less than once every 6 months.

2. Each laboratory specified in subsection 1 shall pay the costs of subscribing to a program specified in that subsection.

3. Each laboratory specified in subsection 1 must satisfactorily analyze each analyte that is included in the program specified in subsection 3 of NAC 445A.0622 on two of the most recent three rounds of testing. Each laboratory shall, before obtaining a proficiency test sample pursuant to paragraph (a) of subsection 1, authorize the provider of the proficiency test sample to submit to the Division the results of any test taken pursuant to the provisions of this section. If the laboratory fails to provide that authorization, the Division may refuse to consider the results of any test taken pursuant to those provisions.

4. The Division shall consider the results of any test taken pursuant to this section to be satisfactory if the results are within the limits of acceptance established by the provider of the proficiency test samples in accordance with the provisions of Appendix C of chapter 2 of the Standards.

5. If the Division determines that the results of a test are satisfactory, the laboratory may be certified to use any approved method of testing for each analyte that is satisfactorily analyzed by the laboratory if, as determined by the Division, data sufficient to validate the use of that method of testing on an annual basis are available. If such data are not available, the Division shall deny or revoke certification for that method of testing. As used in this subsection, "data sufficient to validate" means performance of an initial demonstration of capability as defined in section 7.2.8 of the manual specified in paragraph (e) of subsection 1 of NAC 445A.0612.

6. If a certified laboratory fails:

(a) Two rounds of testing pursuant to subsection 3, the Division shall suspend the certification of that laboratory for each analyte the laboratory failed to analyze during those rounds; or

(b) Three rounds of testing pursuant to that subsection, the Division shall revoke the certification of that laboratory for each analyte the laboratory failed to analyze during those rounds.

7. If the Division suspends the certification of a certified laboratory pursuant to subsection 6 because the laboratory failed two nonconsecutive rounds of testing, the Division shall reinstate the certification of that laboratory for the method of testing an analyte for which the certification was suspended if the certified laboratory satisfactorily analyzes the analyte in a proficiency test sample that is approved by the Division.

8. If the Division suspends the certification of a certified laboratory pursuant to subsection 6 because the laboratory failed to analyze an analyte on two consecutive rounds of testing, the laboratory must satisfactorily analyze the analyte during each of two consecutive rounds of testing conducted after the Division suspends the certification.

9. If the Division revokes the certification of a certified laboratory pursuant to subsection 6, the laboratory must:

(a) Analyze satisfactorily the analyte for which the certification was revoked during each of two consecutive rounds of testing conducted after the Division revoked the certification; and

(b) Reapply for certification and pay the applicable fees pursuant to the provisions of NAC 445A.0552 to 445A.067, inclusive.

➥ If a certified laboratory complies with the provisions of this subsection and is otherwise qualified for certification pursuant to the provisions of NAC 445A.0552 to 445A.067, inclusive, the Division shall reinstate the certification of the laboratory for each method of testing and analyte for which the laboratory was certified.

10. Each certified laboratory must comply with the requirements concerning enrollment, testing, conduct and participation in the program specified in subsection 1 pursuant to the provisions of sections 2.4, 2.5 and 2.7 of the Standards.

11. As used in this section, "Proficiency Testing Oversight Body/Proficiency Testing Provider Accreditor" has the meaning ascribed to it in Appendix A of chapter 1 of the Standards.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0636 Adoption of quality manual by laboratory; contents. (NRS 445A.425, 445A.428)

1. Each laboratory that applies for certification pursuant to NAC 445A.0552 to 445A.067, inclusive, shall adopt a quality manual and comply with the provisions of that manual. The director of the laboratory shall submit the manual to the Division before the Division conducts an inspection of the laboratory.

2. Each quality manual specified in subsection 1 must be adopted in accordance with the provisions of section 5.5 of the Standards and include, without limitation:

(a) A statement setting forth the requirements of the laboratory for sensitivity, precision and accuracy for each method of testing or analyte for which the laboratory requests certification;

(b) The policy of the laboratory concerning any unauthorized use of data or fraudulent activity that occurs at the laboratory; and

(c) The policy of the laboratory concerning the collection of samples for the purpose of determining compliance with the Federal Act. The policy must provide that:

(1) A person taking a sample shall sign and date an attestation indicating the validity and authenticity of the sample; and

(2) Tampering with or intentionally mislabeling the location, date, time or collection of a sample may be considered grounds for the denial of an application for certification or the revocation, suspension or limitation of certification pursuant to the provisions of NAC 445A.0642.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0638 Inspection of laboratory by Division. (NRS 445A.425, 445A.428)

1. Unless a laboratory satisfies the provisions of paragraph (c) of subsection 2 of NAC 445A.0665, the Division shall conduct an inspection of the premises and operation of each certified laboratory or laboratory for which an application for certification is submitted pursuant to the provisions of NAC 445A.0632. An inspection conducted pursuant to this section must be conducted in accordance with the provisions of sections 3.4 to 3.7, inclusive, of the Standards. If a certified laboratory conducts analyses of water, the laboratory must be inspected in accordance with the manual adopted by reference pursuant to the provisions of paragraph (e) of subsection 1 of NAC 445A.0612. A certified laboratory shall analyze a quality control sample for each method of testing an analyte for which it is certified:

(a) At least once every 3 months; and

(b) Each time a new calibration curve is generated.

2. The Division shall conduct an inspection specified in subsection 1:

(a) Not less than once every 2 years, if the laboratory is a certified laboratory; or

(b) If the laboratory submits an application for certification pursuant to the provisions of NAC 445A.0632, not more than 30 days after the Division determines that the laboratory has complied with the provisions of paragraphs (a), (b) and (c) of subsection 3 of that section.

3. The Division may conduct an inspection of a laboratory more than once every 2 years pursuant to this section if:

(a) The Division receives a complaint concerning the quality of the laboratory from a member of the general public or any public agency;

(b) The Division has reasonable cause to believe the laboratory is engaging in fraudulent activity;

(c) The Division identifies deficiencies in the operation of the laboratory after conducting an inspection of the laboratory pursuant to this section;

(d) The laboratory notifies the Division pursuant to NAC 445A.0652 of any changes specified in that section; or

(e) Any circumstance specified in section 3.3 of the Standards occurs.

4. An inspection conducted pursuant to the provisions of this section may include, without limitation:

(a) Requiring the laboratory to conduct an analysis of a proficiency test sample; and

(b) Photocopying, photographing or videotaping:

(1) Any part of the laboratory that is used for analyzing samples of water pursuant to the Federal Act;

(2) Any equipment, activity, environmental sample, records or results of any test relating to the analysis of water pursuant to the Federal Act;

(3) Any data concerning the control of the quality of any analysis conducted by the laboratory pursuant to the Federal Act; or

(4) Any other information required by the Division to ensure compliance with the provisions of NAC 445A.0552 to 445A.067, inclusive.

5. Except as otherwise provided in this subsection, the Division shall announce each inspection conducted pursuant to the provisions of this section. The Division may conduct an unannounced inspection of a laboratory if the Division determines that such an inspection is required to ensure compliance by the laboratory with the provisions of NAC 445A.0552 to 445A.067, inclusive. In determining whether to conduct an unannounced inspection, the Division shall consider:

(a) The laboratory's record of compliance with the provisions of NAC 445A.0552 to 445A.067, inclusive;

(b) The results of any proficiency test taken by the laboratory;

(c) The performance of any analyst or other employee of the laboratory in conducting an analysis of an environmental sample pursuant to the provisions of NAC 445A.0552 to 445A.067, inclusive;

(d) Any complaints concerning the laboratory that the Division has received from members of the general public or any public agency; and

(e) The performance of the laboratory in conducting analyses pursuant to the provisions of NAC 445A.0552 to 445A.067, inclusive.

6. If the Division conducts an inspection of a laboratory pursuant to the provisions of this section, the laboratory shall:

(a) Ensure that any record or other information which relates to compliance by the laboratory with the Federal Act or NAC 445A.0552 to 445A.067, inclusive, and which is required by the Division to conduct the inspection is available for review, including, without limitation:

(1) The quality manual adopted pursuant to the provisions of NAC 445A.0636;

(2) Any information concerning the methods of testing used by the laboratory;

(3) Any data concerning the control of the quality of an analysis conducted by the laboratory; and

(4) Any information concerning any proficiency test taken by the laboratory; and

(b) Allow the Division to:

(1) Examine any records of the laboratory concerning the operation or certification of the laboratory that relate to compliance by the laboratory with the Federal Act or NAC 445A.0552 to 445A.067, inclusive;

(2) Observe the operation, facilities and equipment of the laboratory that relate to compliance with the Federal Act or NAC 445A.0552 to 445A.067, inclusive;

(3) Interview any employee of the laboratory who performs duties relating to compliance by the laboratory with the Federal Act or NAC 445A.0552 to 445A.067, inclusive; and

(4) Engage in any activity which is necessary and appropriate for determining compliance by the laboratory with the Federal Act or NAC 445A.0552 to 445A.067, inclusive, and which is required by the Division.

7. If the Division conducts an inspection of a laboratory, it shall, within 30 days after it conducts the inspection, provide to the laboratory a copy of the report of the inspection. The report must include any deficiency the Division discovers during its inspection of the laboratory. The laboratory shall prepare a plan to correct the deficiency specified in the report. The plan must:

(a) Be submitted to the Division not more than 30 days after the laboratory receives the report from the Division;

(b) Be submitted on a form approved by the Division; and

(c) Include, without limitation:

(1) The signature of the person who prepared the plan; and

(2) The proposed date by which the laboratory will correct the deficiency.

8. If, after reviewing the plan submitted pursuant to subsection 7, the Division determines that the plan is insufficient to correct the deficiency, the Division shall notify the laboratory of that fact in writing. Upon receipt of the written notice, the laboratory shall, not more than 30 days after receiving the notice, submit a revised plan to the Division. If, after reviewing the revised plan, the Division determines that the revised plan is insufficient to correct the deficiency, or if the Division conducts an inspection of the laboratory and determines that the deficiency has not been corrected, the Division shall deny the laboratory's application for certification or revoke its certification.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0642 Grounds for denial of application for certification, or revocation, suspension or limitation of certification. (NRS 445A.425, 445A.428)

1. The Division may deny an application for certification of a laboratory or revoke, suspend or limit the certification of a certified laboratory if the laboratory:

(a) Makes a false statement in:

(1) An application for certification;

(2) A report concerning the analysis of an environmental sample; or

(3) Any other document relating to certification in violation of the provisions of NAC 445A.0552 to 445A.067, inclusive;

(b) Falsifies any results of laboratory testing or misrepresents any information obtained from laboratory testing in violation of the provisions of NAC 445A.0626 or 445A.0654;

(c) Fails to maintain the facilities or equipment of the laboratory in accordance with the quality manual or quality system of the laboratory;

(d) Fails to participate satisfactorily in a proficiency testing program, if the program is available, in violation of the provisions of NAC 445A.0634;

(e) Falsely claims certification for a method of testing or an analyte for which the laboratory is not certified in violation of the provisions of NAC 445A.0654;

(f) Fails to prepare a plan of correction or to correct any deficiency specified by the Division within the period specified in the plan in violation of the provisions of NAC 445A.0638;

(g) Fails to pay any fees or expenses of the Division in violation of the provisions of NAC 445A.066;

(h) Fails to notify the Division of any changes specified in NAC 445A.0652;

(i) Authorizes a person who is not qualified to perform an analysis in violation of the provisions of NAC 445A.0626;

(j) Communicates with or receives a communication concerning the results of a proficiency test sample from a laboratory on or before the date established for submitting the results of that sample to the provider of the sample pursuant to the provisions of NAC 445A.0634;

(k) Knowingly receives a proficiency test sample from a laboratory or provides a proficiency test sample to a laboratory on or before the date specified in paragraph (j);

(l) Prohibits an employee of the Division from conducting an inspection of the laboratory in violation of the provisions of NAC 445A.0638;

(m) Fails to provide to the Division any information required by the Division to determine whether a laboratory is operated in compliance with the provisions of NAC 445A.0552 to 445A.067, inclusive;

(n) Misrepresents any material fact to obtain or maintain certification pursuant to the provisions of NAC 445A.0552 to 445A.067, inclusive;

(o) Engages in any activity that is a ground for the denial of an application for certification or for the suspension or revocation of the certification of a laboratory set forth in section 4.1.4(d) or 4.4 of the Standards; or

(p) Knowingly employs, directly or indirectly, a person who has violated a provision of NRS 445A.300 to 445A.730, inclusive, or NAC 445A.0552 to 445A.067, inclusive.

2. In determining whether to deny an application for certification or to revoke, suspend or limit the certification of a laboratory pursuant to this section, the Division shall consider:

(a) The gravity of the violation;

(b) The harm to the health and safety of the members of the general public;

(c) The intent of the person who committed the violation;

(d) The extent of the violation; and

(e) Any proposed correction of the violation.

3. As used in this section, "quality system" has the meaning ascribed to it in Appendix A of chapter 1 of the Standards.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0644 Reapplication after denial of application or revocation of certification. (NRS 445A.425, 445A.428) If the Division denies an application for certification submitted by a laboratory or revokes the certification of a

certified laboratory, the laboratory may, after the period specified in section 4.4 of the Standards expires, reapply for certification in the manner prescribed in NAC 445A.0632.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000)

NAC 445A.0646 Renewal of certification. (NRS 445A.425, 445A.428)

1. The Division may renew the certificate of a certified laboratory if:

(a) The laboratory pays the applicable fee to renew the certificate;

(b) The laboratory submits a statement on a form approved by the Division indicating that it is in compliance with the provisions of NAC 445A.0552 to 445A.067, inclusive, concerning each category of testing, method of testing and analyte for which it is certified;

(c) The laboratory submits a report to the Division indicating that it has received satisfactory proficiency test results for each category of testing and analyte for which it is certified; and

(d) The Division determines that the laboratory is in compliance with the provisions of NAC 445A.0552 to 445A.067, inclusive.

2. A certificate issued to a laboratory pursuant to the provisions of NAC 445A.0552 to 445A.067, inclusive, expires on July 31 of each year. If the certificate of a certified laboratory expires, the laboratory may apply for certification in the manner prescribed in NAC 445A.0632.

3. The Division shall make available to each certified laboratory a notice for the renewal of the certificate and a form to provide a statement of compliance specified in paragraph (b) of subsection 1.

4. Each certified laboratory shall maintain any record specified in section 4.3.3 of the Standards in accordance with the provisions of that section.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0648 Display of certificate; conditions for surrender of certificate; issuance of document. (NRS 445A.425, 445A.428)

1. The director of the laboratory shall display the certificate issued by the Division in a conspicuous place in the laboratory to which the members of the general public have access.

2. The certificate is the property of the Division and must be surrendered to the Division if:

(a) The Division revokes the certificate;

(b) The laboratory for which the certificate is issued ceases to conduct analyses of water for which a certificate is required; or

(c) The Division ceases to be an accrediting authority approved by the Environmental Protection Agency. As used in this paragraph, "accrediting authority" has the meaning ascribed to it in Appendix A of chapter 1 of the Standards.

3. In addition to issuing a certificate to each certified laboratory, the Division shall provide to each certified laboratory a document which indicates each category of testing an analyte for which the laboratory is certified. If, after the Division provides the document to the laboratory, the Division certifies the laboratory for an additional analyte or the Division revokes, suspends or limits the certification of the laboratory for a category of testing or analyte, the Division shall revise the document to include the additional analyte for which the laboratory is certified or the category of testing or analyte that is revoked, suspended or limited by the Division.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

NAC 445A.0652 Notification of Division of certain changes concerning certified laboratory. (NRS 445A.425, 445A.428) If, as determined by the Division, a change concerning a certified laboratory occurs that substantially affects the ability of the laboratory to perform any analysis for which the laboratory is certified, the director of the laboratory shall, not more than 30 days after the change occurs, notify the Division of the change in writing. For the purposes of this section, a change includes, without limitation, a change in the name, ownership, location or personnel of a laboratory or any other change specified in sections 4.1.8 and 4.3.2 of the Standards.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000)

NAC 445A.0654 Contractual agreements, records and reports. (NRS 445A.425, 445A.428)

1. A certified laboratory shall ensure that each analysis it performs complies with the provisions of Appendix D of chapter 5 of the Standards.

2. A certified laboratory shall maintain any document or other information required by the provisions of section 4.3.3 of the Standards in accordance with the provisions of that section.

3. If a certified laboratory prepares a report of any test conducted pursuant to the provisions of this section, the report must be prepared in accordance with the provisions of section 5.13 of the Standards.

4. If a certified laboratory is not certified to conduct a test in a category of testing or to use a method of testing or test for an analyte pursuant to the provisions of NAC 445A.0552 to 445A.067, inclusive, the director of the laboratory may contract with a certified laboratory to perform that test if:

(a) Before entering into the contract, the director notifies in writing the person for whom the test will be conducted of his or her intent to enter into the contract; and

(b) The laboratory complies with the requirements specified in section 5.14 of the Standards.

5. If a certified laboratory contracts with another certified laboratory pursuant to the provisions of this section, the director of the certified laboratory shall ensure that the certified laboratory that will conduct the test is certified pursuant to the provisions of NAC 445A.0552 to 445A.067, inclusive. If the certified laboratory that offered the contract maintains any record of the contract or of any test conducted pursuant to the contract, it shall include in that record:

(a) Any report submitted by the certified laboratory that conducted the test concerning the results of the test; and

(b) The certification number of the certified laboratory that conducted the test.

6. If the certified laboratory that offered the contract prepares a report concerning the results of any test conducted pursuant to the contract, it shall specify in the report that the results of that test were obtained by contract pursuant to the provisions of this section.

(Added to NAC by Environmental Comm'n by R070-99, eff. 5-26-2000; A by R061-04, 10-7-2004)

Miscellaneous Provisions

NAC 445A.066 Fees for certification. (NRS 445A.425, 445A.428)

1. Except as otherwise provided in subsection 2, a laboratory must submit an annual fee of $500 with each application for certification.

2. A laboratory which only performs analysis for microbiology is not required to pay the fee provided pursuant to subsection 1.

3. In addition to the fee required pursuant to the provisions of subsections 1 and 4, a laboratory must submit an annual certification fee for each category of contaminant for which certification is requested. The categories of contaminants and annual fees are:

CATEGORY OF CONTAMINANT	ANNUAL FEE
Asbestos	$400
Cyanide	250
Demands	350
Dioxin	545
Herbicides	545
Microbiology	400
Minerals	400
Nutrients	250
Oil and grease	250
Perchlorate	250
Pesticides	545
Phenolics	250
Polyaromatic hydrocarbons	545
Polychlorinated biphenyls in oil	545
Polychlorinated biphenyls in wastewater	545
Radiochemistry	545
Residual chlorine	125
Residue	350
Semivolatile organic chemistry	545
Synthetic Organic Compounds Group 1 (includes semivolatile organic chemistry, pesticides, herbicides and polyaromatic hydrocarbons)	1,500
Toxicity bioassay	400
Trace metals	545
Volatile organic chemistry	545
Any other individual contaminant	200
Any other individual multicontaminant method	400

4. In addition to the fees required pursuant to the provisions of subsections 1 and 3, if a laboratory applies for certification for a contaminant in more than two of the approved methods of testing for that contaminant, the laboratory must submit a fee of $200 for each additional approved method of testing.

5. If a laboratory applies for certification for additional contaminants after the laboratory has been issued a certification for an annual period of certification, the fee for certification for each additional contaminant is the fee provided for that contaminant pursuant to the provisions of subsection 3. The fee must be prorated pursuant to subsection 6 if the provisions of that subsection otherwise apply. If the Division conducts an evaluation for certification at the laboratory, the laboratory must pay, at the rate provided for state officers and employees generally, the actual travel and per diem expenses of the Division. If the laboratory is located outside of this State, the expenses must be paid pursuant to the provisions of subsection 7.

6. The fees are effective for 12 months beginning on August 1 of each year. If an application for certification to test for an analyte is submitted during that period, the fees for that certification must be prorated using the following formula:

Fee X .083 X the number of months remaining in the period of certification.

For the purpose of prorating fees, an application for certification to test for an analyte shall be deemed to have been submitted at the beginning of a month regardless of the date of the application. The prorated fee must be rounded to the next highest dollar. The fee provided pursuant to the provisions of subsection 1 must not be prorated.

7. If an evaluation for certification of a laboratory that is located outside of this State is conducted, the laboratory must pay the actual travel and per diem expenses of the employee of the Division who conducts the evaluation.

8. The fee for certification to test for a specific analyte must be paid before a certificate for that analyte may be issued.

9. Any fee paid pursuant to the provisions of this section is nonrefundable.

(Added to NAC by Environmental Comm'n, eff. 9-13-91; A 10-3-96; R070-99, 5-26-2000; R061-04, 10-7-2004)

NAC 445A.0665 Acceptance of analyses conducted by laboratory located outside State. (NRS 445A.425, 445A.428) The Division shall accept data relating to the analysis of contaminants regulated pursuant to NRS 445A.300 to 445A.730, inclusive, that are submitted from a laboratory located outside of this State if:

1. The laboratory has otherwise complied with the requirements set forth in NAC 445A.0552 to 445A.0665, inclusive;
2. The:

(a) Laboratory is certified by the United States Environmental Protection Agency;

(b) Division determines that the state where the laboratory is located:

(1) Has adopted a program for certifying laboratories for the analysis of water that is equivalent to the program for certifying those laboratories adopted by the Division; and

(2) Accepts the results of evaluations conducted pursuant to the program adopted by the Division; or

(c) Laboratory:

(1) Is located in a state that has established an agreement with this State concerning certification of laboratories by reciprocity; or

(2) Is certified pursuant to the National Environmental Laboratory Accreditation Program; and

3. The laboratory submits to the Division a copy of an acceptable report relating to the most recent evaluation conducted at the laboratory by:

(a) The state where the laboratory is certified;

(b) An independent organization that is approved by the Division to certify laboratories for the analysis of water; or

(c) The United States Environmental Protection Agency.

➥ The evaluation to which the report relates must be conducted within the 2 years immediately preceding the date of the application of the laboratory for certification.

(Added to NAC by Environmental Comm'n, eff. 9-13-91; A 10-3-96; 10-29-97; A by R070-99, 5-26-2000; R061-04, 10-7-2004)

NAC 445A.067 Review by Commission of publications adopted by reference. (NRS 445A.425, 445A.428) If any publication adopted by reference pursuant to the provisions of NAC 445A.0552 to 445A.067, inclusive, is revised, the Commission may review the revision to determine its suitability for this State. If the Commission determines that the revision is not suitable for this State, it will hold a public hearing to review its determination and give notice of that hearing within 6 months after the date of the publication of the revision. If, after the hearing, the Commission does not revise its determination, the Commission will give notice that the revision is not suitable for this State within 30 days after the hearing. If the Commission does not give such notice, the revision becomes part of the publication adopted by reference pursuant to the provisions of NAC 445A.0552 to 445A.067, inclusive.

(Added to NAC by Environmental Comm'n, eff. 10-3-96; A by R070-99, 5-26-2000; R061-04, 10-7-2004)

WATER POLLUTION CONTROL

General Provisions

NAC 445A.070 Definitions. (NRS 445A.425, 445A.520) As used in NAC 445A.070 to 445A.348, inclusive, unless the context otherwise requires, the words and terms defined in NAC 445A.071 to 445A.116, inclusive, have the meanings ascribed to them in those sections.

[Environmental Comm'n, Water Pollution Control Reg. part Art. 1, eff. 5-2-78; A 1-25-79] — (NAC A 7-22-87; 9-20-90; 9-13-91; 5-27-92; 10-3-96; R017-99, 9-27-99; R129-01, 1-18-2002; R099-02, 12-17-2002; R083-08, 8-26-2008)

NAC 445A.071 "A.G.M." defined. (NRS 445A.425) "A.G.M." means the annual geometric mean.

(Added to NAC by Environmental Comm'n, eff. 12-3-84) — (Substituted in revision for NAC 445.0705)

NAC 445A.072 "Act" defined. (NRS 445A.425) "Act" means the Federal Water Pollution Control Act Amendments of 1972, 33 U.S.C. §§ 1251 et seq.

[Environmental Comm'n, Water Pollution Control Reg. § 1.1, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.071)

NAC 445A.073 "Acute toxicity value" defined. (NRS 445A.425) "Acute toxicity value" means the concentration that is lethal to 50 percent of the test organisms within 96 hours.

[Environmental Comm'n, Water Pollution Control Reg. Art. 1 § a, eff. 7-2-80] — (Substituted in revision for NAC 445.072)

NAC 445A.074 "Administrator" defined. (NRS 445A.425) "Administrator" means the Administrator of the United States Environmental Protection Agency.

[Environmental Comm'n, Water Pollution Control Reg. § 1.2, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.073)

NAC 445A.0745 "Annual mean flow" defined. (NRS 445A.425) "Annual mean flow" means a value calculated by:

1. Determining the rate of flow of water at or near the location at which a sample of water is taken not more than once each day during a 365-day period;
2. Summing the amounts determined pursuant to subsection 1 during the 365-day period; and
3. Dividing the sum determined pursuant to subsection 2 by the total number of days the rate of flow of water is measured pursuant to subsection 1 during the 365-day period.

(Added to NAC by Environmental Comm'n by R017-99, eff. 9-27-99)

NAC 445A.075 "Aquatic animal production facility" defined. (NRS 445A.425) "Aquatic animal production facility" means a hatchery, fish farm or other facility which contains, grows or holds:

1. Fish or other aquatic animals in ponds, raceways or other similar structures for purposes of production and from which there is a discharge on any 30 days or more per year, but does not include:
(a) Closed ponds which discharge only during periods of excess runoff; or
(b) Facilities which produce less than 20,000 pounds of aquatic animals per year.
2. Any species of fish or other animal life (other than carp (*Cyprinum carpio*), goldfish (*Carrasius auratus*) or brown trout (*Salmo trutta*)) nonnative to the United States as defined in "Special Publication No. 6" of the American Fisheries Society entitled "A List of Common and Scientific Names of Fishes from the United States and Canada" and from which there is a discharge at any time.

[Environmental Comm'n, Water Pollution Control Reg. §§ 1.3-1.3.1.2, eff. 5-2-78; § 1.3.2, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.074)

NAC 445A.077 "Commission" defined. (NRS 445A.425) "Commission" means the State Environmental Commission.
[Environmental Comm'n, Water Pollution Control Reg. § 1.5, eff. 5-2-78; A and renumbered as § 1.4, 1-25-79] — (Substituted in revision for NAC 445.075)

NAC 445A.078 "Complete treatment" defined. (NRS 445A.425) "Complete treatment" means that degree of treatment which is required to continuously produce water which meets the standards for drinking water of the State Board of Health.
[Environmental Comm'n, Water Pollution Control Reg. § 1.6, eff. 5-2-78; A and renumbered as § 1.5, 1-25-79] — (Substituted in revision for NAC 445.076)

NAC 445A.079 "Conventional treatment" defined. (NRS 445A.425) "Conventional treatment" means processes such as coagulation, sedimentation, filtration and disinfection. The term does not include desalting techniques.
[Environmental Comm'n, Water Pollution Control Reg. § 1.7, eff. 5-2-78; A and renumbered as § 1.6, 1-25-79] — (Substituted in revision for NAC 445.077)

NAC 445A.080 "Department" defined. (NRS 445A.425) "Department" means the State Department of Conservation and Natural Resources.
[Environmental Comm'n, Water Pollution Control Reg. § 1.8, eff. 5-2-78; A and renumbered as § 1.7, 1-25-79] — (Substituted in revision for NAC 445.078)

NAC 445A.081 "Director" defined. (NRS 445A.425) "Director" means the Director of the Department or the Director's designee.
[Environmental Comm'n, Water Pollution Control Reg. § 1.9, eff. 5-2-78; A and renumbered as § 1.8, 1-25-79] — (Substituted in revision for NAC 445.079)

NAC 445A.082 "Discharge" defined. (NRS 445A.425) "Discharge" has the meaning ascribed to it in NRS 445A.345.
[Environmental Comm'n, Water Pollution Control Reg. § 1.10, eff. 5-2-78; A and renumbered as § 1.9, 1-25-79] — (Substituted in revision for NAC 445.080)

NAC 445A.083 "Disinfection" defined. (NRS 445A.425) "Disinfection" means the destruction or inactivation of disease-producing organisms.
[Environmental Comm'n, Water Pollution Control Reg. § 1.11 eff. 5-2-78; A and renumbered as § 1.10, 1-25-79] — (Substituted in revision for NAC 445.081)

NAC 445A.084 "Division" defined. (NRS 445A.425) "Division" has the meaning ascribed to it in NRS 445A.350.
[Environmental Comm'n, Water Pollution Control Reg. § 1.11, eff. 1-25-79] — (Substituted in revision for NAC 445.082)

NAC 445A.0845 "E. coli" defined. (NRS 445A.425) "E. coli" means *Escherichia coli*.
(Added to NAC by Environmental Comm'n by R099-02, eff. 12-17-2002)

NAC 445A.085 "Effluent limitation" defined. (NRS 445A.425) "Effluent limitation" has the meaning ascribed to it in NRS 445A.355.
[Environmental Comm'n, Water Pollution Control Reg. § 1.12, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.083)

NAC 445A.086 "Filtration" defined. (NRS 445A.425) "Filtration" means a physical-chemical process for removing suspended and colloidal impurities from water by passage through a porous medium by the following mechanisms: Absorption, flocculation, sedimentation and straining.
[Environmental Comm'n, Water Pollution Control Reg. § 1.13, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.084)

NAC 445A.0865 "Flow weighted annual average concentration" defined. (NRS 445A.425) "Flow weighted annual average concentration" means a value calculated by:
1. Multiplying, not more than once each day during a 365-day period, the concentration of pollutants present in a sample of water by the rate of flow of the water at the location and time at which the sample is taken;
2. Summing the amounts determined pursuant to subsection 1 during a 365-day period;
3. Dividing the sum determined pursuant to subsection 2 by the total number of days the concentration of pollutants is measured pursuant to subsection 1 during a 365-day period; and
4. Dividing the amount determined pursuant to subsection 3 by the annual mean flow.
(Added to NAC by Environmental Comm'n by R017-99, eff. 9-27-99)

NAC 445A.087 "Individual sewage disposal system" defined. (NRS 445A.425) "Individual sewage disposal system" means a system of sewage treatment tanks or tank and effluent absorption or percolation facilities serving a single dwelling or structure.

[Environmental Comm'n, Water Pollution Control Reg. § 1.14, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.085)

NAC 445A.088 "Industrial user" defined. (NRS 445A.425) "Industrial user" means any industry identified in the *Standard Industrial Classification Manual*, published by the United States Bureau of the Budget, under the category "Division D-Manufacturing" and the other classes of significant waste producers as, by regulation, the Director or the Commission deems appropriate.

[Environmental Comm'n, Water Pollution Control Reg. § 1.42, eff. 10-26-79] — (Substituted in revision for NAC 445.086)

NAC 445A.089 "Industrial wastes" defined. (NRS 445A.425) "Industrial wastes" means wastes resulting from any process of industry, manufacturing, trade or business, or from the development or recovery of any natural resources.

[Environmental Comm'n, Water Pollution Control Reg. § 1.15, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.087)

NAC 445A.090 "Interstate agency" defined. (NRS 445A.425) "Interstate agency" has the meaning ascribed to it in NRS 445A.370.

[Environmental Comm'n, Water Pollution Control Reg. §§ 1.16-1.16.2, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.088)

NAC 445A.091 "Law" defined. (NRS 445A.425) "Law" means NRS 445A.300 to 445A.730, inclusive.

[Environmental Comm'n, Water Pollution Control Reg. § 1.17, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.089)

NAC 445A.092 "Minor discharge" defined. (NRS 445A.425) "Minor discharge" means any discharge which:

1. Has a total volume of less than 50,000 gallons on every day of the year;
2. Does not affect the waters of any other state; and
3. Is not identified by the Director, the Regional Administrator or the Administrator as a discharge which is not a minor discharge.

➥ If there is more than one discharge from a facility and the sum of the volumes of all discharges from the facility exceeds 50,000 gallons on any day of the year, then no discharge from the facility is a minor discharge as defined in this section.

[Environmental Comm'n, Water Pollution Control Reg. § 1.18, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.090)

NAC 445A.093 "Municipality" defined. (NRS 445A.425) "Municipality" has the meaning ascribed to it in NRS 445A.375.

[Environmental Comm'n, Water Pollution Control Reg. §§ 1.19-1.19.2, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.091)

NAC 445A.094 "NPDES" defined. (NRS 445A.425) "NPDES" means the National Pollutant Discharge Elimination System, which is the national system for the issuance of permits under section 402 of the Act.

[Environmental Comm'n, Water Pollution Control Reg. § 1.20, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.092)

NAC 445A.095 "Natural waters" defined. (NRS 445A.425) "Natural waters" means waters which have not been degraded or enhanced by actions attributable to humans.

[Environmental Comm'n, Water Pollution Control Reg. § 1.21, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.093)

NAC 445A.096 "New source" defined. (NRS 445A.425) "New source" means any source, the construction of which is commenced after the publication of proposed regulations prescribing a standard of performance under section 306 of the Act which will be applicable to the source if the standard is thereafter promulgated in accordance with section 306 of the Act.

[Environmental Comm'n, Water Pollution Control Reg. § 1.22, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.094)

NAC 445A.097 "Origin" defined. (NRS 445A.425) "Origin" means all waters tributary to those waters being classified and are considered a part of the waters being classified unless otherwise designated.

[Environmental Comm'n, Water Pollution Control Reg. § 1.23, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.095)

NAC 445A.098 "Permit" defined. (NRS 445A.425) "Permit" means a written authorization to discharge pollutants into the waters of the State in accordance with the Act, the law and the regulations promulgated thereunder.

[Environmental Comm'n, Water Pollution Control Reg. § 1.24, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.096)

NAC 445A.099 "Person" defined. (NRS 445A.425) "Person" has the meaning ascribed to it in NRS 445A.390.

[Environmental Comm'n, Water Pollution Control Reg. §§ 1.25-1.25.2, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.097)

NAC 445A.100 "Point source" defined. (NRS 445A.425)

1. "Point source" has the meaning ascribed to it in NRS 445A.395.

2. The term includes wheeled, track, stationary or floating equipment used for earth-moving activity from which pollutants are or may be discharged.

[Environmental Comm'n, Water Pollution Control Reg. § 1.26, eff. 5-2-78; A 1-25-79] — (NAC A by R096-01, 1-18-2002)

NAC 445A.101 "Pollutant" defined. (NRS 445A.425) "Pollutant" has the meaning ascribed to it in NRS 445A.400.

[Environmental Comm'n, Water Pollution Control Reg. §§ 1.27-1.27.2, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.099)

NAC 445A.102 "Pollution" defined. (NRS 445A.425) "Pollution" has the meaning ascribed to it in NRS 445A.405.

[Environmental Comm'n, Water Pollution Control Reg. § 1.28, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.100)

NAC 445A.103 "Pretreatment program" defined. (NRS 445A.425) "Pretreatment program" means the general pretreatment regulations for existing and new sources of pollution as set forth in 40 C.F.R. §§ 403 et seq.

[Environmental Comm'n, Water Pollution Control Reg. § 1.43, eff. 10-26-79] — (Substituted in revision for NAC 445.101)

NAC 445A.104 "Pretreatment standards" defined. (NRS 445A.425) "Pretreatment standards" means the standards promulgated under section 307(b) of the Act.

[Environmental Comm'n, Water Pollution Control Reg. § 1.29, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.102)

NAC 445A.106 "Regional Administrator" defined. (NRS 445A.425) "Regional Administrator" means the Regional Administrator of the United States Environmental Protection Agency, Region IX.

[Environmental Comm'n, Water Pollution Control Reg. § 1.31, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.104)

NAC 445A.107 "Sewage" defined. (NRS 445A.425)

1. "Sewage" means the water-carried human or animal waste from residences, buildings, industrial establishments, feedlots or other places, together with such groundwater infiltration and surface water as may be present.

2. The term includes the mixture of sewage with wastes or industrial wastes.

[Environmental Comm'n, Water Pollution Control Reg. § 1.32, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.105)

NAC 445A.108 "Source" defined. (NRS 445A.425) "Source" means any building, structure, facility or installation from which there is or may be the discharge of pollutants.

[Environmental Comm'n, Water Pollution Control Reg. § 1.33, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.106)

NAC 445A.109 "Standard of performance" defined. (NRS 445A.425) "Standard of performance" means a standard for the control of the discharge of pollutants which reflects the greatest degree of effluent reduction which the Administrator determines to be achievable through application of the best available demonstrated control technology, processes, operating methods or other alternatives, including, where practicable, a standard permitting no discharge of pollutants.

[Environmental Comm'n, Water Pollution Control Reg. § 1.34, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.107)

NAC 445A.110 "Toxic material" defined. (NRS 445A.425)

1. "Toxic material" means any pollutant or combination of pollutants which will, on the basis of information available to the Administrator, cause an organism or its offspring to die or to suffer any:

(a) Disease;
(b) Behavioral abnormality;
(c) Cancer;
(d) Genetic mutation;
(e) Physiological malfunction, including a malfunction in reproduction; or
(f) Physical deformation,

➥ if that pollutant or combination of pollutants is discharged and exposed to or assimilated by the organism, whether directly from the environment or indirectly through food chains.

2. The term includes any disease-causing agent having the characteristics described in subsection 1.

[Environmental Comm'n, Water Pollution Control Reg. § 1.35, eff. 5-2-78; A 1-25-79] — (NAC A 9-26-90) — (Substituted in revision for NAC 445.108)

NAC 445A.111 "Treatment or waste treatment" defined. (NRS 445A.425) "Treatment or waste treatment" means the stabilization or alteration of the quality of wastewaters by physical, biological or chemical means or a combination thereof, for the purpose of reducing or eliminating adverse effects on water quality, such that the tendency of the wastes to cause any degradation in water quality or other environmental conditions is reduced or eliminated.

[Environmental Comm'n, Water Pollution Control Reg. § 1.36, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.109)

NAC 445A.112 "Treatment works" defined. (NRS 445A.425) "Treatment works" has the meaning ascribed to it in NRS 445A.410.

[Environmental Comm'n, Water Pollution Control Reg. §§ 1.37-1.37.5, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.110)

NAC 445A.113 "Water quality standards or limitations" defined. (NRS 445A.425) "Water quality standards or limitations" means any applicable state or federal water quality standards or limitations, including but not limited to water quality criteria, water use classifications, implementation plans and compliance schedules, effluent standards and limitations, prohibitions, standards of performance and pretreatment standards.

[Environmental Comm'n, Water Pollution Control Reg. § 1.38, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.111)

NAC 445A.114 "Waters of the State" defined. (NRS 445A.425) "Waters of the State" has the meaning ascribed to it in NRS 445A.415.

[Environmental Comm'n, Water Pollution Control Reg. § 1.39, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.112)

NAC 445A.115 "Zone of mixing" defined. (NRS 445A.425) "Zone of mixing" means the volume of water near the point of waste discharge within which the waste immediately mixes with the receiving water due to the momentum of the waste discharge and the difference in density between the waste and the receiving water.

[Environmental Comm'n, Water Pollution Control Reg. § 1.40, eff. 5-2-78; A 1-25-79] — (Substituted in revision for NAC 445.113)

NAC 445A.116 "Zone of passage" defined. (NRS 445A.425) "Zone of passage" means a continuous water route of the volume, cross-sectional area and quality necessary to allow passage of aquatic life without any significant effect produced on the aquatic life.

[Environmental Comm'n, Water Pollution Control Reg. § 1.41, eff. 5-2-78; A 1-25-79; renumbered as Art. 1 § b, 7-2-80] — (Substituted in revision for NAC 445.114)

NAC 445A.117 Severability. (NRS 445A.425, 445A.520) If any of the provisions of NAC 445A.070 to 445A.340, inclusive, or any application thereof to any person, thing or circumstance is held invalid, it is intended that the invalidity not affect the remaining provisions or their application that can be given effect without the invalid provision or application.

[Environmental Comm'n, Water Pollution Control Reg. Art. 5, eff. 5-2-78] — (NAC A 10-3-96; R083-08, 8-26-2008)

Standards for Water Quality

NAC 445A.11704 Definitions. (NRS 445A.425, 445A.520) As used in NAC 445A.11704 to 445A.2234, inclusive, unless the context otherwise requires, the terms and symbols defined in NAC 445A.11708 to 445A.1178, inclusive, have the meanings ascribed to them in those sections.

(Added to NAC by Environmental Comm'n, eff. 6-29-84; A 11-9-95; R226-03, 4-23-2004; R160-06 & R083-08, 8-26-2008) — (Substituted in revision for NAC 445A.128)

NAC 445A.11708 "A-Avg." or "A.A." defined. (NRS 445A.425, 445A.520) "A-Avg." or "A.A." means annual average.

(Added to NAC by Environmental Comm'n, eff. 6-29-84) — (Substituted in revision for NAC 445A.129)

NAC 445A.11712 "Δ" defined. (NRS 445A.425, 445A.520) "Δ" means the difference between two points.

(Added to NAC by Environmental Comm'n, eff. 6-29-84) — (Substituted in revision for NAC 445A.130)

NAC 445A.11716 "Δ pH" defined. (NRS 445A.425, 445A.520) "Δ pH" means the change in pH.

(Added to NAC by Environmental Comm'n, eff. 6-29-84) — (Substituted in revision for NAC 445A.131)

NAC 445A.1172 "Δ T" defined. (NRS 445A.425, 445A.520) "Δ T" means the change in temperature.

(Added to NAC by Environmental Comm'n, eff. 6-29-84) — (Substituted in revision for NAC 445A.132)

NAC 445A.11724 "Geometric mean" defined. (NRS 445A.425, 445A.520) "Geometric mean" means the mean of n positive numbers obtained by taking the nth root of the product of the numbers.

(Added to NAC by Environmental Comm'n, eff. 6-29-84) — (Substituted in revision for NAC 445A.133)

NAC 445A.11736 "M.D.B. & M." defined. (NRS 445A.425, 445A.520) "M.D.B. & M." means Mount Diablo Base and Meridian.

(Added to NAC by Environmental Comm'n by R226-03, eff. 4-23-2004)

NAC 445A.1174 "mg/l" defined. (NRS 445A.425, 445A.520) "mg/l" means the concentration of a substance, in milligrams, present in one liter of the water.

(Added to NAC by Environmental Comm'n, eff. 6-29-84) — (Substituted in revision for NAC 445A.134)

NAC 445A.11744 "No./100ml" defined. (NRS 445A.425, 445A.520) "No./100ml" means the number of organisms present in 100 milliliters of the water.

(Added to NAC by Environmental Comm'n, eff. 6-29-84) — (Substituted in revision for NAC 445A.135)

NAC 445A.11748 "NTU" defined. (NRS 445A.425, 445A.520) "NTU" means nephelometric turbidity units, a measure of turbidity.
(Added to NAC by Environmental Comm'n, eff. 6-29-84) — (Substituted in revision for NAC 445A.136)

NAC 445A.11752 "PCU" defined. (NRS 445A.425, 445A.520) "PCU" means platinum cobalt unit, a measure of color.
(Added to NAC by Environmental Comm'n, eff. 6-29-84) — (Substituted in revision for NAC 445A.137)

NAC 445A.1176 "SAR" defined. (NRS 445A.425, 445A.520) "SAR" means sodium adsorption ratio.
(Added to NAC by Environmental Comm'n, eff. 6-29-84) — (Substituted in revision for NAC 445A.139)

NAC 445A.11764 "SU" defined. (NRS 445A.425, 445A.520) "SU" means standard pH units.
(Added to NAC by Environmental Comm'n by R226-03, eff. 4-23-2004)

NAC 445A.11768 "S.V." defined. (NRS 445A.425, 445A.520) "S.V." means single value.
(Added to NAC by Environmental Comm'n, eff. 6-29-84) — (Substituted in revision for NAC 445A.140)

NAC 445A.11772 "Trout water" defined. (NRS 445A.425, 445A.520) "Trout water" means a reach of water that the Commission determines is suitable as a habitat for trout.
(Added to NAC by Environmental Comm'n by R226-03, eff. 4-23-2004)

NAC 445A.11776 "≥" defined. (NRS 445A.425, 445A.520) "≥" means greater than or equal to.
(Added to NAC by Environmental Comm'n, eff. 6-29-84) — (Substituted in revision for NAC 445A.141)

NAC 445A.1178 "≤" defined. (NRS 445A.425, 445A.520) "≤" means less than or equal to.
(Added to NAC by Environmental Comm'n, eff. 6-29-84) — (Substituted in revision for NAC 445A.142)

NAC 445A.118 Water quality criteria for total ammonia. (NRS 445A.425, 445A.520)
1. The acute criteria of water quality with regard to the concentration of total ammonia are subject to the following:
(a) The 1-hour average concentration of total ammonia, in milligrams of nitrogen per liter, for the protection of freshwater aquatic life is shown in Table 1.
(b) For cold-water fisheries, the concentration of total ammonia, in milligrams of nitrogen per liter, must not exceed the applicable acute criterion listed under "Cold-Water Fisheries" set forth in Table 1, more than once every 3 years on average.
(c) For warm-water fisheries, the concentration of total ammonia, in milligrams of nitrogen per liter, must not exceed the applicable acute criterion listed under "Warm-Water Fisheries" set forth in Table 1, more than once every 3 years on average.
2. The chronic criteria of water quality with regard to the concentration of total ammonia are subject to the following:
(a) The 30-day average concentration of total ammonia, in milligrams of nitrogen per liter, for the protection of freshwater aquatic life is shown in Tables 2 and 3.
(b) The concentration of total ammonia, in milligrams of nitrogen per liter, expressed as a 30-day average must not exceed the applicable chronic criterion listed in Tables 2 and 3 more than once every 3 years on average, and the highest 4-day average within the 30-day period must not exceed 2.5 times the applicable chronic criterion.
(c) Table 3 must not be used unless the Division receives acceptable documentation of the absence of freshwater fish in early life stages.

TABLE 1: ACUTE WATER QUALITY CRITERIA FOR TOTAL AMMONIA FOR FRESHWATER AQUATIC LIFE
(mg nitrogen/l)

pH	Cold-Water Fisheries[1]	Warm-Water Fisheries[2]
6.5	32.6	48.8
6.6	31.3	46.8
6.7	29.8	44.6
6.8	28.1	42.0
6.9	26.2	39.1
7.0	24.1	36.1
7.1	22.0	32.8
7.2	19.7	29.5
7.3	17.5	26.2
7.4	15.4	23.0
7.5	13.3	19.9
7.6	11.4	17.0
7.7	9.65	14.4
7.8	8.11	12.1
7.9	6.77	10.1
8.0	5.62	8.40
8.1	4.64	6.95
8.2	3.83	5.72
8.3	3.15	4.71

TABLE 1: ACUTE WATER QUALITY CRITERIA FOR TOTAL AMMONIA FOR FRESHWATER AQUATIC LIFE (mg nitrogen/l)		
pH	Cold-Water Fisheries[1]	Warm-Water Fisheries[2]
8.4	2.59	3.88
8.5	2.14	3.20
8.6	1.77	2.65
8.7	1.47	2.20
8.8	1.23	1.84
8.9	1.04	1.56
9.0	0.885	1.32

[1] The acute water quality criteria for total ammonia for cold-water fisheries were calculated using the following equation, which may also be used to calculate unlisted values:

Acute water quality criteria for ammonia (cold-water fisheries) =

$$\left[\frac{0.275}{1+10^{7.204-pH}}\right]+\left[\frac{39.0}{1+10^{pH-7.204}}\right]$$

[2] The acute water quality criteria for total ammonia for warm-water fisheries were calculated using the following equation, which may also be used to calculate unlisted values:

Acute water quality criteria for ammonia (warm-water fisheries) =

$$\left[\frac{0.411}{1+10^{7.204-pH}}\right]+\left[\frac{58.4}{1+10^{pH-7.204}}\right]$$

TABLE 2: CHRONIC WATER QUALITY CRITERIA FOR TOTAL AMMONIA FOR WATERS WHERE FRESHWATER FISH IN EARLY LIFE STAGES MAY BE PRESENT (mg nitrogen/l)[1]										
	Temperature (°C)									
pH	0	14	16	18	20	22	24	26	28	30
6.5	6.67	6.67	6.06	5.33	4.68	4.12	3.62	3.18	2.80	2.46
6.6	6.57	6.57	5.97	5.25	4.61	4.05	3.56	3.13	2.75	2.42
6.7	6.44	6.44	5.86	5.15	4.52	3.98	3.50	3.07	2.70	2.37
6.8	6.29	6.29	5.72	5.03	4.42	3.89	3.42	3.00	2.64	2.32
6.9	6.12	6.12	5.56	4.89	4.30	3.78	3.32	2.92	2.57	2.25
7.0	5.91	5.91	5.37	4.72	4.15	3.65	3.21	2.82	2.48	2.18
7.1	5.67	5.67	5.15	4.53	3.98	3.50	3.08	2.70	2.38	2.09
7.2	5.39	5.39	4.90	4.31	3.78	3.33	2.92	2.57	2.26	1.99
7.3	5.08	5.08	4.61	4.06	3.57	3.13	2.76	2.42	2.13	1.87
7.4	4.73	4.73	4.30	3.78	3.32	2.92	2.57	2.26	1.98	1.74
7.5	4.36	4.36	3.97	3.49	3.06	2.69	2.37	2.08	1.83	1.61
7.6	3.98	3.98	3.61	3.18	2.79	2.45	2.16	1.90	1.67	1.47
7.7	3.58	3.58	3.25	2.86	2.51	2.21	1.94	1.71	1.50	1.32
7.8	3.18	3.18	2.89	2.54	2.23	1.96	1.73	1.52	1.33	1.17
7.9	2.80	2.80	2.54	2.24	1.96	1.73	1.52	1.33	1.17	1.03
8.0	2.43	2.43	2.21	1.94	1.71	1.50	1.32	1.16	1.02	0.897
8.1	2.10	2.10	1.91	1.68	1.47	1.29	1.14	1.00	0.879	0.773
8.2	1.79	1.79	1.63	1.43	1.26	1.11	0.973	0.855	0.752	0.661
8.3	1.52	1.52	1.39	1.22	1.07	0.941	0.827	0.727	0.639	0.562
8.4	1.29	1.29	1.17	1.03	0.906	0.796	0.700	0.615	0.541	0.475
8.5	1.09	1.09	0.990	0.870	0.765	0.672	0.591	0.520	0.457	0.401
8.6	0.920	0.920	0.836	0.735	0.646	0.568	0.499	0.439	0.386	0.339
8.7	0.778	0.778	0.707	0.622	0.547	0.480	0.422	0.371	0.326	0.287
8.8	0.661	0.661	0.601	0.528	0.464	0.408	0.359	0.315	0.277	0.244
8.9	0.565	0.565	0.513	0.451	0.397	0.349	0.306	0.269	0.237	0.208
9.0	0.486	0.486	0.442	0.389	0.342	0.300	0.264	0.232	0.204	0.179

[1] The chronic water quality criteria for total ammonia for waters where freshwater fish in early life stages may be present were calculated using the following equation, which may also be used to calculate unlisted values:

Chronic water quality criteria for ammonia (fish in early life stages present) =

$$\left[\frac{0.0577}{1+10^{7.688-pH}}+\frac{2.487}{1+10^{pH-7.688}}\right]\times MIN\left[2.85, 1.45\times 10^{0.028\times(25-T)}\right]$$

where:

T=°C

x means multiplication

MIN means the lesser of the two values separated by the comma

TABLE 3: CHRONIC WATER QUALITY CRITERIA FOR TOTAL AMMONIA FOR WATERS WHERE FRESHWATER FISH IN EARLY LIFE STAGES ARE ABSENT (mg nitrogen/l)[1]

pH	Temperature (°C)									
	0-7	8	9	10	11	12	13	14	15[2]	16[2]
6.5	10.8	10.1	9.51	8.92	8.36	7.84	7.35	6.89	6.46	6.06
6.6	10.7	9.99	9.37	8.79	8.24	7.72	7.24	6.79	6.36	5.97
6.7	10.5	9.81	9.20	8.62	8.08	7.58	7.11	6.66	6.25	5.86
6.8	10.2	9.58	8.98	8.42	7.90	7.40	6.94	6.51	6.10	5.72
6.9	9.93	9.31	8.73	8.19	7.68	7.20	6.75	6.33	5.93	5.56
7.0	9.60	9.00	8.43	7.91	7.41	6.95	6.52	6.11	5.73	5.37
7.1	9.20	8.63	8.09	7.58	7.11	6.67	6.25	5.86	5.49	5.15
7.2	8.75	8.20	7.69	7.21	6.76	6.34	5.94	5.57	5.22	4.90
7.3	8.24	7.73	7.25	6.79	6.37	5.97	5.60	5.25	4.92	4.61
7.4	7.69	7.21	6.76	6.33	5.94	5.57	5.22	4.89	4.59	4.30
7.5	7.09	6.64	6.23	5.84	5.48	5.13	4.81	4.51	4.23	3.97
7.6	6.46	6.05	5.67	5.32	4.99	4.68	4.38	4.11	3.85	3.61
7.7	5.81	5.45	5.11	4.79	4.49	4.21	3.95	3.70	3.47	3.25
7.8	5.17	4.84	4.54	4.26	3.99	3.74	3.51	3.29	3.09	2.89
7.9	4.54	4.26	3.99	3.74	3.51	3.29	3.09	2.89	2.71	2.54
8.0	3.95	3.70	3.47	3.26	3.05	2.86	2.68	2.52	2.36	2.21
8.1	3.41	3.19	2.99	2.81	2.63	2.47	2.31	2.17	2.03	1.91
8.2	2.91	2.73	2.56	2.40	2.25	2.11	1.98	1.85	1.74	1.63
8.3	2.47	2.32	2.18	2.04	1.91	1.79	1.68	1.58	1.48	1.39
8.4	2.09	1.96	1.84	1.73	1.62	1.52	1.42	1.33	1.25	1.17
8.5	1.77	1.66	1.55	1.46	1.37	1.28	1.20	1.13	1.06	0.990
8.6	1.49	1.40	1.31	1.23	1.15	1.08	1.01	0.951	0.892	0.836
8.7	1.26	1.18	1.11	1.04	0.976	0.915	0.858	0.805	0.754	0.707
8.8	1.07	1.01	0.944	0.885	0.829	0.778	0.729	0.684	0.641	0.601
8.9	0.917	0.860	0.806	0.756	0.709	0.664	0.623	0.584	0.548	0.513
9.0	0.790	0.740	0.694	0.651	0.610	0.572	0.536	0.503	0.471	0.442

[1] The chronic water quality criteria for total ammonia for waters where freshwater fish in early life stages are absent were calculated using the following equation, which may also be used to calculate unlisted values:

Chronic water quality criteria for ammonia (fish in early life stages absent) =

$$\left[\frac{0.0577}{(1+10^{7.688-pH})}+\frac{2.487}{(1+10^{pH-7.688})}\right] x\,1.45\,x\left[10^{0.028(25-MAX(T,7))}\right]$$

where:

T=°C

x means multiplication

MAX means the greater of the two values separated by the comma

[2] At 15°C and above, the criteria for waters where freshwater fish in early life stages are absent is the same as the criteria for waters where freshwater fish in early life stages may be present.

NOTES FOR TABLES 1, 2 AND 3:

- pH and temperature are field measurements that must be taken at the same time and location as the water sample destined for the laboratory analysis of ammonia.
- If the field-measured pH or the temperature values, or both, fall between the tabular values set forth in this section, the field-measured values or temperature values, as appropriate, must be rounded according to standard rounding procedures to the nearest tabular value to determine the applicable ammonia standard, or the equations provided in this section may be used to calculate unlisted values.

(Added to NAC by Environmental Comm'n by R099-02, eff. 12-17-2002)

NAC 445A.120 Applicability. (NRS 445A.425, 445A.520)

1. NAC 445A.070 to 445A.2234, inclusive, apply to all natural streams and lakes, reservoirs or impoundments on natural streams and other specified waterways, unless excepted on the basis of existing irreparable conditions which preclude such use. Man-made waterways, unless otherwise specified, must be protected for public health and the use for which the waterways were developed.

2. The quality of any waters receiving waste discharges must be such that no impairment of the beneficial usage of water occurs as the result of the discharge. Natural water conditions may, on occasion, be outside the limits established by standards. The

standards adopted in NAC 445A.070 to 445A.2234, inclusive, relate to the condition of waters as affected by discharges relating to human activities.

3. NAC 445A.11704 to 445A.2234, inclusive, do not apply to waters within the exterior borders of an Indian reservation.

[Environmental Comm'n, Water Pollution Control Reg. § 4.1, eff. 5-2-78] — (NAC A 12-3-84; R017-99, 9-27-99; R160-06 & R083-08, 8-26-2008; R093-13, 12-23-2013)

NAC 445A.121 Standards applicable to all surface waters. (NRS 445A.425, 445A.520) The following standards are applicable to all surface waters of the State:

1. Waters must be free from substances attributable to domestic or industrial waste or other controllable sources that will settle to form sludge or bottom deposits in amounts sufficient to be unsightly, putrescent or odorous or in amounts sufficient to interfere with any beneficial use of the water.

2. Waters must be free from floating debris, oil, grease, scum and other floating materials attributable to domestic or industrial waste or other controllable sources in amounts sufficient to be unsightly or in amounts sufficient to interfere with any beneficial use of the water.

3. Waters must be free from materials attributable to domestic or industrial waste or other controllable sources in amounts sufficient to produce taste or odor in the water or detectable off-flavor in the flesh of fish or in amounts sufficient to change the existing color, turbidity or other conditions in the receiving stream to such a degree as to create a public nuisance or in amounts sufficient to interfere with any beneficial use of the water.

4. Waters must be free from high temperature, biocides, organisms pathogenic to human beings, toxic, corrosive or other deleterious substances attributable to domestic or industrial waste or other controllable sources at levels or combinations sufficient to be toxic to human, animal, plant or aquatic life or in amounts sufficient to interfere with any beneficial use of the water. Compliance with the provisions of this subsection may be determined in accordance with methods of testing prescribed by the Department. If used as an indicator, survival of test organisms must not be significantly less in test water than in control water.

5. If toxic materials are known or suspected by the Department to be present in a water, testing for toxicity may be required to determine compliance with the provisions of this section and effluent limitations. The Department may specify the method of testing to be used. The failure to determine the presence of toxic materials by testing does not preclude a determination by the Department, on the basis of other criteria or methods, that excessive levels of toxic materials are present.

6. Radioactive materials attributable to municipal, industrial or other controllable sources must be the minimum concentrations that are physically and economically feasible to achieve. In no case must materials exceed the limits established in the 1962 Public Health Service Drinking Water Standards (or later amendments) or 1/30th of the MPC values given for continuous occupational exposure in the "National Bureau of Standards Handbook No. 69." The concentrations in water must not result in accumulation of radioactivity in plants or animals that result in a hazard to humans or harm to aquatic life.

7. Wastes from municipal, industrial or other controllable sources containing arsenic, barium, boron, cadmium, chromium, cyanide, fluoride, lead, selenium, silver, copper and zinc that are reasonably amenable to treatment or control must not be discharged untreated or uncontrolled into the waters of Nevada. In addition, the limits for concentrations of the chemical constituents must provide water quality consistent with the mandatory requirements of the 1962 Public Health Service Drinking Water Standards.

8. The specified standards are not considered violated when the natural conditions of the receiving water are outside the established limits, including periods of extreme high or low flow. Where effluents are discharged to such waters, the discharges are not considered a contributor to substandard conditions provided maximum treatment in compliance with permit requirements is maintained.

[Environmental Comm'n, Water Pollution Control Reg. § 4.1.2 subsecs. a-g, eff. 5-2-78] — (NAC A 9-26-90; R017-99, 9-27-99)

NAC 445A.122 Standards applicable to beneficial uses. (NRS 445A.425, 445A.520)

1. The following standards are intended to protect both existing and designated beneficial uses and must not be used to prohibit the use of the water as authorized under title 48 of NRS:

(a) Watering of livestock. The water must be suitable for the watering of livestock without treatment.

(b) Irrigation. The water must be suitable for irrigation without treatment.

(c) Aquatic life. The water must be suitable as a habitat for fish and other aquatic life existing in a body of water. This does not preclude the reestablishment of other fish or aquatic life.

(d) Recreation involving contact with the water. There must be no evidence of man-made pollution, floating debris, sludge accumulation or similar pollutants.

(e) Recreation not involving contact with the water. The water must be free from:

(1) Visible floating, suspended or settled solids arising from human activities;

(2) Sludge banks;

(3) Slime infestation;

(4) Heavy growth of attached plants, blooms or high concentrations of plankton, discoloration or excessive acidity or alkalinity that leads to corrosion of boats and docks;

(5) Surfactants that foam when the water is agitated or aerated; and

(6) Excessive water temperatures.

(f) Municipal or domestic supply. The water must be capable of being treated by conventional methods of water treatment in order to comply with Nevada's drinking water standards.

(g) Industrial supply. The water must be treatable to provide a quality of water which is suitable for the intended use.

(h) Propagation of wildlife. The water must be suitable for the propagation of wildlife and waterfowl without treatment.

(i) Waters of extraordinary ecological or aesthetic value. The unique ecological or aesthetic value of the water must be maintained.

(j) Enhancement of water quality. The water must support natural enhancement or improvement of water quality in any water which is downstream.

2. This section does not entitle an appropriator to require that the source meet his or her particular requirements for water quality.

[Environmental Comm'n, Water Pollution Control Reg. § 4.1.1, eff. 5-2-78] — (NAC A 11-22-82; 12-3-84; 11-9-95)

NAC 445A.123 Classification and reclassification of waters. (NRS 445A.425, 445A.520)

1. Stream standards and classifications in NAC 445A.123 to 445A.2234, inclusive, do not preclude the Commission from establishing standards and classifications for additional public waters nor reclassifying the waters covered by those sections.

2. The Commission will consider classification of a body of public water not contained in NAC 445A.123 to 445A.2234, inclusive, upon a request for a permit to discharge into that body of water.

[Environmental Comm'n, Water Pollution Control Reg. § 4.2, eff. 5-2-78] — (NAC A 12-3-84; R160-06, 8-26-2008) — (Substituted in revision for NAC 445.121)

NAC 445A.1233 Cooperation regarding Colorado River; salinity standards. (NRS 445A.425, 445A.520)

1. The State of Nevada will cooperate with the other Colorado River Basin states and the Federal Government to support and carry out the conclusions and recommendations adopted April 27, 1972, by the Reconvened 7th Session of the Conference in the Matter of Pollution of the Interstate Waters of the Colorado River and its Tributaries.

2. Pursuant to the "2011 Review - Water Quality Standards for Salinity, Colorado River System," as adopted by the Colorado River Basin Salinity Control Forum, the flow weighted annual average concentrations for the calendar year for total dissolved solids in mg/l at the three lower main stem stations of the Colorado River are as follows:

Station	Salinity in mg/l
Below Hoover Dam	723
Below Parker Dam	747
At Imperial Dam	879

[Environmental Comm'n, Water Pollution Control Reg. Appendix B, eff. 5-2-78] — (NAC A 12-3-84; R017-99, 9-27-99; R159-06, 9-18-2006; R130-10, 12-16-2010; R132-12, 12-20-2012) — (Substituted in revision for NAC 445A.143)

NAC 445A.1236 Standards for toxic materials applicable to designated waters. (NRS 445A.425, 445A.520)

1. Except for waters which have site-specific standards for toxic materials or as otherwise provided in this section, the standards for toxic materials prescribed in subsection 2 are applicable to the waters specified in NAC 445A.123 to 445A.2234, inclusive. The following criteria apply to this section:

(a) If the standards are exceeded at a site and are not economically controllable, the Commission will review and may adjust the standards for the site.

(b) If a standard does not exist for each designated beneficial use, a person who plans to discharge waste must demonstrate that no adverse effect will occur to a designated beneficial use. If the discharge of a substance will lower the quality of the water, a person who plans to discharge waste must meet the requirements of NRS 445A.565.

(c) If a criterion is less than the detection limit of a method that is acceptable to the Division, laboratory results which show that the substance was not detected shall be deemed to show compliance with the standard unless other information indicates that the substance may be present.

2. The standards for toxic materials are:

Chemical	Municipal or Domestic Supply (µg/l)	Aquatic Life[1,2] (µg/l)	Irrigation (µg/l)	Watering of Livestock (µg/l)
INORGANIC CHEMICALS[3]				
Antimony	146[a]	-	-	-
Arsenic	50[b]	-	100[c]	200[d]
1-hour average	-	340[e,(4)]	-	-
96-hour average	-	150[e,(4)]	-	-
Barium	2,000[b]	-	-	-
Beryllium	0[a]	-	100[c]	-
Boron	-	-	750[a]	5,000[d]
Cadmium	5[b]	-	10[d]	50[d]
1-hour average	-	$(1.136672-\{\ln(\text{hardness})(0.041838)\})*e^{(1.0166\{\ln(\text{hardness})\}-3.924)}$ e,(4)	-	-
96-hour average	-	$(1.101672-\{\ln(\text{hardness})(0.041838)\})*e^{(0.7409\{\ln(\text{hardness})\}-4.719)}$ e,(4)	-	-
Chromium (total)	100[b]	-	100[d]	1,000[d]
Chromium (VI)	-	-	-	-
1-hour average	-	16[e,(4)]	-	-
96-hour average	-	11[e,(4)]	-	-
Chromium (III)	-	-	-	-
1-hour average	-	$(0.316) * e^{(0.8190\{\ln(\text{hardness})\}+3.7256)}$ e,(4)	-	-

Chemical	Municipal or Domestic Supply (µg/l)	Aquatic Life[1,2] (µg/l)	Irrigation (µg/l)	Watering of Livestock (µg/l)
96-hour average	-	$(0.860) * e^{(0.8190\{\ln(\text{hardness})\} + 0.6848)}$ e,(4)	-	-
Copper	-	-	200[d]	500[d]
1-hour average	-	$(0.960) * e^{(0.9422\{\ln(\text{hardness})\} - 1.700)}$ e,(4)	-	-
96-hour average	-	$(0.960) * e^{(0.8545\{\ln(\text{hardness})\} - 1.702)}$ e,(4)	-	-
Cyanide	200[a]	-	-	-
1-hour average	-	22[e,(5)]	-	-
96-hour average	-	5.2[e,(5)]	-	-
Fluoride	-	-	1,000[d]	2,000[d]
Iron	-	-	5,000[d]	-
96-hour average	-	1,000[e]	-	-
Lead	50[a,b]	-	5,000[d]	100[d]
1-hour average	-	$(1.46203-\{\ln(\text{hardness})(0.145712)\})*e^{(1.273\{\ln(\text{hardness})\} - 1.460)}$ e,(4)	-	-
96-hour average	-	$(1.46203-\{\ln(\text{hardness})(0.145712)\})*e^{(1.273\{\ln(\text{hardness})\} - 4.705)}$ e,(4)	-	-
Manganese	-	-	200[d]	-
Mercury	2[b]	-	-	10[d]
1-hour average	-	1.4[e,(4)]	-	-
96-hour average	-	0.77[e,(4)]	-	-
Molybdenum	-	-	-	-
1-hour average	-	6,160[f]	-	-
96-hour average	-	1,650[f]	-	-
Nickel	13.4[a]	-	200[d]	-
1-hour average	-	$(0.998) * e^{(0.8460\{\ln(\text{hardness})\} + 2.255)}$ e,(4)	-	-
96-hour average	-	$(0.997) * e^{(0.8460\{\ln(\text{hardness})\} + 0.0584)}$ e,(4)	-	-
Selenium	50[b]	-	20[d]	50[d]
1-hour average	-	20[a]	-	-
96-hour average	-	5.0[e]	-	-
Silver	-	-	-	-
1-hour average	-	$(0.85) * e^{(1.72\{\ln(\text{hardness})\} - 6.59)}$ e,(4)	-	-
Sulfide (undissociated hydrogen sulfide)	-	-	-	-
96-hour average	-	2.0[e]	-	-
Thallium	13[a]	-	-	-
Zinc	-	-	2,000[d]	25,000[d]
1-hour average	-	$(0.978) * e^{(0.8473\{\ln(\text{hardness})\} + 0.884)}$ e,(4)	-	-
96-hour average	-	$(0.986) * e^{(0.8473\{\ln(\text{hardness})\} + 0.884)}$ e,(4)	-	-
ORGANIC CHEMICALS				
Acrolein	320[a]	-	-	-
1-hour average	-	3[e]	-	-
96-hour average	-	3[e]	-	-
Aldrin	0[a]	-	-	-
1-hour average	-	3.0[e]	-	-
alpha-Endosulfan	-	-	-	-
1-hour average	-	0.22[e]	-	-
96-hour average	-	0.056[e]	-	-
beta-Endosulfan	-	-	-	-
1-hour average	-	0.22[e]	-	-
96-hour average	-	0.056[e]	-	-
Benzene	5[b]	-	-	-
Bis (2-chloroisopropyl) ether	34.7[a]	-	-	-
Chlordane	0[a]	-	-	-
1-hour average	-	2.4[e]	-	-
96-hour average	-	0.0043[e]	-	-

Chemical	Municipal or Domestic Supply (µg/l)	Aquatic Life[1,2] (µg/l)	Irrigation (µg/l)	Watering of Livestock (µg/l)
Chloroethylene (vinyl chloride)	2[b]	-	-	-
Chlorpyrifos	-	-	-	-
1-hour average	-	0.083[e]	-	-
96-hour average	-	0.041[e]	-	-
2,4-D	100[a,b]	-	-	-
DDT & metabolites	0[a]	-	-	-
4,4'-DDT	-	-	-	-
1-hour average	-	1.1[e,(6)]	-	-
96-hour average	-	0.001[e,(6)]	-	-
Demeton	-	-	-	-
96-hour average	-	0.1[e]	-	-
Diazinon	-	-	-	-
1-hour average	-	0.17[e]	-	-
96-hour average	-	0.17[e]	-	-
Dibutyl phthalate	34,000[a]	-	-	-
m-dichlorobenzene	400[a]	-	-	-
o-dichlorobenzene	400[a]	-	-	-
p-dichlorobenzene	75[b]	-	-	-
1,2-dichloroethane	5[b]	-	-	-
1,1-dichloroethylene	7[b]	-	-	-
2,4-dichlorophenol	3,090[a]	-	-	-
Dichloropropenes	87[a]	-	-	-
Dieldrin	0[a]	-	-	-
1-hour average	-	0.24[e]	-	-
96-hour average	-	0.056[e]	-	-
Di-2-ethylhexyl phthalate	15,000[a]	-	-	-
Diethyl phthalate	350,000[a]	-	-	-
Dimethyl phthalate	313,000[a]	-	-	-
4,6-dinitro-2-methylphenol	13.4[a]	-	-	-
Dinitrophenols	70[a]	-	-	-
Endosulfan	75[a]	-	-	-
Endrin	0.2[b]	-	-	-
1-hour average	-	0.086[e]	-	-
96-hour average	-	0.036[e]	-	-
Ethylbenzene	1,400[a]	-	-	-
Fluoranthene (polynuclear aromatic hydrocarbon)	42[a]	-	-	-
Guthion	-	-	-	-
96-hour average	-	0.01[e]	-	-
Heptachlor	-	-	-	-
1-hour average	-	0.52[e]	-	-
96-hour average	-	0.0038[e]	-	-
Heptacholor Epoxide	-	-	-	-
1-hour average	-	0.52[e]	-	-
96-hour average	-	0.0038[e]	-	-
Hexachlorocyclopentadiene	206[a]	-	-	-
Isophorone	5,200[a]	-	-	-
Lindane	4[b]	-	-	-
1-hour average	-	0.95[e]	-	-
Malathion	-	-	-	-
96-hour average	-	0.1[e]	-	-
Methoxychlor	100[a,b]	-	-	-
96-hour average	-	0.03[e]	-	-
Mirex	0[a]	-	-	-
96-hour average	-	0.001[e]	-	-
Monochlorobenzene	488[a]	-	-	-
Nitrobenzene	19,800[a]	-	-	-
Nonylphenol	-	-	-	-
1-hour average	-	28[e]	-	-
96-hour average	-	6.6[e]	-	-

Chemical	Municipal or Domestic Supply (µg/l)	Aquatic Life[1,2] (µg/l)	Irrigation (µg/l)	Watering of Livestock (µg/l)
Parathion	-	-	-	-
1-hour average	-	0.065[a]	-	-
96-hour average	-	0.013[a]	-	-
Pentachlorophenol	1,010[a]	-	-	-
1-hour average	-	$e^{1.005(pH) - 4.869}$[e]	-	-
96-hour average	-	$e^{1.005(pH) - 5.134}$[e]	-	-
Phenol	3,500[a]	-	-	-
Polychlorinated biphenyls (PCBs)	0[a]	-	-	-
96-hour average	-	0.014[e]	-	-
Silvex (2,4,5-TP)	10[a,b]	-	-	-
Tetrachloromethane (carbon tetrachloride)	5[b]	-	-	-
Toluene	14,300[a]	-	-	-
Toxaphene	5[b]	-	-	-
1-hour average	-	0.73[a]	-	-
96-hour average	-	0.0002[a]	-	-
Tributyltin (TBT)	-	-	-	-
1-hour average	-	0.46[e]	-	-
96-hour average	-	0.072[e]	-	-
1,1,1-trichloroethane (TCA)	200[b]	-	-	-
Trichloroethylene (TCE)	5[b]	-	-	-
Trihalomethanes (total)[7]	100[b]	-	-	-

Footnotes:
(1) One-hour average and 96-hour average concentration limits may be exceeded only once every 3 years. See reference a.
(2) Aquatic life standards apply to surface waters only; "hardness" is expressed as mg/L $CaCO_3$; and "e" refers to the base of the natural logarithm whose value is 2.718.
(3) The standards for metals are expressed as total recoverable, unless otherwise noted.
(4) This standard applies to the dissolved fraction.
(5) This standard is expressed as free cyanide.
(6) This standard applies to DDT and its metabolites (i.e., the total concentration of DDT and its metabolites should not exceed this value).
(7) The standard for trihalomethanes (TTHMs) is the sum of the concentration of bromodicholoromethane, dibromocholoromethane, tribromomethane (bromoform) and trichloromethane (chloroform). See reference b.

References:
a. U.S. Environmental Protection Agency, Pub. No. EPA 440/5-86-001, *Quality Criteria for Water* (Gold Book) (1986).
b. Federal Maximum Contaminant Level (MCL), 40 C.F.R. §§ 141.11, 141.61 and 141.62 (1992).
c. U.S. Environmental Protection Agency, Pub. No. EPA 440/9-76-023, *Quality Criteria for Water* (Red Book) (1976).
d. National Academy of Sciences, *Water Quality Criteria* (Blue Book) (1972).
e. U.S. Environmental Protection Agency, *National Recommended Water Quality Criteria*, May 2009.
f. Nevada Division of Environmental Protection, *Aquatic Life Water Quality Criteria for Molybdenum,* Tetra Tech, Inc., (June 2008).

(Added to NAC by Environmental Comm'n, eff. 9-13-85; A 9-25-90; 7-5-94; 11-29-95; R158-06, 9-18-2006; R160-06, 8-26-2008; R186-08, 12-17-2008; R129-12, 12-20-2012) — (Substituted in revision for NAC 445A.144)

NAC 445A.1239 Control points: Prescription and applicability of numerical standards for water quality; designation of beneficial uses. (NRS 445A.425, 445A.520)

1. Control points are locations where water quality criteria are specified. Criteria so specified apply to all surface waters of Nevada in the watershed upstream from the control point or to the next upstream control point or to the next water named in NAC 445A.123 to 445A.2234, inclusive.

2. If there are no control points downstream from a particular control point, the criteria for that control point also apply to all surface waters of Nevada in the watershed downstream of the control point or to the next water named in NAC 445A.123 to 445A.2234, inclusive.

3. Each standard is set to protect the beneficial use which is most sensitive with respect to that particular standard.

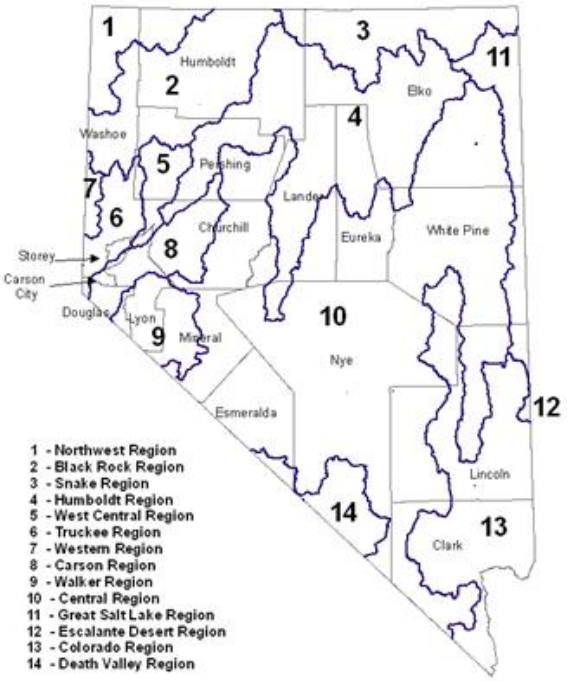
4. NAC 445A.1242 to 445A.2234, inclusive, prescribe numerical standards for water quality and designate beneficial uses at particular control points.

[Environmental Comm'n, Water Pollution Control Reg. § 4.2.5, eff. 5-2-78; A 1-25-79; 8-28-79; 1-25-80; 12-3-80] — (NAC A 11-22-82; 9-25-90; R160-06, 8-26-2008) — (Substituted in revision for NAC 445A.145)

NAC 445A.1242 Hydrographic regions. (NRS 445A.425, 445A.520) The designated beneficial uses and water quality standards for select bodies of water within the 14 hydrographic regions of Nevada, as established by the Division of Water Resources of the Department and the United States Geological Survey in 1968, are set forth in the following table for each region as follows:

Region No.	Hydrographic Region	NAC Reference for:	
		Beneficial Uses	Water Quality Standards

1	Northwest Region	NAC 445A.1252	NAC 445A.1254 to 445A.1268, inclusive
2	Black Rock Region	NAC 445A.1282	NAC 445A.1284 to 445A.1316, inclusive
3	Snake Region	NAC 445A.1332	NAC 445A.1334 to 445A.1412, inclusive
4	Humboldt Region	NAC 445A.1432	NAC 445A.1434 to 445A.1578, inclusive
5	West Central Region	NAC 445A.1612	NAC 445A.1614
6	Truckee Region	NAC 445A.1622	NAC 445A.1624 to 445A.1764, inclusive
7	Western Region	NAC 445A.1782	NAC 445A.1784
8	Carson Region	NAC 445A.1792	NAC 445A.1794 to 445A.1864, inclusive
9	Walker Region	NAC 445A.1882	NAC 445A.1884 to 445A.1934, inclusive
10	Central Region	NAC 445A.1952	NAC 445A.1954 to 445A.2068, inclusive
11	Great Salt Lake Region	NAC 445A.2092	NAC 445A.2094 to 445A.2112, inclusive
12	Escalante Desert Region	NAC 445A.2132	NAC 445A.2134
13	Colorado Region	NAC 445A.2142	NAC 445A.2144 to 445A.2214, inclusive
14	Death Valley Region	NAC 445A.2232	NAC 445A.2234



(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1252 Northwest Region: Designated beneficial uses. (NRS 445A.425, 445A.520) The designated beneficial uses for select bodies of water within the Northwest Region are prescribed in this section:

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Boulder Reservoir	The entire reservoir.	X	X	X	X	X	X		X					NAC 445A.1256
Blue Lakes	The entire area.	X	X	X	X	X	X		X					NAC 445A.1258
Catnip Reservoir	The entire reservoir.	X	X	X	X	X	X		X					NAC 445A.1262
Wall Canyon Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1264
Knott Creek Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1266
Onion Valley Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1268

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		

Livestock	Watering of livestock
Irrigation	Irrigation
Aquatic	Propagation of aquatic life
Contact	Recreation involving contact with the water
Noncontact	Recreation not involving contact with the water
Municipal	Municipal or domestic supply, or both
Industrial	Industrial supply
Wildlife	Propagation of wildlife
Aesthetic	Waters of extraordinary ecological or aesthetic value
Enhance	Enhancement of water quality
Marsh	Maintenance of a freshwater marsh

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1254 Northwest Region: Standards for select bodies of water. (NRS 445A.425, 445A.520) The standards for water quality for select bodies of water within the Northwest Region are prescribed in NAC 445A.1254 to 445A.1268, inclusive.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1256 Northwest Region: Boulder Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Boulder Reservoir. Boulder Reservoir is located in Washoe County.

STANDARDS OF WATER QUALITY
Boulder Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.025			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1252 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1258 Northwest Region: Blue Lakes. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Blue Lakes. Blue Lakes is located in Humboldt County.

STANDARDS OF WATER QUALITY
Blue Lakes

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.025			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		≤ 500 or S.V.the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1252 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1262 Northwest Region: Catnip Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Catnip Reservoir. Catnip Reservoir is located in Washoe County.

STANDARDS OF WATER QUALITY
Catnip Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.025			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 298				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1252 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1264 Northwest Region: Wall Canyon Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Wall Canyon Reservoir. Wall Canyon Reservoir is located in Washoe County.

STANDARDS OF WATER QUALITY
Wall Canyon Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 576				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1252 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1266 Northwest Region: Knott Creek Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Knott Creek Reservoir. Knott Creek Reservoir is located in Humboldt County.

STANDARDS OF WATER QUALITY
Knott Creek Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1252 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1268 Northwest Region: Onion Valley Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Onion Valley Reservoir. Onion Valley Reservoir is located in Humboldt County.

STANDARDS OF WATER QUALITY
Onion Valley Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1252 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1282 Black Rock Region: Designated beneficial uses. (NRS 445A.425, 445A.520) The designated beneficial uses for select bodies of water within the Black Rock Region are prescribed in this section:

Water Body Name	Segment Description	Beneficial Uses										Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Smoke Creek	From the California-Nevada state line to the Smoke Creek Desert.	X	X	X	X	X			X					NAC 445A.1286
Squaw Creek Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1288
Negro Creek	From its origin to the first irrigation diversion, near the west line of section 28, T. 36 N., R. 23 E., M.D.B. & M.	X	X	X	X	X	X		X					NAC 445A.1292
Mahogany Creek	From its origin to the exterior border of the Summit Lake Indian Reservation.	X	X	X	X	X	X		X					NAC 445A.1296

Water Body Name	Segment Description	Beneficial Uses										Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Leonard Creek	From its origin to the first point of diversion, near the south line of section 12, T. 42 N., R. 28 E., M.D.B. & M.	X	X	X	X	X	X		X				NAC 445A.1298
Bilk Creek, upper	From its origin to its intersection with the south line of section 35, T. 45 N., R. 32 E., M.D.B. & M.	X	X	X	X	X	X		X				NAC 445A.1302
Bilk Creek at Bilk Creek Reservoir	From its intersection with the south line of section 35, T. 45 N., R. 32 E., M.D.B. & M., to Bilk Creek Reservoir.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1304
Bilk Creek Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1306
Bottle Creek	From its origin to the first point of diversion, near the east line of section 23, T. 40 N., R. 32 E., M.D.B. & M.	X	X	X	X	X	X		X				NAC 445A.1308
Quinn River, East and South Forks	From their origin to the confluence of the East and South Forks, except for the length of the river within the exterior borders of the Fort McDermitt Indian Reservation.	X	X	X	X	X	X		X				NAC 445A.1312

Water Body Name	Segment Description	Beneficial Uses										Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Quinn River (the slough)	From the Oregon-Nevada state line in section 31, T. 48 N., R. 38 E., M.D.B. & M., to the confluence with the main tributary of the Quinn River at the south line of section 17, T. 47 N., R. 38 E., M.D.B. & M., except for the length of the river within the exterior borders of the Fort McDermitt Indian Reservation.	X	X	X		X		X	X				NAC 445A.1316

Irrigation	Irrigation
Livestock	Watering of livestock
Contact	Recreation involving contact with the water
Noncontact	Recreation not involving contact with the water
Industrial	Industrial supply
Municipal	Municipal or domestic supply, or both
Wildlife	Propagation of wildlife
Aquatic	Propagation of aquatic life
Aesthetic	Waters of extraordinary ecological or aesthetic value
Enhance	Enhancement of water quality
Marsh	Maintenance of a freshwater marsh

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R127-10, 12-16-2010; R129-10, 1-13-2011; R093-13, 12-23-2013)

NAC 445A.1284 Black Rock Region: Standards for select bodies of water. (NRS 445A.425, 445A.520) The standards for water quality for select bodies of water within the Black Rock Region are prescribed in NAC 445A.1284 to 445A.1316, inclusive.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1286 Black Rock Region: Smoke Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Smoke Creek from the California-Nevada state line to the Smoke Creek Desert. Smoke Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Smoke Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X			X			
Aquatic Life Species of Concern													

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C		S.V. Summer S.V.≤ 25.0 S.V. Winter≤ 14.0			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*				*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X			X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.1[b]			*	*	X						
Nitrogen Species (as N) - mg/l		Nitrate S.V.≤ 90 Nitrite S.V.≤ 5.0 Total Nitrogen[b]	X X		* * *	 *				X X			
Total Ammonia (as N) - mg/l		c			*								
Turbidity - NTU		S.V.≤ 50			*								
Total Dissolved Solids - mg/l		S.V.≤ 1,000	X	*									
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X			X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

b The water must not contain nutrient concentrations from a source other than a natural source which cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R127-10, 12-16-2010; R128-12 & R131-12, 12-20-2012)

NAC 445A.1288 Black Rock Region: Squaw Creek Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Squaw Creek Reservoir. Squaw Creek Reservoir is located in Washoe County.

STANDARDS OF WATER QUALITY
Squaw Creek Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1292 Black Rock Region: Negro Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Negro Creek from its origin to the first irrigation diversion, near the west line of section 28, T. 36 N., R. 23 E., M.D.B. & M. Negro Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Negro Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔTb - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1296 Black Rock Region: Mahogany Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Mahogany Creek from its origin to the exterior border of the Summit Lake Indian Reservation. Mahogany Creek is located in Humboldt County.

STANDARDS OF WATER QUALITY
Mahogany Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		≤ 500 or S.V.the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R093-13, 12-23-2013)

NAC 445A.1298 Black Rock Region: Leonard Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Leonard Creek from its origin to the first point of diversion, near the south line of section 12, T. 42 N., R. 28 E., M.D.B. & M. Leonard Creek is located in Humboldt County.

STANDARDS OF WATER QUALITY
Leonard Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1302 Black Rock Region: Bilk Creek, upper. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Bilk Creek from its origin to its intersection with the south line of section 35, T. 45 N., R. 32 E., M.D.B. & M. This segment of Bilk Creek is located in Humboldt County.

STANDARDS OF WATER QUALITY
Bilk Creek, upper

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1304 Black Rock Region: Bilk Creek at Bilk Creek Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Bilk Creek from its intersection with the south line of section 35, T. 45 N., R. 32 E., M.D.B. & M., to Bilk Creek Reservoir. This segment of Bilk Creek is located in Humboldt County.

STANDARDS OF WATER QUALITY
Bilk Creek at Bilk Creek Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1306 Black Rock Region: Bilk Creek Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Bilk Creek Reservoir. Bilk Creek Reservoir is located in Humboldt County.

STANDARDS OF WATER QUALITY
Bilk Creek Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 576				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1308 Black Rock Region: Bottle Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Bottle Creek from its origin to the first point of diversion, near the east line of section 23, T. 40 N., R. 32 E., M.D.B. & M. Bottle Creek is located in Humboldt County.

STANDARDS OF WATER QUALITY
Bottle Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1312 Black Rock Region: Quinn River, East and South Forks. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the East and South Forks of the Quinn River from their origin to the confluence of the East and South Forks, except for the length of the river within the exterior borders of the Fort McDermitt Indian Reservation. This segment of the East and South Forks of the Quinn River is located in Humboldt County.

STANDARDS OF WATER QUALITY
Quinn River, East and South Forks

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R129-10, 1-13-2011; R131-12, 12-20-2012)

NAC 445A.1316 Black Rock Region: Quinn River (the slough). (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Quinn River from the Oregon-Nevada state line in section 31, T. 48 N., R. 38 E., M.D.B. & M., to the confluence with the main tributary of the Quinn River at the south line of section 17, T. 47 N., R. 38 E., M.D.B. & M., except for the length of the river within the exterior borders of the Fort McDermitt Indian Reservation. This segment of the Quinn River is located in Humboldt County.

STANDARDS OF WATER QUALITY
Quinn River (the slough)

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X		X		X	X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Aquatic Life Species of Concern													
pH - SU		S.V. 6.0 - 9.0	X	X	*				X	*			
Dissolved Oxygen - mg/l		S.V. ≥ 3.0	X		*		X			X			
Total Ammonia (as N) - mg/l		b			*								
E. coli - No./100 ml		A.G.M. ≤ 630					*						

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

[b] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R129-10, 1-13-2011)

NAC 445A.1332 Snake Region: Designated beneficial uses. (NRS 445A.425, 445A.520) The designated beneficial uses for select bodies of water within the Snake Region are prescribed in this section:

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Goose Creek	Within the State of Nevada.	X	X	X	X	X	X	X	X					NAC 445A.1336
Salmon Falls Creek	From the confluence of the North and South Forks of Salmon Falls Creek to the Nevada-Idaho state line.	X	X	X	X	X	X	X	X					NAC 445A.1338
Shoshone Creek	From the Nevada-Idaho state line to its confluence with Salmon Falls Creek.	X	X	X	X	X	X	X	X					NAC 445A.1342
Jarbidge River, East Fork	From its origin to the Nevada-Idaho state line.	X	X	X	X	X	X	X	X					NAC 445A.1344
Jarbidge River, above Jarbidge	From its origin to the bridge above the town of Jarbidge.	X	X	X	X	X	X	X	X					NAC 445A.1346

Water Body Name	Segment Description	Beneficial Uses										Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Jarbidge River, below Jarbidge	From the bridge above the town of Jarbidge to the Nevada-Idaho state line.	X	X	X	X	X	X	X	X				NAC 445A.1348
Bruneau River	From its origin to the Nevada-Idaho state line.	X	X	X	X	X	X	X	X				NAC 445A.1352
Owyhee River, above Mill Creek	From Wild Horse Reservoir to its confluence with Mill Creek.	X	X	X	X	X	X	X	X				NAC 445A.1354
Owyhee River, below Mill Creek	From its confluence with Mill Creek to the border of the Duck Valley Indian Reservation.	X	X	X	X	X	X	X	X				NAC 445A.1356
Owyhee River, South Fork	From its origin to the Nevada-Idaho state line.	X	X	X	X	X	X	X	X				NAC 445A.1362
Salmon Falls Creek, North Fork	From the national forest boundary to its confluence with the South Fork of Salmon Falls Creek.	X	X	X	X	X	X	X	X			Trout	NAC 445A.1364
Salmon Falls Creek, South Fork	From the national forest boundary to its confluence with the North Fork of Salmon Falls Creek.	X	X	X	X	X	X	X	X			Trout	NAC 445A.1366
Camp Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X		X				NAC 445A.1368

Water Body Name	Segment Description	Beneficial Uses										Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Camp Creek at the South Fork of Salmon Falls Creek	From the national forest boundary to its confluence with the South Fork of Salmon Falls Creek.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1372
Cottonwood Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X		X					NAC 445A.1374
Cottonwood Creek at the South Fork of Salmon Falls Creek	From the national forest boundary to its confluence with the South Fork of Salmon Falls Creek.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1376
Canyon Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X		X					NAC 445A.1378
Canyon Creek at the South Fork of Salmon Falls Creek	From the national forest boundary to its confluence with the South Fork of Salmon Falls Creek.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1382
Bear Creek	From its origin to the point of diversion for the Jarbidge municipal water supply, near the east line of section 17, T. 46 N., R. 58 E., M.D.B. & M.	X	X	X	X	X	X		X					NAC 445A.1384
76 Creek	The entire length.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1386
Owyhee River, East Fork above Wild Horse Reservoir	From its origin to Wild Horse Reservoir.	X	X	X	X	X	X		X					NAC 445A.1388
Deep Creek	From its origin to Wild Horse Reservoir.	X	X	X	X	X	X		X					NAC 445A.1392

Water Body Name	Segment Description	Beneficial Uses										Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Penrod Creek, including tributaries	From its origin, including its tributaries, to Wild Horse Reservoir.	X	X	X	X	X	X		X				NAC 445A.1394
Hendricks Creek	From its origin to Wild Horse Reservoir.	X	X	X	X	X	X		X				NAC 445A.1396
Wild Horse Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1398
Browns Gulch	From its origin to the point of diversion for the Mountain City municipal water supply, near the south line of section 24, T. 46 N., R. 53 E., M.D.B. & M.	X	X	X	X	X	X		X				NAC 445A.1402
Jack Creek	From its origin to its confluence with Harrington Creek.	X	X	X	X	X	X		X				NAC 445A.1404
Harrington Creek	From its confluence with Jack Creek to the South Fork of the Owyhee River.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1406
Bull Run Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1408
Wilson Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1412
Taylor Canyon Creek	From its origin to its confluence with the South Fork of the Owyhee River.	X	X	X	X	X	X	X	X				NAC 445A.1414
Trout Creek at Goose Creek	From the Nevada-Idaho state line to its confluence with Goose Creek.	X	X	X	X	X	X	X	X				NAC 445A.1416
Trout Creek at Salmon Falls Creek	From its origin to its confluence with Salmon Falls Creek.	X	X	X	X	X	X	X	X				NAC 445A.1418

Water Body Name	Segment Description	Beneficial Uses										Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Jack Creek at Jarbidge River	From its origin to its confluence with the Jarbidge River.	X	X	X	X	X	X	X	X					NAC 445A.1422

Irrigation	Irrigation
Livestock	Watering of livestock
Contact	Recreation involving contact with the water
Noncontact	Recreation not involving contact with the water
Industrial	Industrial supply
Municipal	Municipal or domestic supply, or both
Wildlife	Propagation of wildlife
Aquatic	Propagation of aquatic life
Aesthetic	Waters of extraordinary ecological or aesthetic value
Enhance	Enhancement of water quality

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R133-10, 12-16-2010)

NAC 445A.1334 Snake Region: Standards. (NRS 445A.425, 445A.520) The standards for water quality for the Snake Region are prescribed in NAC 445A.1334 to 445A.1422, inclusive.
(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R133-10, 12-16-2010)

NAC 445A.1336 Snake Region: Goose Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Goose Creek within the State of Nevada. Goose Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Goose Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C	ΔT= 0	S.V. May-Oct< 21 S.V.< 13 Nov-< 1 Apr ΔT			*	X							
pH - SU	ΔpH±0.5	S.V. 6.5 - 9.0			*	X		X					
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V.≤ 1.0	Nitrate S.V.≤ 10 Nitrite≤ 0.06 S.V.			*	X	X	*					
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 25			*			X					
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l	S.V.≤ 185	S.V.≤ 500	X	X				*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Chloride - mg/l	S.V.≤ 9.0	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R133-10, 12-16-2010; R131-12, 12-20-2012)

NAC 445A.1338 Snake Region: Salmon Falls Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Salmon Falls Creek from the confluence of the North and South Forks of Salmon Falls Creek to the Nevada-Idaho state line. Salmon Falls Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Salmon Falls Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C	ΔT= 0	S.V. May-Oct< 21 S.V.< 13 Nov-< 1 Apr ΔT			*	X							
pH - SU	ΔpH± 0.5	S.V. 6.5 - 9.0			*	X		X					
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V.≤ 1.0	Nitrate S.V.≤ 10 Nitrite≤ 0.06 S.V.			*	X	X	*					
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 25			*			X					
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l	S.V.≤ 250	S.V.≤ 500	X	X				*					
Chloride - mg/l	S.V.≤ 14.0	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 250 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml	S.V.≤ 90	S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R133-10, 12-16-2010; R131-12, 12-20-2012)

NAC 445A.1342 Snake Region: Shoshone Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Shoshone Creek from the Nevada-Idaho state line to its confluence with Salmon Falls Creek. Shoshone Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Shoshone Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C	ΔT= 0	S.V. May-Oct< 21 S.V.< 13 Nov-< 1 Apr ΔT			*	X							
pH - SU	ΔpH±0.5	S.V. 6.5 - 9.0			*	X		X					
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V.≤ 1.0	Nitrate S.V.≤ 10 Nitrite≤ 0.06 S.V.			*	X	X	*					
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 25			*			X					
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l	S.V.≤ 250	S.V.≤ 500	X	X				*					
Chloride - mg/l	S.V.≤ 15.0	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R133-10, 12-16-2010; R131-12, 12-20-2012)

NAC 445A.1344 Snake Region: Jarbidge River, East Fork. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the East Fork of Jarbidge River from its origin to the Nevada-Idaho state line. The East Fork of Jarbidge River is located in Elko County.

STANDARDS OF WATER QUALITY
Jarbidge River, East Fork

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C	ΔT= 0	S.V. May-Oct< 21 S.V.< 7 Nov-< 1 Apr ΔT			*	X							
pH - SU	ΔpH±0.5	S.V. 6.5 - 9.0			*	X		X					
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V.≤ 1.0	Nitrate S.V.≤ 10 Nitrite≤ 0.06 S.V.			*	X	X	*					
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 25			*			X					
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l	S.V.≤ 200	S.V.≤ 500	X	X				*					
Chloride - mg/l	S.V.≤ 6.0	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml	S.V.≤ 100	S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R133-10, 12-16-2010; R131-12, 12-20-2012)

NAC 445A.1346 Snake Region: Jarbidge River, above Jarbidge. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Jarbidge River from its origin to the bridge above the town of Jarbidge. This segment of the Jarbidge River is located in Elko County.

STANDARDS OF WATER QUALITY
Jarbidge River, above Jarbidge

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C	ΔT= 0	S.V. May-Oct< 21 S.V.< 7 Nov-< 1 Apr ΔT			*	X							
pH - SU	ΔpH±0.5	S.V. 6.5 - 9.0			*	X		X					
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l	S.V.≤ 0.05	S.V.≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V.≤ 1.0	Nitrate S.V.≤ 10 Nitrite≤ 0.06 S.V.			*	X	X	*					
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 25			*			X					
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l	S.V.≤ 65	S.V.≤ 500	X	X				*					
Chloride - mg/l	S.V.≤ 7.0	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml	S.V.≤ 10	S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R133-10, 12-16-2010; R131-12, 12-20-2012)

NAC 445A.1348 Snake Region: Jarbidge River, below Jarbidge. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Jarbidge River from the bridge above the town of Jarbidge to the Nevada-Idaho state line. This segment of the Jarbidge River is located in Elko County.

STANDARDS OF WATER QUALITY
Jarbidge River, below Jarbidge

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C	ΔT= 0	S.V. May-Oct< 21 S.V.< 7 Nov-< 1 Apr ΔT			*	X							
pH - SU	ΔpH±0.5	S.V. 6.5 - 9.0			*	X		X					
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l	S.V.≤ 0.05	S.V.≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V.≤ 1.0	Nitrate S.V.≤ 10 Nitrite≤ 0.06 S.V.			*	X	X	*					
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 25			*			X					
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l	S.V.≤ 80	S.V.≤ 500	X	X				*					
Chloride - mg/l	S.V.≤ 7.0	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R133-10, 12-16-2010; R131-12, 12-20-2012)

NAC 445A.1352 Snake Region: Bruneau River. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Bruneau River from its origin to the Nevada-Idaho state line. The Bruneau River is located in Elko County.

STANDARDS OF WATER QUALITY
Bruneau River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C	ΔT= 0	S.V. May-Oct< 21 S.V.< 7 Nov-< 1 Apr ΔT			*	X							
pH - SU	ΔpH±0.5	S.V. 6.5 - 9.0			*	X		X					
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V.≤ 1.0	Nitrate S.V.≤ 10 Nitrite≤ 0.06 S.V.			*	X	X	*					
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 25			*			X					
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l	S.V.≤ 180	S.V.≤ 500	X	X				*					
Chloride - mg/l	S.V.≤ 7.0	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml	S.V.≤ 80	S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R133-10, 12-16-2010; R131-12, 12-20-2012)

NAC 445A.1354 Snake Region: Owyhee River, above Mill Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Owyhee River from Wild Horse Reservoir to its confluence with Mill Creek. This segment of the Owyhee River is located in Elko County.

STANDARDS OF WATER QUALITY
Owyhee River, above Mill Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C	ΔT= 0	S.V. May-Oct< 21 S.V.< 7 Nov-< 1 Apr ΔT			*	X							
pH - SU	ΔpH±0.5	S.V. 6.5 - 9.0			*	X		X					
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V.≤ 1.0	Nitrate S.V.≤ 10 Nitrite≤ 0.06 S.V.			*	X	X	*					
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 25			*			X					
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l	S.V.≤ 200	S.V.≤ 500	X	X				*					
Chloride - mg/l	S.V.≤ 8.0	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Fecal Coliform -No./100 ml		≤ S.V. 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R133-10, 12-16-2010; R131-12, 12-20-2012)

NAC 445A.1356 Snake Region: Owyhee River, below Mill Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Owyhee River from its confluence with Mill Creek to the border of the Duck Valley Indian Reservation. This segment of the Owyhee River is located in Elko County.

STANDARDS OF WATER QUALITY
Owyhee River, below Mill Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C	ΔT= 0	S.V. May-Oct< 21 S.V.< 7 Nov-< 1 Apr ΔT			*	X							
pH - SU	ΔpH±0.5	S.V. 6.5 - 9.0			*	X		X					
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V.≤ 1.0	Nitrate S.V.≤ 10 Nitrite≤ 0.06 S.V.			*	X	X	*					
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 25			*			X					
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l	S.V.≤ 250	S.V.≤ 500	X	X				*					
Chloride - mg/l	S.V.≤ 8.0	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml	S.V.≤ 125	S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R133-10, 12-16-2010; R131-12, 12-20-2012)

NAC 445A.1362 Snake Region: Owyhee River, South Fork. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the South Fork of the Owyhee River from its origin to the Nevada-Idaho state line. The South Fork of the Owyhee River is located in Elko County.

STANDARDS OF WATER QUALITY
Owyhee River, South Fork

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C	$\Delta T = 0$	S.V. May-Oct< 21 S.V.< 13 Nov-< 1 Apr ΔT			*	X							
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X					
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V.≤ 1.0	Nitrate S.V.≤ 10 Nitrite≤ 0.06 S.V.			*	X	X	*					
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 25			*			X					
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l	S.V.≤ 280	S.V.≤ 500	X	X				*					
Chloride - mg/l	S.V.≤ 15.0	S.V.≤ 250	X	X				*		X			
Sulfates - mg/l		S.V.≤ 250						*					
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R133-10, 12-16-2010; R131-12, 12-20-2012)

NAC 445A.1364 Snake Region: Salmon Falls Creek, North Fork. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the North Fork of Salmon Falls Creek from the national forest boundary to its confluence with the South Fork of Salmon Falls Creek. The North Fork of Salmon Falls Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Salmon Falls Creek, North Fork

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1366 Snake Region: Salmon Falls Creek, South Fork. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the South Fork of Salmon Falls Creek from the national forest boundary to its confluence with the North Fork of Salmon Falls Creek. The South Fork of Salmon Falls Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Salmon Falls Creek, South Fork

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1368 Snake Region: Camp Creek at the national forest boundary. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Camp Creek from its origin to the national forest boundary. This segment of Camp Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Camp Creek at the national forest boundary

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1372 Snake Region: Camp Creek at the South Fork of Salmon Falls Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Camp Creek from the national forest boundary to its confluence with the South Fork of Salmon Falls Creek. This segment of Camp Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Camp Creek at the South Fork of Salmon Falls Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1374 Snake Region: Cottonwood Creek at the national forest boundary. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Cottonwood Creek from its origin to the national forest boundary. This segment of Cottonwood Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Cottonwood Creek at the national forest boundary

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		≤ 500 or the 95th S.V.percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1376 Snake Region: Cottonwood Creek at the South Fork of Salmon Falls Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Cottonwood Creek from the national forest boundary to its confluence with the South Fork of Salmon Falls Creek. This segment of Cottonwood Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Cottonwood Creek at the South Fork of Salmon Falls Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1378 Snake Region: Canyon Creek at the national forest boundary. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Canyon Creek from its origin to the national forest boundary. This segment of Canyon Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Canyon Creek at the national forest boundary

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1382 Snake Region: Canyon Creek at the South Fork of Salmon Falls Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Canyon Creek from the national forest boundary to its confluence with the South Fork of Salmon Falls Creek. This segment of Canyon Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Canyon Creek at the South Fork of Salmon Falls Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1384 Snake Region: Bear Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Bear Creek from its origin to the point of diversion for the Jarbidge municipal water supply, near the east line of section 17, T. 46 N., R. 58 E., M.D.B. & M. Bear Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Bear Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1386 Snake Region: 76 Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as 76 Creek. 76 Creek is located in Elko County.

STANDARDS OF WATER QUALITY
76 Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1388 Snake Region: Owyhee River, East Fork above Wild Horse Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the East Fork of the Owyhee River from its origin to Wild Horse Reservoir. The East Fork of the Owyhee River is located in Elko County.

STANDARDS OF WATER QUALITY
Owyhee River, East Fork above Wild Horse Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1392 Snake Region: Deep Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Deep Creek from its origin to Wild Horse Reservoir. Deep Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Deep Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1394 Snake Region: Penrod Creek, including tributaries. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Penrod Creek from its origin, including its tributaries, to Wild Horse Reservoir. Penrod Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Penrod Creek, including tributaries

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1396 Snake Region: Hendricks Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Hendricks Creek from its origin to Wild Horse Reservoir. Hendricks Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Hendricks Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1398 Snake Region: Wild Horse Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Wild Horse Reservoir. Wild Horse Reservoir is located in Elko County.

STANDARDS OF WATER QUALITY
Wild Horse Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1402 Snake Region: Browns Gulch. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Browns Gulch from its origin to the point of diversion for the Mountain City municipal water supply, near the south line of section 24, T. 46 N., R. 53 E., M.D.B. & M. Browns Gulch is located in Elko County.

STANDARDS OF WATER QUALITY
Browns Gulch

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1404 Snake Region: Jack Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Jack Creek from its origin to its confluence with Harrington Creek. Jack Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Jack Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1406 Snake Region: Harrington Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Harrington Creek from its confluence with Jack Creek to the South Fork of the Owyhee River. Harrington Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Harrington Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1408 Snake Region: Bull Run Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Bull Run Reservoir. Bull Run Reservoir is located in Elko County.

STANDARDS OF WATER QUALITY
Bull Run Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 576				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1412 Snake Region: Wilson Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Wilson Reservoir. Wilson Reservoir is located in Elko County.

STANDARDS OF WATER QUALITY
Wilson Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1414 Snake Region: Taylor Canyon Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Taylor Canyon Creek from its origin to its confluence with the South Fork of the Owyhee River. Taylor Canyon Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Taylor Canyon Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C Maximum		S.V. May-Oct< 21 S.V.< 13 Nov-Apr			*	X							
pH - SU		S.V. 6.5 - 9.0			*	X		X					
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.1[b]			*	*	X	X					
Nitrogen Species (as N) - mg/l		Nitrate S.V.≤ 10 Nitrite S.V.≤ 0.06 Total Nitrogen[b]			X * *	 *	 X	* X 					
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 25			*			X					
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU		S.V.≤ 75						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V.≤ 500	X	X				*					
Chloride - mg/l		S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] The water must not contain nutrient concentrations from a source other than a natural source which cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R133-10, eff. 12-16-2010; A by R131-12, 12-20-2012)

NAC 445A.1416 Snake Region: Trout Creek at Goose Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Trout Creek from the Nevada-Idaho state line to its confluence with Goose Creek. This segment of Trout Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Trout Creek at Goose Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C Maximum		S.V. May-Oct< 21 S.V.< 13 Nov-Apr			*	X							
pH - SU		S.V. 6.5 - 9.0			*	X		X					
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.1[b]			*	*	X	X					
Nitrogen Species (as N) - mg/l		Nitrate S.V.≤ 10 Nitrite S.V.≤ 0.06 Total Nitrogen[b]			X * *	 *	 X	* X 					
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 25			*			X					
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU		S.V.≤ 75			*			*					
Total Dissolved Solids - mg/l		S.V.≤ 500	X	X				*					
Chloride - mg/l		S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

b The water must not contain nutrient concentrations from a source other than a natural source which cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R133-10, eff. 12-16-2010; A by R131-12, 12-20-2012)

NAC 445A.1418 Snake Region: Trout Creek at Salmon Falls Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Trout Creek from its origin to its confluence with Salmon Falls Creek. This segment of Trout Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Trout Creek at Salmon Falls Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C Maximum		S.V. May-Oct< 21 S.V.< 13 Nov-Apr			*	X							
pH - SU		S.V. 6.5 - 9.0			*	X		X					
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.1[b]			*	*	X	X					
Nitrogen Species (as N) - mg/l		Nitrate S.V.≤ 10 Nitrite S.V.≤ 0.06 Total Nitrogen[b]			X * *	 *	 X	* X 					
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 25			*			X					
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500	X	X				*					
Chloride - mg/l		S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] The water must not contain nutrient concentrations from a source other than a natural source which cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R133-10, eff. 12-16-2010; A by R131-12, 12-20-2012)

NAC 445A.1422 Snake Region: Jack Creek at Jarbidge River. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Jack Creek from its origin to its confluence with the Jarbidge River. Jack Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Jack Creek at Jarbidge River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C Maximum		S.V. May-Oct< 21 S.V.< 7 Nov-Apr			*	X							
pH - SU		S.V. 6.5 - 9.0			*	X		X					
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.1[b]			*	*	X	X					
Nitrogen Species (as N) - mg/l		Nitrate S.V.≤ 10 Nitrite S.V.≤ 0.06 Total Nitrogen[b]			X * *	 *	 X	* X 					
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 25			*			X					
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500	X	X				*					
Chloride - mg/l		S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

[b] The water must not contain nutrient concentrations from a source other than a natural source which cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R133-10, eff. 12-16-2010; A by R131-12, 12-20-2012)

NAC 445A.1432 Humboldt Region: Designated beneficial uses. (NRS 445A.425, 445A.520) The designated beneficial uses for select bodies of water within the Humboldt Region are prescribed in this section:

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Humboldt River near Osino	From the upstream source of the main stem to Osino.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1436
Humboldt River at Palisade	From Osino to the Palisade Gage.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1438
Humboldt River at Battle Mountain	From the Palisade Gage to the Battle Mountain Gage.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1442
Humboldt River at State Highway 789	From the Battle Mountain Gage to where State Highway 789 crosses the Humboldt River.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1444
Humboldt River at Imlay	From the Comus Gage to Imlay.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1446
Humboldt River at Woolsey	From Imlay to Woolsey.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1448
Humboldt River at Rodgers Dam	From Woolsey to Rodgers Dam.	X	X	X	X	X	X	X	X					NAC 445A.1452
Humboldt River at the Humboldt Sink	From Rodgers Dam to the Humboldt Sink.	X	X	X	X	X		X	X					NAC 445A.1454
The Humboldt Sink	The entire sink.	X	X	X		X		X	X					NAC 445A.1455
Humboldt River, North Fork and tributaries at the national forest boundary	From their origin in the Independence Mountain Range to the national forest boundary.	X	X	X	X	X	X	X	X					NAC 445A.1456
Humboldt River, North Fork at Beaver Creek	From the national forest boundary to its confluence with Beaver Creek.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1458
Humboldt River, North Fork at the Humboldt River	From its confluence with Beaver Creek to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X					NAC 445A.1462

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Humboldt River, South Fork at South Fork Reservoir, including tributaries above Lee	From its origin to South Fork Reservoir, including its tributaries above Lee, except for the length of the river and the lengths of its tributaries within the exterior borders of the South Fork Indian Reservation.	X	X	X	X	X	X	X	X					NAC 445A.1464
South Fork Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1465
Humboldt River, South Fork at the Humboldt River	From South Fork Reservoir to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1466
Little Humboldt River	The entire length.	X	X	X	X	X	X	X	X					NAC 445A.1468
Little Humboldt River, North Fork at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1472
Little Humboldt River, North Fork at the South Fork of the Little Humboldt River	From the national forest boundary to its confluence with the South Fork of the Little Humboldt River.	X	X	X	X	X	X	X	X					NAC 445A.1474
Little Humboldt River, South Fork at the Elko-Humboldt county line	From its origin to the Elko-Humboldt county line.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1476
Little Humboldt River, South Fork at the North Fork of the Little Humboldt River	From the Elko-Humboldt county line to its confluence with the North Fork of the Little Humboldt River.	X	X	X	X	X	X	X	X					NAC 445A.1478

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Marys River, upper	From its origin to the point where the river crosses the east line of T. 42 N., R. 59 E., M.D.B. & M.	X	X	X	X	X	X	X	X					NAC 445A.1482
Marys River at the Humboldt River	From the east line of T. 42 N., R. 59 E., M.D.B. & M., to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1484
Tabor Creek	From its origin to the east line of T. 40 N., R. 60 E., M.D.B. & M.	X	X	X	X	X	X	X	X					NAC 445A.1486
Maggie Creek Tributaries	From their origin to the point where they become Maggie Creek or the point of their confluence with Maggie Creek.	X	X	X	X	X	X	X	X					NAC 445A.1488
Maggie Creek at Jack Creek	From where it is formed by the Maggie Creek tributaries to its confluence with Jack Creek.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1492
Maggie Creek at Soap Creek	From its confluence with Jack Creek to its confluence with Soap Creek.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1494
Maggie Creek at the Humboldt River	From its confluence with Soap Creek to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X					NAC 445A.1496
Secret Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X	X	X					NAC 445A.1498

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Secret Creek at the Humboldt River	From the national forest boundary to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1502
Lamoille Creek at the gaging station	From its origin to gaging station number 10-316500, located in the NE 1/4 of section 6, T. 32 N., R. 58 E., M.D.B. & M.	X	X	X	X	X	X	X	X					NAC 445A.1504
Lamoille Creek at the Humboldt River	From gaging station number 10-316500, located in the NE 1/4 of section 6, T. 32 N., R. 58 E., M.D.B. & M., to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X					NAC 445A.1506
J.D. Ponds	The entire area.	X	X	X	X	X	X	X	X					NAC 445A.1508
Denay Creek at Tonkin Reservoir	From its origin to Tonkin Reservoir.	X	X	X	X	X	X	X	X					NAC 445A.1512
Tonkin Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X					NAC 445A.1514
Denay Creek below Tonkin Reservoir	Below Tonkin Reservoir.	X	X	X	X	X	X	X	X					NAC 445A.1516
Rock Creek at Squaw Valley Ranch	From its origin to Squaw Valley Ranch.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1518
Rock Creek below Squaw Valley Ranch	Below Squaw Valley Ranch.	X	X	X	X	X	X	X	X					NAC 445A.1522
Willow Creek at Willow Creek Reservoir	From its origin to Willow Creek Reservoir.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1524
Willow Creek Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1526
North Antelope Creek	From its origin to its confluence with Antelope Creek.	X		X	X	X		X	X					NAC 445A.1527

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Pole Creek	From its origin to the point of diversion of the Golconda water supply, near the north line of section 13, T. 35 N., R. 39 E., M.D.B. & M.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1528
Water Canyon Creek	From its origin to the point of diversion of the Winnemucca municipal water supply, near the west line of section 12, T. 35 N., R. 38 E., M.D.B. & M.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1532
Martin Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1534
Martin Creek below the national forest boundary	From the national forest boundary to the first diversion in T. 42 N., R. 40 E., M.D.B. & M.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1536
Dutch John Creek	The entire length.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1538
Huntington Creek at the White Pine-Elko county line	From its origin to the White Pine-Elko county line.	X	X	X	X	X	X	X	X					NAC 445A.1542
Huntington Creek at Smith Creek	From the White Pine-Elko county line to its confluence with Smith Creek.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1544
Huntington Creek at the South Fork of the Humboldt River	From its confluence with Smith Creek to its confluence with the South Fork of the Humboldt River.	X	X	X	X	X	X	X	X					NAC 445A.1546
Green Mountain Creek at Toyn Creek	From its origin to its confluence with Toyn Creek.	X	X	X	X	X	X	X	X					NAC 445A.1548

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Toyn Creek at Corral Creek	From its confluence with Green Mountain Creek to its confluence with Corral Creek.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1552
Toyn Creek at Green Mountain Creek	From its origin to its confluence with Green Mountain Creek.	X	X	X	X	X	X	X	X					NAC 445A.1554
Reese River at Indian Creek	From its origin to its confluence with Indian Creek, except for the length of the river within the exterior borders of the Yomba Indian Reservation.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1556
Reese River at State Route 722	From its confluence with Indian Creek to State Route 722 (old U.S. Highway 50), except for the length of the river within the exterior borders of the Yomba Indian Reservation.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1558
Reese River below State Route 722	North of State Route 722 (old U.S. Highway 50).	X	X	X	X	X	X	X	X					NAC 445A.1562
San Juan Creek	From its origin to the national forest boundary.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1564
Big Creek at the forest service campground	From its origin to the east boundary of the United States Forest Service's Big Creek Campground.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1566

Water Body Name	Segment Description	Beneficial Uses										Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Big Creek below the forest service campground	From the east boundary of the United States Forest Service's Big Creek Campground to the first diversion dam, near the west line of section 4, T. 17 N., R. 43 E., M.D.B. & M.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1568
Mill Creek	From its origin to the first point of diversion, near the south line of section 22, T. 29 N., R. 44 E., M.D.B. & M.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1572
Lewis Creek	From its origin to the first point of diversion, near the center of section 23, T. 30 N., R. 45 E., M.D.B. & M.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1574
Iowa Canyon Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1576
Starr Creek	From the confluence of Ackler and Herder Creeks to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1578

Irrigation	Irrigation
Livestock	Watering of livestock
Contact	Recreation involving contact with the water
Noncontact	Recreation not involving contact with the water
Industrial	Industrial supply
Municipal	Municipal or domestic supply, or both
Wildlife	Propagation of wildlife
Aquatic	Propagation of aquatic life
Aesthetic	Waters of extraordinary ecological or aesthetic value
Enhance	Enhancement of water quality
Marsh	Maintenance of a freshwater marsh

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R129-10, 1-13-2011; R130-12, 12-20-2012; R102-14, 10-24-2014; R103-14, 12-22-2014; R130-15, 4-4-2016)

NAC 445A.1434 Humboldt Region: Standards for select bodies of water. (NRS 445A.425, 445A.520) The standards for water quality for select bodies of water within the Humboldt Region are prescribed in NAC 445A.1434 to 445A.1578, inclusive.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R130-12, 12-20-2012)

NAC 445A.1436 Humboldt Region: Humboldt River near Osino. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Humboldt River from the upstream source of the main stem to Osino. This segment of the Humboldt River is located in Elko County.

STANDARDS OF WATER QUALITY
Humboldt River near Osino

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Warm-water fishery.										
Temperature - °C ΔT^b - °C	ΔT= 0	ΔT≤ 2			*	X							
pH - SU	7.0 - A-Avg.8.3 S.V.7.0 - 8.5	S.V.6.5 - 9.0 ΔpH ±0.5	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		Apr-Nov Seasonal≤ 0.1 Avg.			*	X	X	X					
Nitrogen species (as N) - mg/l	Total Nitrogen A-Avg.≤ 1.5 S.V. Apr-Nov≤ 2.4	Nitrate≤ 10 S.V.≤ 1.0 Nitrite S.V.	X	X	X			*		X			
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		Annual Median≤ 80[d]			*								
Turbidity - NTU		S.V.≤ 50			*			X					
Color - PCU	e	No Adverse Effects						*					
Total Dissolved Solids - mg/l	A-Avg.≤ 370 S.V.≤ 385	A-Avg.≤ 500	X	X				*					
Chloride - mg/l	A-Avg.≤ 22 S.V.≤ 25	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					
Sodium - SAR		A-Avg.≤ 8		*				X					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml	A.G.M.≤ 75 S.V.≤ 200	S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d The maximum allowable point source discharge is S.V. ≤ 80 mg/l of suspended solids.

e Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1438 Humboldt Region: Humboldt River at Palisade. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Humboldt River from Osino to the Palisade Gage. This segment of the Humboldt River is located in Elko and Eureka Counties.

STANDARDS OF WATER QUALITY
Humboldt River at Palisade

	REQUIREMENTS	WATER QUALITY	Beneficial Use[a]

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Warm-water fishery.										
Temperature - °C ΔT[b] - °C	ΔT= 0	ΔT≤ 2			*	X							
pH - SU	A-Avg.7.0 - 8.5 S.V.7.0 - 8.6	S.V. 6.5 - 9.0 ΔpH ± 0.5	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		Apr-Nov Seasonal≤ 0.1 Avg.			*	X	X	X					
Nitrogen species (as N) - mg/l	Total Nitrogen A-Avg.≤ 1.4 S.V.≤ 2.4 Apr-Nov	Nitrate S.V.≤ 10 Nitrite≤ 1.0 S.V.	X	X	X			*		X			
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		Annual Median≤ 80[d]			*								
Turbidity - NTU		S.V.≤ 50			*			X					
Color - PCU	e	No Adverse Effects						*					
Total Dissolved Solids - mg/l	A-Avg.≤ 350 S.V.≤ 400	A-Avg.≤ 500	X	X				*					
Chloride - mg/l	A-Avg.≤ 21 S.V.≤ 30	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					
Sodium - SAR		A-Avg.≤ 8		*				X					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml	A.G.M.≤ 20 S.V.≤ 150	S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d The maximum allowable point source discharge is S.V. ≤ 80 mg/l of suspended solids.

e Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1442 Humboldt Region: Humboldt River at Battle Mountain. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Humboldt River from the Palisade Gage to the Battle Mountain Gage. This segment of the Humboldt River is located in Eureka and Lander Counties.

STANDARDS OF WATER QUALITY
Humboldt River at Battle Mountain

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Warm-water fishery.										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT^b - °C	$\Delta T = 0$	$\Delta T \leq 2$			*	X							
pH - SU	A-Avg.7.0 - 8.4 S.V.7.0 - 8.6	S.V. 6.5 - 9.0 $\Delta pH \pm 0.5$	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. $\geq$ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		Apr-Nov Seasonal $\leq$ 0.1 Avg.			*	X	X	X					
Nitrogen species (as N) - mg/l	Total Nitrogen A-Avg. $\leq$ 1.9 S.V. Apr-Nov $\leq$ 4.0	Nitrate S.V. $\leq$ 10 Nitrite $\leq$ 1.0 S.V.	X	X	X			*		X			
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		Annual Median $\leq$ 80[d]			*								
Turbidity - NTU		S.V. $\leq$ 50			*			X					
Color - PCU	e	No Adverse Effects						*					
Total Dissolved Solids - mg/l	A-Avg. $\leq$ 425 S.V. $\leq$ 520	A-Avg. $\leq$ 500	X	X				*					
Chloride - mg/l	A-Avg. $\leq$ 50 S.V. $\leq$ 70	S.V. $\leq$ 250	X	X				*		X			
Sulfate - mg/l		S.V. $\leq$ 250						*					
Sodium - SAR		A-Avg. $\leq$ 8		*				X					
E. coli - No./100 ml		A.G.M. $\leq$ 126 S.V. $\leq$ 410				*	X						
Fecal Coliform -No./100 ml	A.G.M. $\leq$ 50 S.V. $\leq$ 200	S.V. $\leq$ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d The maximum allowable point source discharge is S.V. $\leq$ 80 mg/l of suspended solids.

e Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1444 Humboldt Region: Humboldt River at State Highway 789. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Humboldt River from the Battle Mountain Gage to where State Highway 789 crosses the Humboldt River. This segment of the Humboldt River is located in Humboldt and Lander Counties.

STANDARDS OF WATER QUALITY
Humboldt River at State Highway 789

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Warm-water fishery.										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT^b - °C	$\Delta T = 0$	$\Delta T \leq 2$			*	X							
pH - SU	A-Avg.7.0 - 8.5 S.V.7.0 - 8.7	S.V. 6.5 - 9.0 $\Delta pH \pm 0.5$	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		Apr-Nov Seasonal≤ 0.1 Avg.			*	X	X	X					
Nitrogen species (as N) - mg/l	Total Nitrogen A-Avg.≤ 2.9 S.V. Apr-Nov≤ 3.7	Nitrate S.V.≤ 10 Nitrite≤ 1.0 S.V.	X	X	X			*		X			
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		Annual Median≤ 80[d]			*								
Turbidity - NTU		S.V.≤ 50			*			X					
Color - PCU	e	No Adverse Effects						*					
Total Dissolved Solids - mg/l	A-Avg.≤ 500 S.V.≤ 560	A-Avg.≤ 500	X	X				*					
Chloride - mg/l	A-Avg.≤ 60 S.V.≤ 110	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					
Sodium - SAR		A-Avg.≤ 8		*				X					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml	A.G.M.≤ 40 S.V.≤ 100	S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d The maximum allowable point source discharge is S.V. ≤ 80 mg/l of suspended solids.

e Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1446 Humboldt Region: Humboldt River at Imlay. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Humboldt River from the Comus Gage to Imlay. This segment of the Humboldt River is located in Humboldt and Pershing Counties.

STANDARDS OF WATER QUALITY
Humboldt River at Imlay

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Warm-water fishery.										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT^b - °C	$\Delta T = 0$	$\Delta T \leq 2$			*	X							
pH - SU	A-Avg.7.0 - 8.5 S.V.7.0 - 8.7	S.V. 6.5 - 9.0 $\Delta pH \pm 0.5$	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. $\geq$ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		Apr-Nov Seasonal $\leq$ 0.1 Avg.			*	X	X	X					
Nitrogen species (as N) - mg/l	Total Nitrogen A-Avg. $\leq$ 2.4 S.V. $\leq$ 2.9 Apr-Nov	Nitrate S.V. $\leq$ 10 Nitrite $\leq$ 1.0 S.V.	X	X	X			*		X			
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		Annual Median $\leq$ 80[d]			*								
Turbidity - NTU		S.V. $\leq$ 50			*			X					
Color - PCU	e	No Adverse Effects						*					
Total Dissolved Solids - mg/l	S.V. $\leq$ 590	A-Avg. $\leq$ 500	X	X				*					
Chloride - mg/l	A-Avg. $\leq$ 70 S.V. $\leq$ 85	S.V. $\leq$ 250	X	X				*		X			
Sulfate - mg/l		S.V. $\leq$ 250						*					
Sodium - SAR		A-Avg. $\leq$ 8		*				X					
E. coli - No./100 ml		A.G.M. $\leq$ 126 S.V. $\leq$ 410				*	X						
Fecal Coliform -No./100 ml	A.G.M. $\leq$ 30 S.V. $\leq$ 150	S.V. $\leq$ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d The maximum allowable point source discharge is S.V. $\leq$ 80 mg/l of suspended solids.

e Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1448 Humboldt Region: Humboldt River at Woolsey. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Humboldt River from Imlay to Woolsey. This segment of the Humboldt River is located in Pershing County.

STANDARDS OF WATER QUALITY
Humboldt River at Woolsey

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Warm-water fishery.										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT^b - °C	ΔT= 0	~~ΔT~~≤ 2			*	X							
pH - SU	A-Avg.7.0 - 8.9 S.V.7.0 - 9.0	S.V. 6.5 - 9.0 Δ pH ± 0.5	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		Apr-Nov Seasonal Avg.≤ 0.1			*	X	X	X					
Nitrogen species (as N) - mg/l		Nitrate S.V.≤ 10 Nitrite≤ 1.0 S.V.	X	X	X			*		X			
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		Annual Median≤ 80[d]			*								
Turbidity - NTU		S.V.≤ 50			*			X					
Color - PCU	e	No Adverse Effects						*					
Total Dissolved Solids - mg/l	A-Avg.≤ 600 S.V.≤ 700	A-Avg.≤ 1000	X	X				*					
Chloride - mg/l	A-Avg.≤ 130 S.V.≤ 175	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					
Sodium - SAR		A-Avg.≤ 8		*				X					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 235				*	X						
Fecal Coliform -No./100 ml	A.G.M.≤ 100 S.V.≤ 200	S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d The maximum allowable point source discharge is S.V. ≤ 80 mg/l of suspended solids.

e Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1452 Humboldt Region: Humboldt River at Rodgers Dam. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Humboldt River from Woolsey to Rodgers Dam. This segment of the Humboldt River is located in Pershing County.

STANDARDS OF WATER QUALITY
Humboldt River at Rodgers Dam

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 34 ΔT≤ 3			*	X							

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.33			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 1.0	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 50			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1454 Humboldt Region: Humboldt River at the Humboldt Sink. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Humboldt River from Rodgers Dam to the Humboldt Sink. This segment of the Humboldt River is located in Churchill and Pershing Counties.

STANDARDS OF WATER QUALITY
Humboldt River at the Humboldt Sink

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X		X	X			
Aquatic Life Species of Concern													
pH - SU		S.V.6.0 - 9.0	X	X	*	X			X	*			
Dissolved Oxygen - mg/l		S.V.≥ 3.0	X		*	X	X			X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Nitrite (as N) - mg/l		S.V.≤ 10	X		*					X			
Total Ammonia (as N) - mg/l		b			*								
Total Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 50			*								
Chloride - mg/l		1-hr Avg.≤ 860[c] 96-hr≤ 230 Avg.	X		*					X			
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.576				*	X						

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

[b] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

[c] One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R129-10, 1-13-2011; R130-15, 4-4-2016)

NAC 445A.1455 Humboldt Region: The Humboldt Sink. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Humboldt Sink. The Humboldt Sink is located in Churchill and Pershing Counties.

STANDARDS OF WATER QUALITY
The Humboldt Sink

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X		X		X	X			
Aquatic Life Species of Concern													
pH - SU		S.V. 6.0 - 9.0	X	X	*				X	*			
Dissolved Oxygen - mg/l		S.V.≥ 3.0	X		*		X			X			
Total Ammonia (as N) - mg/l		b			*								
E. coli - No./100 ml		A.G.M.≤ 630					*						

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

[b] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R129-10, eff. 1-13-2011)

NAC 445A.1456 Humboldt Region: Humboldt River, North Fork and tributaries at the national forest boundary. (NRS 445A.425, 445A.520) The limits of this table apply to the bodies of water known as the North Fork of the Humboldt River and its tributaries in the Independence Mountain Range from their origin to the national forest boundary. This segment of the North Fork of the Humboldt River and tributaries is located in Elko County.

STANDARDS OF WATER QUALITY

Humboldt River, North Fork and tributaries at the national forest boundary

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1458 Humboldt Region: Humboldt River, North Fork at Beaver Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the North Fork of the Humboldt River from the national forest boundary to its confluence with Beaver Creek. This segment of the North Fork of the Humboldt River is located in Elko County.

STANDARDS OF WATER QUALITY
Humboldt River, North Fork at Beaver Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			

Aquatic Life Species of Concern		WATER	Trout.										
Temperature - °C	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	QUALITY S.V.≤ 20	Beneficial Use[a]										
PARAMETER ΔT[b] - °C		STANDARDS ΔT= 0	Livestock	Irrigation	* Aquatic	X Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
pH - SU		FOR BENEFICIAL S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		USES S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1462 Humboldt Region: Humboldt River, North Fork at the Humboldt River. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the North Fork of the Humboldt River from its confluence with Beaver Creek to its confluence with the Humboldt River. This segment of the North Fork of the Humboldt River is located in Elko County.

STANDARDS OF WATER QUALITY
Humboldt River, North Fork at the Humboldt River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 24 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 1.0	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 50			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		≤ 500 or S.V.the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1464 Humboldt Region: Humboldt River, South Fork at South Fork Reservoir, including tributaries above Lee. (NRS 445A.425, 445A.520) The limits of this table apply to the bodies of water known as the South Fork of the Humboldt River from its origin to South Fork Reservoir, including its tributaries above Lee, except for the length of the river and the lengths of its tributaries within the exterior borders of the South Fork Indian Reservation. This segment of the South Fork of the Humboldt River and its tributaries are located in Elko County.

STANDARDS OF WATER QUALITY
Humboldt River, South Fork at South Fork Reservoir, including tributaries above Lee

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R093-13, 12-23-2013; R102-14, 10-24-2014; R103-14, 12-22-2014)

NAC 445A.1465 Humboldt Region: South Fork Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as South Fork Reservoir. South Fork Reservoir is located in Elko County.

STANDARDS OF WATER QUALITY
South Fork Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0[c]	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		Avg.≤ 0.04[d] Jun-Sep			*	*	X	X					
Total Nitrogen (as N) - mg/l		Avg.≤ 0.52[d] Jun-Sep			*	*	X	X					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Chlorophyll a - µg/l		Avg. Jun-Sep ≤ 10[d]			*	*	X	X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Secchi Depth - meters		Avg. Jun-Sep ≥ 4.0			X	*	X	X					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less)	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[f] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c When reservoir is stratified, the dissolved oxygen criterion applies only to the epilimnion.

d June-September average for the entire reservoir within the upper meter of the water column. These nutrient criteria are considered attained if:
1 The chlorophyll a criterion is met regardless of the level of total phosphorus or total nitrogen; or
2 If chlorophyll a data are not available, both the total phosphorus and total nitrogen criteria are met.

e The ambient water quality criteria for ammonia are specified in NAC 445A.118.

f One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R103-14, eff. 12-22-2014)

NAC 445A.1466 Humboldt Region: Humboldt River, South Fork at the Humboldt River. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the South Fork of the Humboldt River from South Fork Reservoir to its confluence with the Humboldt River. This segment of the South Fork of the Humboldt River is located in Elko County.

STANDARDS OF WATER QUALITY
Humboldt River, South Fork at the Humboldt River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R093-13, 12-23-2013; R102-14, 10-24-2014; R103-14, 12-22-2014)

NAC 445A.1468 Humboldt Region: Little Humboldt River. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as the Little Humboldt River. The Little Humboldt River is located in Humboldt County.

STANDARDS OF WATER QUALITY
Little Humboldt River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT[b] - °C		S.V.≤ 34 ΔT≤ 3			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.33			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 1.0	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 50			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1472 Humboldt Region: Little Humboldt River, North Fork at the national forest boundary. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the North Fork of the Little Humboldt River from its origin to the national forest boundary. This segment of the North Fork of the Little Humboldt River is located in Humboldt County.

STANDARDS OF WATER QUALITY
Little Humboldt River, North Fork at the national forest boundary

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1474 Humboldt Region: Little Humboldt River, North Fork at the South Fork of the Little Humboldt River. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the North Fork of the Little Humboldt River from the national forest boundary to its confluence with the South Fork of the Little Humboldt River. This segment of the North Fork of the Little Humboldt River is located in Humboldt County.

STANDARDS OF WATER QUALITY
Little Humboldt River, North Fork at the South Fork of the Little Humboldt River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT[b] - °C		S.V.≤ 24 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 1.0	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 50			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1476 Humboldt Region: Little Humboldt River, South Fork at the Elko-Humboldt county line. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the South Fork of the Little Humboldt River from its origin to the Elko-Humboldt county line. This segment of the South Fork of the Little Humboldt River is located in Elko County.

STANDARDS OF WATER QUALITY
Little Humboldt River, South Fork at the Elko-Humboldt county line

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1478 Humboldt Region: Little Humboldt River, South Fork at the North Fork of the Little Humboldt River. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the South Fork of the Little Humboldt River from the Elko-Humboldt county line to its confluence with the North Fork of the Little Humboldt River. This segment of the South Fork of the Little Humboldt River is located in Humboldt County.

STANDARDS OF WATER QUALITY
Little Humboldt River, South Fork at the North Fork of the Little Humboldt River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT[b] - °C		S.V.≤ 24 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 1.0	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 50			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1482 Humboldt Region: Marys River, upper. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Marys River from its origin to the point where the River crosses the east line of T. 42 N., R. 59 E., M.D.B. & M. This segment of Marys River is located in Elko County.

STANDARDS OF WATER QUALITY
Marys River, upper

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1484 Humboldt Region: Marys River at the Humboldt River. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Marys River from the east line of T. 42 N., R. 59 E., M.D.B. & M., to its confluence with the Humboldt River. This segment of Marys River is located in Elko County.

STANDARDS OF WATER QUALITY
Marys River at the Humboldt River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1486 Humboldt Region: Tabor Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Tabor Creek from its origin to the east line of T. 40 N., R. 60 E., M.D.B. & M. Tabor Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Tabor Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1488 Humboldt Region: Maggie Creek Tributaries. (NRS 445A.425, 445A.520) The limits of this table apply to the bodies of water known as the Maggie Creek Tributaries from their origin to the point where they become Maggie Creek or the point of their confluence with Maggie Creek. The Maggie Creek Tributaries are located in Elko County.

STANDARDS OF WATER QUALITY
Maggie Creek Tributaries

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1492 Humboldt Region: Maggie Creek at Jack Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Maggie Creek from where it is formed by the Maggie Creek Tributaries to its confluence with Jack Creek. This segment of Maggie Creek is located in Elko and Eureka Counties.

STANDARDS OF WATER QUALITY
Maggie Creek at Jack Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1494 Humboldt Region: Maggie Creek at Soap Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Maggie Creek from its confluence with Jack Creek to its confluence with Soap Creek. This segment of Maggie Creek is located in Eureka County.

STANDARDS OF WATER QUALITY
Maggie Creek at Soap Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT≤ 3			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.33			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1496 Humboldt Region: Maggie Creek at the Humboldt River. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Maggie Creek from its confluence with Soap Creek to its confluence with the Humboldt River. This segment of Maggie Creek is located in Elko and Eureka Counties.

STANDARDS OF WATER QUALITY
Maggie Creek at the Humboldt River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT[b] - °C		S.V.≤ 34 ΔT≤ 3			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.33			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 1.0	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 50			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1498 Humboldt Region: Secret Creek at the national forest boundary. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Secret Creek from its origin to the national forest boundary. This segment of Secret Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Secret Creek at the national forest boundary

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1502 Humboldt Region: Secret Creek at the Humboldt River. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Secret Creek from the national forest boundary to its confluence with the Humboldt River. This segment of Secret Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Secret Creek at the Humboldt River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1504 Humboldt Region: Lamoille Creek at the gaging station. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Lamoille Creek from its origin to gaging station number 10-316500, located in the NE 1/4 of section 6, T. 32 N., R. 58 E., M.D.B. & M. This segment of Lamoille Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Lamoille Creek at the gaging station

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1506 Humboldt Region: Lamoille Creek at the Humboldt River. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Lamoille Creek from gaging station number 10-316500, located in the NE 1/4 of section 6, T. 32 N., R. 58 E., M.D.B. & M., to its confluence with the Humboldt River. This segment of Lamoille Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Lamoille Creek at the Humboldt River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT[b] - °C		S.V.≤ 24 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 1.0	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 50			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1508 Humboldt Region: J.D. Ponds. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as J.D. Ponds. J.D. Ponds is located in Eureka County.

STANDARDS OF WATER QUALITY
J.D. Ponds

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT^b - °C		S.V.≤ 34 ΔT≤ 3			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.33			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 1.0	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 50			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1512 Humboldt Region: Denay Creek at Tonkin Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Denay Creek from its origin to Tonkin Reservoir. This segment of Denay Creek is located in Eureka County.

STANDARDS OF WATER QUALITY
Denay Creek at Tonkin Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1514 Humboldt Region: Tonkin Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Tonkin Reservoir. Tonkin Reservoir is located in Eureka County.

STANDARDS OF WATER QUALITY
Tonkin Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Phosphorus (as P) - mg/l		S.V.≤ 0.025			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1516 Humboldt Region: Denay Creek below Tonkin Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Denay Creek below Tonkin Reservoir. This segment of Denay Creek is located in Eureka County.

STANDARDS OF WATER QUALITY
Denay Creek below Tonkin Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 24 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 1.0	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 50			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1518 Humboldt Region: Rock Creek at Squaw Valley Ranch. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Rock Creek from its origin to Squaw Valley Ranch. This segment of Rock Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Rock Creek at Squaw Valley Ranch

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1522 Humboldt Region: Rock Creek below Squaw Valley Ranch. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Rock Creek below Squaw Valley Ranch. This segment of Rock Creek is located in Elko, Eureka and Lander Counties.

STANDARDS OF WATER QUALITY
Rock Creek below Squaw Valley Ranch

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature °C ΔT^b - °C		S.V.≤ 34 ΔT≤ 3			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Phosphorus (as P) - mg/l		S.V.≤ 0.33			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 1.0	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 50			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1524 Humboldt Region: Willow Creek at Willow Creek Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Willow Creek from its origin to Willow Creek Reservoir. Willow Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Willow Creek at Willow Creek Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1526 Humboldt Region: Willow Creek Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Willow Creek Reservoir. Willow Creek Reservoir is located in Elko County.

STANDARDS OF WATER QUALITY
Willow Creek Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1527 Humboldt Region: North Antelope Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as North Antelope Creek from its origin to its confluence with Antelope Creek. This segment of North Antelope Creek is located in Elko County.

STANDARDS OF WATER QUALITY
North Antelope Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X		X	X	X		X	X			
Aquatic Life Species of Concern													
Temperature - °C		S.V.≤ 34.0			*	X							
pH - SU		S.V.6.5 - 9.0	X		*	*			X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X			X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.1[b]			*	*	X						
		Nitrate[b]	X		*					X			
		Nitrite[b]	X		*					X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Nitrogen Species (as N) - mg/l		Total Nitrogen[b]			*	X	X			X			
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 50			*								
Total Dissolved Solids - mg/l		S.V.≤ 3000	*										
Chloride - mg/l		1-hr. Avg.≤ 860[d] 96-hr.≤ 230 Avg.	X		*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 576				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X				X			*			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b The water must not contain nutrient concentrations from a source other than a natural source which cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R130-12, eff. 12-20-2012)

NAC 445A.1528 Humboldt Region: Pole Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Pole Creek from its origin to the point of diversion of the Golconda water supply, near the north line of section 13, T. 35 N., R. 39 E., M.D.B. & M. Pole Creek is located in Humboldt County.

STANDARDS OF WATER QUALITY
Pole Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1532 Humboldt Region: Water Canyon Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Water Canyon Creek from its origin to the point of diversion of the Winnemucca municipal water supply, near the west line of section 12, T. 35 N., R. 38 E., M.D.B. & M. Water Canyon Creek is located in Humboldt County.

STANDARDS OF WATER QUALITY
Water Canyon Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1534 Humboldt Region: Martin Creek at the national forest boundary. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Martin Creek from its origin to the national forest boundary. This segment of Martin Creek is located in Humboldt County.

STANDARDS OF WATER QUALITY
Martin Creek at the national forest boundary

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1536 Humboldt Region: Martin Creek below the national forest boundary. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Martin Creek from the national forest boundary to the first diversion in T. 42 N., R. 40 E., M.D.B. & M. This segment of Martin Creek is located in Humboldt County.

STANDARDS OF WATER QUALITY
Martin Creek below the national forest boundary

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1538 Humboldt Region: Dutch John Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Dutch John Creek. Dutch John Creek is located in Humboldt County.

STANDARDS OF WATER QUALITY
Dutch John Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1542 Humboldt Region: Huntington Creek at the White Pine-Elko county line. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Huntington Creek from its origin to the White Pine-Elko county line. This segment of Huntington Creek is located in White Pine County.

STANDARDS OF WATER QUALITY
Huntington Creek at the White Pine-Elko county line

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1544 Humboldt Region: Huntington Creek at Smith Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Huntington Creek from the White Pine-Elko county line to its confluence with Smith Creek. This segment of Huntington Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Huntington Creek at Smith Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1546 Humboldt Region: Huntington Creek at the South Fork of the Humboldt River. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Huntington Creek from its confluence with Smith Creek to its confluence with the South Fork of the Humboldt River. This segment of Huntington Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Huntington Creek at the South Fork of the Humboldt River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 24 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 1.0	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 50			*								
Color - PCU		S.V.≤ 75						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1548 Humboldt Region: Green Mountain Creek at Toyn Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Green Mountain Creek from its origin to its confluence with Toyn Creek. Green Mountain Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Green Mountain Creek at Toyn Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1552 Humboldt Region: Toyn Creek at Corral Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Toyn Creek from its confluence with Green Mountain Creek to its confluence with Corral Creek. This segment of Toyn Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Toyn Creek at Corral Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1554 Humboldt Region: Toyn Creek at Green Mountain Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Toyn Creek from its origin to its confluence with Green Mountain Creek. This segment of Toyn Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Toyn Creek at Green Mountain Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		≤ 500 or S.V. the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1556 Humboldt Region: Reese River at Indian Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Reese River from its origin to its confluence with Indian Creek, except for the length of the river within the exterior borders of the Yomba Indian Reservation. This segment of the Reese River is located in Nye County.

STANDARDS OF WATER QUALITY
Reese River at Indian Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R093-13, 12-23-2013; R130-15, 4-4-2016)

NAC 445A.1558 Humboldt Region: Reese River at State Route 722. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Reese River from its confluence with Indian Creek to State Route 722 (old U.S. Highway 50), except for the length of the river within the exterior borders of the Yomba Indian Reservation. This segment of the Reese River is located in Lander and Nye Counties.

STANDARDS OF WATER QUALITY
Reese River at State Route 722

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R093-13, 12-23-2013; R130-15, 4-4-2016)

NAC 445A.1562 Humboldt Region: Reese River below State Route 722. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Reese River north of State Route 722 (old U.S. Highway 50). This segment of the Reese River is located in Lander County.

STANDARDS OF WATER QUALITY
Reese River below State Route 722

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 34 $\Delta T \leq 3$			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.33			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 1.0	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 50			*								
Color - PCU		S.V.≤ 75						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1564 Humboldt Region: San Juan Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as San Juan Creek from its origin to the national forest boundary. San Juan Creek is located in Nye County.

STANDARDS OF WATER QUALITY
San Juan Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1566 Humboldt Region: Big Creek at the forest service campground. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Big Creek from its origin to the east boundary of the United States Forest Service's Big Creek Campground. This segment of Big Creek is located in Lander County.

STANDARDS OF WATER QUALITY
Big Creek at the forest service campground

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

[d] One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1568 Humboldt Region: Big Creek below the forest service campground. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Big Creek from the east boundary of the United States Forest Service's Big Creek Campground to the first diversion dam, near the west line of section 4, T. 17 N., R. 43 E., M.D.B. & M. This segment of Big Creek is located in Lander County.

STANDARDS OF WATER QUALITY
Big Creek below the forest service campground

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1572 Humboldt Region: Mill Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Mill Creek from its origin to the first point of diversion, near the south line of section 22, T. 29 N., R. 44 E., M.D.B. & M. Mill Creek is located in Lander County.

STANDARDS OF WATER QUALITY
Mill Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
E. coli - No./100 ml	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

[d] One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1574 Humboldt Region: Lewis Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Lewis Creek from its origin to the first point of diversion, near the center of section 23, T. 30 N., R. 45 E., M.D.B. & M. Lewis Creek is located in Lander County.

STANDARDS OF WATER QUALITY
Lewis Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

[d] One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R130-15, 4-4-2016)

NAC 445A.1576 Humboldt Region: Iowa Canyon Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Iowa Canyon Reservoir. Iowa Canyon Reservoir is located in Lander County.

STANDARDS OF WATER QUALITY
Iowa Canyon Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1578 Humboldt Region: Starr Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Starr Creek from the confluence of Ackler and Herder Creeks to the Humboldt River. Starr Creek is located in Elko County.

STANDARDS OF WATER QUALITY
Starr Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V.≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S.V.≤ 0.06	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
Alkalinity (as $CaCO_3$) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-14, 10-24-2014)

NAC 445A.1612 West Central Region: No designated beneficial uses. (NRS 445A.425, 445A.520) There are no designated beneficial uses for select bodies of water within the West Central Region.
(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1614 West Central Region: No designated standards. (NRS 445A.425, 445A.520) There are no designated standards for water quality for select bodies of water within the West Central Region.
(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1622 Truckee Region: Designated beneficial uses. (NRS 445A.425, 445A.520) The designated beneficial uses for select bodies of water within the Truckee Region are prescribed in this section:

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		

Lake Tahoe	Existing sampling points.	X	X	X	X	X	X	X	X	X			Cold-water fishery	NAC 445A.1626
Lake Tahoe Tributaries	All tributaries to Lake Tahoe located in Nevada and which are not included in NAC 445A.1632 to 445A.1666, inclusive.	X	X	X	X	X	X	X	X		X		Cold-water fishery	NAC 445A.1628
Incline Creek, East Fork at the ski resort	From its origin to the ski resort.	X	X	X	X	X	X	X	X		X		Cold-water fishery	NAC 445A.1632
Incline Creek, West Fork at State Highway 431	From its origin to State Highway 431.	X	X	X	X	X	X	X	X		X		Cold-water fishery	NAC 445A.1634
Incline Creek, East Fork; Incline Creek, West Fork; and Incline Creek	The East Fork of Incline Creek from the ski resort to the West Fork of Incline Creek, the West Fork of Incline Creek from State Highway 431 to the East Fork of Incline Creek, and Incline Creek from the confluence of the East and West Forks of Incline Creek to Lake Tahoe.	X	X	X	X	X	X	X	X		X		Cold-water fishery	NAC 445A.1636
Third Creek, East Fork at State Highway 431	From its origin to State Highway 431.	X	X	X	X	X	X	X	X		X		Cold-water fishery	NAC 445A.1638

Third Creek, East Fork; Third Creek, West Fork; and Third Creek	The East Fork of Third Creek from State Highway 431 to the West Fork of Third Creek, the West Fork of Third Creek from its origin to the East Fork of Third Creek, and Third Creek from the confluence of the East and West Forks of Third Creek to Lake Tahoe.	X	X	X	X	X	X	X	X		X		Cold-water fishery	NAC 445A.1642
Wood Creek	From its origin to its confluence with Lake Tahoe.	X	X	X	X	X	X	X	X		X		Cold-water fishery	NAC 445A.1644
Second Creek at Second Creek Drive	From its origin to Second Creek Drive.	X	X	X	X	X	X	X	X		X		Cold-water fishery	NAC 445A.1646
Second Creek at Lakeshore Drive	From Second Creek Drive to its confluence with Lake Tahoe.	X	X	X	X	X	X	X	X		X		Cold-water fishery	NAC 445A.1648
First Creek at Dale and Knotty Pine Drives	From its origin to Dale and Knotty Pine Drives.	X	X	X	X	X	X	X	X		X		Cold-water fishery	NAC 445A.1652
First Creek at Lakeshore Drive	From Dale and Knotty Pine Drives to its confluence with Lake Tahoe.	X	X	X	X	X	X	X	X		X		Cold-water fishery	NAC 445A.1654
Glenbrook Creek	From its origin to its confluence with Lake Tahoe.	X	X	X	X	X	X	X	X		X		Cold-water fishery	NAC 445A.1656
Logan House Creek	From its origin to its confluence with Lake Tahoe.	X	X	X	X	X	X	X	X		X		Cold-water fishery	NAC 445A.1658
Eagle Rock Creek	From its origin to its confluence with Edgewood Creek.	X	X	X	X	X	X	X	X		X		Cold-water fishery	NAC 445A.1662

Edgewood Creek at Palisades Drive	From its origin to 50 feet downstream from the culvert at Palisades Drive.	X	X	X	X	X	X	X	X		X		Cold-water fishery	NAC 445A.1664
Edgewood Creek at Stateline	From 50 feet downstream from the culvert at Palisades Drive to its confluence with Lake Tahoe.	X	X	X	X	X	X	X	X		X		Cold-water fishery	NAC 445A.1666
Truckee River at the state line	At the California-Nevada state line.	X	X	X	X	X	X	X	X				All life stages of mountain whitefish, rainbow trout and brown trout	NAC 445A.1682
Truckee River at Idlewild	From the California-Nevada state line to Idlewild.	X	X	X	X	X	X	X	X				All life stages of mountain whitefish, rainbow trout and brown trout	NAC 445A.1684
Truckee River at East McCarran	From Idlewild to the East McCarran Boulevard Bridge.	X	X	X	X	X	X	X	X				All life stages of mountain whitefish, rainbow trout and brown trout	NAC 445A.1686
Truckee River at Lockwood Bridge	From the East McCarran Boulevard Bridge to the Lockwood Bridge.	X	X	X	X	X	X	X	X				Juvenile and adult rainbow trout and brown trout	NAC 445A.1688
Truckee River at Derby Dam	From the Lockwood Bridge to Derby Dam.	X	X	X	X	X	X	X	X				Juvenile and adult rainbow trout and brown trout. However, the species which are sensitive to temperature are expected to seek a cooler microhabitat during July and August	NAC 445A.1692

Truckee River at the Pyramid Lake Paiute Reservation	From Derby Dam to the exterior border of the Pyramid Lake Paiute Reservation.	X	X	X	X	X	X	X	X				Early spawning Lahontan cutthroat trout and their incubation, larvae, juveniles and migration, from May through June, depending on hydrologic conditions	NAC 445A.1694
Bronco Creek	From its origin to the California-Nevada state line.	X	X	X	X	X	X	X	X					NAC 445A.1698
Gray Creek	From its origin to the California-Nevada state line.	X	X	X	X	X	X	X	X					NAC 445A.1702
Hunter Creek at Hunter Lake	From its origin to Hunter Lake.	X	X	X	X	X	X		X					NAC 445A.1704
Hunter Lake	The entire lake.	X	X	X	X	X	X		X					NAC 445A.1706
Hunter Creek at the Truckee River	From Hunter Lake to its confluence with the Truckee River.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1708
Washoe Lakes	The entire lakes.	X	X	X	X	X	X	X	X					NAC 445A.1722
Steamboat Creek at the gaging station	From Little Washoe Lake to gaging station number 10-349300, located in the S 1/2 of section 33, T. 18 N., R. 20 E., M.D.B. & M.	X	X	X	X	X	X	X	X					NAC 445A.1724
Steamboat Creek at the Truckee River	From gaging station number 10-349300, located in the S 1/2 of section 33, T. 18 N., R. 20 E., M.D.B. & M., to its confluence with the Truckee River.	X	X	X	X	X		X	X					NAC 445A.1726

Franktown Creek, upper	From its origin to the first irrigation diversion, near the north line of section 9, T. 16 N., R. 19 E., M.D.B. & M.	X	X	X	X	X	X		X					NAC 445A.1728
Franktown Creek at Washoe Lake	From the first irrigation diversion, near the north line of section 9, T. 16 N., R. 19 E., M.D.B. & M., to Washoe Lake.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1732
Hobart Reservoir and tributaries	The entire system.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1734
Ophir Creek at State Route 429	From its origin to State Route 429 (old U.S. Highway 395).	X	X	X	X	X	X		X					NAC 445A.1736
Ophir Creek at Washoe Lake	From State Route 429 (old U.S. Highway 395) to Washoe Lake.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1738
Price Lakes	The entire lakes.	X	X	X	X	X	X		X					NAC 445A.1742
Davis Lake	The entire lake.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1744
Galena Creek, upper	From its origin to the east line of section 18, T. 17 N., R. 19 E., M.D.B. & M.	X	X	X	X	X	X		X					NAC 445A.1746
Galena Creek, middle	From the east line of section 18, T. 17 N., R. 19 E., M.D.B. & M., to gaging station number 10-348900 located in the SW 1/4 of the SW 1/4 of section 2, T. 17 N., R. 19 E., M.D.B. & M.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1748

Galena Creek at Steamboat Creek	From gaging station number 10-348900, located in the SW 1/4 of the SW 1/4 of section 2, T. 17 N., R. 19 E., M.D.B. & M., to its confluence with Steamboat Creek.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1752
Whites Creek, upper	From its origin to the east line of section 33, T. 18 N., R. 19 E., M.D.B. & M.	X	X	X	X	X	X		X					NAC 445A.1754
Whites Creek at Steamboat Ditch	Below the east line of section 33, T. 18 N., R. 19 E., M.D.B. & M., to Steamboat Ditch.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1756
Whites Creek at Steamboat Creek	Below Steamboat Ditch.	X	X	X	X	X	X	X	X					NAC 445A.1758
Lagomarsino Creek	The entire length; also known as Long Valley Creek.	X	X	X	X	X		X	X					NAC 445A.1762
Tracy Pond	The entire area.	X	X	X	X	X	X	X	X					NAC 445A.1764

Irrigation	Irrigation
Livestock	Watering of livestock
Contact	Recreation involving contact with the water
Noncontact	Recreation not involving contact with the water
Industrial	Industrial supply
Municipal	Municipal or domestic supply, or both
Wildlife	Propagation of wildlife
Aquatic	Propagation of aquatic life
Aesthetic	Waters of extraordinary ecological or aesthetic value
Enhance	Enhancement of water quality
Marsh	Maintenance of a freshwater marsh

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R127-10, 12-16-2010; R129-10, 1-13-2011; R093-13, 12-23-2013)

NAC 445A.1624 Truckee Region: Standards for select bodies of water. (NRS 445A.425, 445A.520) The standards for water quality for select bodies of water within the Truckee Region are prescribed in NAC 445A.1624 to 445A.1764, inclusive.
(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1626 Truckee Region: Lake Tahoe. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Lake Tahoe for its existing sampling points. This segment of Lake Tahoe is located in Carson City and Douglas and Washoe Counties.

STANDARDS OF WATER QUALITY
Lake Tahoe

	REQUIREMENTS		Beneficial Use[a]

PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY REQUIREMENTS	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X	X		
Aquatic Life Species of Concern		Cold-water fishery.											
Temperature - °C ΔT^b - °C		S.V. Oct-May≤ 10.0 S.V.≤ 20.0 Jun-Sep= 0 ΔT			*	X							
pH - SU		S.V. 7.0-8.4	X	X	*	*		X	X	*			
Dissolved Oxygen - percent of saturation		S.V.≥ 90.0	X		*	X	X	X		X			
Soluble Phosphorus - µg/l		A-Avg.≤ 7.0			*	X	X	X					
Nitrogen Species (as N) - mg/l		Nitrite S.V.≤ 0.06 Total Nitrogen≤ 0.25 A-Avg.≤ 0.32 S.V.	X		*			*		X			
Total Soluble Inorganic Nitrogen - µg/l		A-Avg.≤ 25.0	*	X	X			*		X			
Unionized Ammonia - mg/l		S.V.≤ 0.003			*			X					
Algal Growth Potential		f									*		
Plankton Count - No./ml		Avg.≤ (Jun-Sep)≤ S.V.500.0									*		
Turbidity		c			*						*		
Clarity		d			*						X		
Total Dissolved Solids - mg/l		A-Avg.≤ 60.0 S.V.≤ 70.0	X	X				*					
Chloride - mg/l		A-Avg.≤ 3.0 S.V.≤ 5.0	X		*			X		X			
Sulfate - mg/l		S.V.≤ 2.0						*					
Sodium - SAR		A-Avg.≤ 8.0		*									
Specific Electrical Conductance µmhos/cm@20°C		A-Avg.≤ 95.0 S.V.≤ 105.0						*					
E. coli - No./100 ml		S.V.≤ 126.0				*	X						
Coliform Organisms - MPN/100 ml		e	X	X		*	X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c To minimize turbidity levels in Lake Tahoe and tributary streams and control erosion:

1 The discharge of solid or liquid waste materials including soil, silt, clay, sand and other organic and earthen materials to Lake Tahoe or any tributary thereto is prohibited.

2 The discharge of solid or liquid waste materials including soil, silt, clay, sand and other organic and earthen materials to lands below the high water rim of Lake Tahoe or along any tributary to Lake Tahoe in a manner which will cause the discharge of the waste materials to Lake Tahoe or any tributary thereto is prohibited.

3 The placement or man-made disturbance of material below the high water rim of Lake Tahoe or along any tributaries to Lake Tahoe in a manner which will cause the discharge of solid or liquid waste materials including soil, silt, clay, sand and other organic and earthen materials to Lake Tahoe or any tributary thereto is prohibited.

d The vertical extinction coefficient must be less than 0.08 per meter when measured at any depth below the first meter. Turbidity must not exceed 3 NTU at any point of the lake too shallow to determine a reliable extinction coefficient.

e A density not greater than the values shown in the following table:

	Median	Maximum
Undeveloped Lake Front Areas		
10 yards offshore	5.0	32.0
100 yards offshore	3.0	15.0
Developed Lake Front Areas		
10 yards offshore	240.0	700.0
100 yards offshore	15.0	64.0
Directly Influenced by Streams		
10 yards offshore	240.0	700.0
100 yards offshore	32.0	240.0

f The mean annual algal growth potential at any point in the lake must not be greater than twice the mean annual algal potential at a limnetic reference station and using analytical methods determined jointly with the Environmental Protection Agency, Region IX.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1628 Truckee Region: Lake Tahoe Tributaries. (NRS 445A.425, 445A.520) The limits of this table apply to the bodies of water known as the Lake Tahoe Tributaries which are located in Nevada and which are not included in NAC 445A.1632 to 445A.1666, inclusive. The Lake Tahoe Tributaries are located in Carson City and Douglas and Washoe Counties.

STANDARDS OF WATER QUALITY
Lake Tahoe Tributaries

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X		X	
Aquatic Life Species of Concern			Cold-water fishery.										
Temperature - °C		S.V. Oct-May≤ 10.0 S.V.≤ 20.0 Jun-Sep			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg.≤ 0.05			*	X	X	X				*	
Nitrogen Species (as N) - mg/l		Nitrate S.V.≤ 10.0 Nitrite≤ 0.06 S.V.	X		X			*		X		*	
Unionized Ammonia - mg/l		S.V.≤ 0.004			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25.0			*							*	
Turbidity - NTU		S.V.≤ 10.0			*							*	
Color - PCU		S.V.≤ 75.0						*				*	
Total Dissolved Solids - mg/l		A-Avg.≤ 500.0	X	X				*					
Chloride - mg/l		S.V.≤ 250.0	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250.0						*					
Sodium - SAR		A-Avg.≤ 8.0		*									
E. coli - No./100 ml		S.V.≤ 126.0				*	X						

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1632 Truckee Region: Incline Creek, East Fork at the ski resort. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the East Fork of Incline Creek from its origin to the ski resort. The East Fork of Incline Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Incline Creek, East Fork at the ski resort

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X		X	
Aquatic Life Species of Concern			Cold-water fishery.										
Temperature - °C		S.V. Oct-May ≤ 10.0 S.V. Jun-Sep ≤ 20.0			*	X							
pH - SU	S.V.7.0 - 7.9	S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg.≤ 0.05			*	X	X	X				*	
Nitrogen Species (as N) - mg/l	Total Nitrogen S.V.≤ 1.1 A-Avg.≤ 0.4	Nitrate S.V.≤ 10.0 Nitrite≤ 0.06 S.V.	X		X			*		X		*	
Unionized Ammonia - mg/l		S.V. ≤ 0.004			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25.0			*							*	
Turbidity - NTU		S.V.≤ 10.0			*							*	
Color - PCU	No increase > 10	S.V.≤ 75.0						*				*	
Total Dissolved Solids - mg/l	S.V.≤ 70 A-Avg.≤ 55	A-Avg. ≤ 500.0	X	X				*					
Chloride - mg/l	S.V.≤ 4.0 A-Avg.≤ 2.0	S.V. ≤ 250.0	X		*			X		X			
Sulfate - mg/l		S.V. ≤ 250.0						*					
Sodium - SAR		A-Avg.≤ 8.0		*									
E. coli - No./100 ml		S.V. ≤ 126.0				*	X						

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1634 Truckee Region: Incline Creek, West Fork at State Highway 431. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the West Fork of Incline Creek from its origin to State Highway 431. The West Fork of Incline Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Incline Creek, West Fork at State Highway 431

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X		X	

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Aquatic Life Species of Concern		Cold-water fishery.											
Temperature - °C		S.V. Oct-May≤ 10.0 S.V.≤ 20.0 Jun-Sep			*	X							
pH - SU	S.V.7.0 - 8.0	S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg.≤ 0.05			*	X	X	X				*	
Nitrogen Species (as N) - mg/l	Total Nitrogen S.V.≤ 0.9 A-Avg.≤ 0.5	Nitrate S.V.≤ 10.0 Nitrite≤ 0.06 S.V.	X		X			*		X		*	
Unionized Ammonia - mg/l		S.V.≤ 0.004			*			X					
Total Suspended Solids - mg/l	A-Avg.≤ 8.0	S.V.≤ 25.0			*							*	
Turbidity - NTU	S.V.≤ 3.0 A-Avg.≤ 2.0	S.V.≤ 10.0			*							*	
Color - PCU	No increase > 10	S.V.≤ 75.0						*				*	
Total Dissolved Solids - mg/l	S.V.≤ 80 A-Avg.≤ 80	A-Avg.≤ 500.0	X	X				*					
Chloride - mg/l	S.V.≤ 6.0 A-Avg.≤ 5.0	S.V.≤ 250.0	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250.0						*					
Sodium - SAR		A-Avg.≤ 8.0		*									
E. coli - No./100 ml		S.V.≤ 126.0				*	X						

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1636 Truckee Region: Incline Creek, East Fork; Incline Creek, West Fork; and Incline Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the bodies of water known as the East Fork of Incline Creek from the ski resort to the West Fork of Incline Creek, the West Fork of Incline Creek from State Highway 431 to the East Fork of Incline Creek, and Incline Creek from the confluence of the East and West Forks of Incline Creek to Lake Tahoe. These segments of Incline Creek are located in Washoe County.

STANDARDS OF WATER QUALITY
Incline Creek, East Fork; Incline Creek, West Fork; and Incline Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X		X	
Aquatic Life Species of Concern			Cold-water fishery.										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C		S.V. Oct-May ≤ 10.0 S.V. Jun-Sep ≤ 20.0			*	X							
pH - SU	S.V.7.0 - 8.3	S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg. ≤ 0.05			*	X	X	X				*	
Nitrogen Species (as N) - mg/l	Total Nitrogen S.V. ≤ 1.8 A-Avg. ≤ 1.2	Nitrate S.V. ≤ 10.0 Nitrite ≤ 0.06 S.V.	X		X			*		X		*	
Unionized Ammonia - mg/l		S.V. ≤ 0.004			*			X					
Total Suspended Solids - mg/l		S.V. ≤ 25.0			*							*	
Turbidity - NTU		S.V. ≤ 10.0			*							*	
Color - PCU	No increase > 10	S.V. ≤ 75.0						*				*	
Total Dissolved Solids - mg/l	S.V. ≤ 85 A-Avg. ≤ 70	A-Avg. ≤ 500.0	X	X				*					
Chloride - mg/l	S.V. ≤ 8.0 A-Avg. ≤ 6.0	S.V. ≤ 250.0	X		*			X		X			
Sulfate - mg/l		S.V. ≤ 250.0						*					
Sodium - SAR		A-Avg. ≤ 8.0		*									
E. coli - No./100 ml		S.V. ≤ 126.0				*	X						

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1638 Truckee Region: Third Creek, East Fork at State Highway 431. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the East Fork of Third Creek from its origin to State Highway 431. The East Fork of Third Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Third Creek, East Fork at State Highway 431

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X		X	
Aquatic Life Species of Concern			Cold-water fishery.										
Temperature - °C		S.V. Oct-May ≤ 10.0 S.V. Jun-Sep ≤ 20.0			*	X							
pH - SU	S.V.7.0 - 8.0	S.V. 6.5 - 9.0	X	X	*	*		X	X	*			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Dissolved Oxygen - mg/l		S.V.> 6.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l	A-Avg.≤ 0.045	A-Avg.≤ 0.05			*	X	X	X				*	
Nitrogen Species (as N) - mg/l	Total Nitrogen S.V.≤ 0.5 A-Avg.≤ 0.3	Nitrate S.V.≤ 10.0 Nitrite≤ 0.06 S.V.	X		X			*		X		*	
Unionized Ammonia - mg/l		S.V.≤ 0.004			*			X					
Total Suspended Solids - mg/l	A-Avg.≤ 20.0	S.V.≤ 25.0			*							*	
Turbidity - NTU	S.V.≤ 3.0 A-Avg.≤ 2.0	S.V.≤ 10.0			*							*	
Color - PCU	No increase > 10	S.V.≤ 75.0						*				*	
Total Dissolved Solids - mg/l	S.V.≤ 80 A-Avg.≤ 65	A-Avg.≤ 500.0	X	X				*					
Chloride - mg/l	S.V.≤ 5.0 A-Avg.≤ 3.0	S.V.≤ 250.0	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250.0						*					
Sodium - SAR		A-Avg.≤ 8.0		*									
E. coli - No./100 ml		S.V.≤ 126.0				*	X						

* = The most restrictive beneficial use.
X = Beneficial use.
a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1642 Truckee Region: Third Creek, East Fork; Third Creek, West Fork; and Third Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the bodies of water known as the East Fork of Third Creek from State Highway 431 to the West Fork of Third Creek, the West Fork of Third Creek from its origin to the East Fork of Third Creek, and Third Creek from the confluence of the East and West Forks of Third Creek to Lake Tahoe. These segments of Third Creek are located in Washoe County.

STANDARDS OF WATER QUALITY
Third Creek, East Fork; Third Creek, West Fork; and Third Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X		X	
Aquatic Life Species of Concern			Cold-water fishery.										
Temperature - °C		S.V. Oct-May≤ 10.0 S.V. Jun-Sep≤ 20.0			*	X							
pH - SU	S.V.7.0 - 8.4	S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg.≤ 0.05			*	X	X	X				*	
	Total Nitrogen												

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Nitrogen Species (as N) - mg/l	S.V.≤ 1.4 A-Avg.≤ 1.0	Nitrate S.V.≤ 10.0 Nitrite S.V.≤ 0.06	X		X			*		X		*	
Unionized Ammonia - mg/l		S.V.≤ 0.004			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25.0			*							*	
Turbidity - NTU		S.V.≤ 10.0			*							*	
Color - PCU	No increase > 10	S.V.≤ 75.0						*				*	
Total Dissolved Solids - mg/l	S.V.≤ 75 A-Avg.≤ 55	A-Avg.≤ 500.0	X	X				*					
Chloride - mg/l	S.V.≤ 5.0 A-Avg.≤ 4.0	S.V.≤ 250.0	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250.0						*					
Sodium - SAR		A-Avg.≤ 8.0		*									
E. coli - No./100 ml		S.V.≤ 126.0				*	X						

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1644 Truckee Region: Wood Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Wood Creek from its origin to its confluence with Lake Tahoe. Wood Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Wood Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X		X	
Aquatic Life Species of Concern			Cold-water fishery.										
Temperature - °C		S.V. Oct-May≤ 10.0 S.V.≤ 20.0 Jun-Sep			*	X							
pH - SU	S.V.7.0 - 8.2	S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg.≤ 0.05			*	X	X	X				*	
Nitrogen Species (as N) - mg/l	Total Nitrogen S.V.≤ 0.7 A-Avg.≤ 0.5	Nitrate S.V.≤ 10.0 Nitrite≤ 0.06 S.V.	X		X			*		X		*	
Unionized Ammonia - mg/l		S.V.≤ 0.004			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25.0			*							*	
Turbidity - NTU		S.V.≤ 10.0			*							*	
Color - PCU	No increase > 10	S.V.≤ 75.0						*				*	

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l	S.V.≤ 70 A-Avg.≤ 60	A-Avg.≤ 500.0	X	X				*					
Chloride - mg/l	S.V.≤ 5.0 A-Avg.≤ 3.0	S.V.≤ 250.0	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250.0						*					
Sodium - SAR		A-Avg.≤ 8.0		*									
E. coli - No./100 ml		S.V.≤ 126.0				*	X						

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1646 Truckee Region: Second Creek at Second Creek Drive. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Second Creek from its origin to Second Creek Drive. This segment of Second Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Second Creek at Second Creek Drive

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X		X	
Aquatic Life Species of Concern			Cold-water fishery.										
Temperature - °C		S.V. Oct-May≤ 10.0 S.V.≤ 20.0 Jun-Sep			*	X							
pH - SU	S.V.7.0 - 8.0	S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg.≤ 0.05			*	X	X	X				*	
Nitrogen Species (as N) - mg/l	Total Nitrogen S.V.≤ 0.3 A-Avg.≤ 0.2	Nitrate S.V.≤ 10.0 Nitrite≤ 0.06 S.V.	X		X			*		X		*	
Unionized Ammonia - mg/l		S.V.≤ 0.004			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25.0			*							*	
Turbidity - NTU		S.V.≤ 10.0			*							*	
Color - PCU	No increase > 10	S.V.≤ 75.0						*				*	
Total Dissolved Solids - mg/l	S.V.≤ 70 A-Avg.≤ 65	A-Avg.≤ 500.0	X	X				*					
Chloride - mg/l	S.V.≤ 5.0 A-Avg.≤ 3.0	S.V.≤ 250.0	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250.0						*					
Sodium - SAR		A-Avg.≤ 8.0		*									

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
E. coli - No./100 ml		S.V.≤ 126.0				*	X						

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1648 Truckee Region: Second Creek at Lakeshore Drive. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Second Creek from Second Creek Drive to its confluence with Lake Tahoe. This segment of Second Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Second Creek at Lakeshore Drive

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X		X	
Aquatic Life Species of Concern			Cold-water fishery.										
Temperature - °C		S.V. Oct-May≤ 10.0 S.V.≤ 20.0 Jun-Sep			*	X							
pH - SU	S.V.7.0 - 8.2	S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg.≤ 0.05			*	X	X	X				*	
Nitrogen Species (as N) - mg/l	Total Nitrogen S.V.≤ 0.6 A-Avg.≤ 0.3	Nitrate S.V.≤ 10.0 Nitrite≤ 0.06 S.V.	X		X			*		X		*	
Unionized Ammonia - mg/l		S.V.≤ 0.004			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25.0			*							*	
Turbidity - NTU		S.V.≤ 10.0			*							*	
Color - PCU	No increase > 10	S.V.≤ 75.0						*				*	
Total Dissolved Solids - mg/l	S.V.≤ 80 A-Avg.≤ 60	A-Avg.≤ 500.0	X	X				*					
Chloride - mg/l	S.V.≤ 6.0 A-Avg.≤ 3.0	S.V.≤ 250.0	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250.0						*					
Sodium - SAR		A-Avg.≤ 8.0		*									
E. coli - No./100 ml		S.V.≤ 126.0				*	X						

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1652 Truckee Region: First Creek at Dale and Knotty Pine Drives. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as First Creek from its origin to Dale and Knotty Pine Drives. This segment of First Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
First Creek at Dale and Knotty Pine Drives

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X		X	
Aquatic Life Species of Concern			Cold-water fishery.										
Temperature - °C		S.V. Oct-May ≤ 10.0 S.V. Jun-Sep ≤ 20.0			*	X							
pH - SU	S.V. 7.0 - 8.1	S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l	A-Avg. ≤ 0.043	A-Avg. ≤ 0.05			*	X	X	X				*	
Nitrogen Species (as N) - mg/l	Total Nitrogen S.V. ≤ 0.3 A-Avg. ≤ 0.2	Nitrate S.V. ≤ 10.0 Nitrite ≤ 0.06 S.V.	X		X			*		X		*	
Unionized Ammonia - mg/l		S.V. ≤ 0.004			*			X					
Total Suspended Solids - mg/l		S.V. ≤ 25.0			*							*	
Turbidity - NTU	S.V. ≤ 4.0 A-Avg. ≤ 2.0	S.V. ≤ 10.0			*							*	
Color - PCU	No increase > 10	S.V. ≤ 75.0						*				*	
Total Dissolved Solids - mg/l	S.V. ≤ 80 A-Avg. ≤ 70	A-Avg. ≤ 500.0	X	X				*					
Chloride - mg/l	S.V. ≤ 3.0 A-Avg. ≤ 2.0	S.V. ≤ 250.0	X		*			X		X			
Sulfate - mg/l		S.V. ≤ 250.0						*					
Sodium - SAR		A-Avg. ≤ 8.0		*									
E. coli - No./100 ml		S.V. ≤ 126.0				*	X						

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1654 Truckee Region: First Creek at Lakeshore Drive. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as First Creek from Dale and Knotty Pine Drives to its confluence with Lake Tahoe. This segment of First Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
First Creek at Lakeshore Drive

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X		X	
Aquatic Life Species of Concern			Cold-water fishery.										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C		S.V. Oct-May≤ 10.0 S.V.≤ 20.0 Jun-Sep			*	X							
pH - SU	S.V.7.0 - 8.2	S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg.≤ 0.05			*	X	X	X				*	
Nitrogen Species (as N) - mg/l	Total Nitrogen S.V.≤ 0.6 A-Avg.≤ 0.3	Nitrate S.V.≤ 10.0 Nitrite≤ 0.06 S.V.	X		X			*		X		*	
Unionized Ammonia - mg/l		S.V.≤ 0.004			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25.0			*							*	
Turbidity - NTU	S.V.≤ 9.0 A-Avg.≤ 8.0	S.V.≤ 10.0			*							*	
Color - PCU	No increase > 10	S.V.≤ 75.0						*				*	
Total Dissolved Solids - mg/l	S.V.≤ 90 A-Avg.≤ 75	A-Avg.≤ 500.0	X	X				*					
Chloride - mg/l	S.V.≤ 4.0 A-Avg.≤ 3.0	S.V.≤ 250.0	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250.0						*					
Sodium - SAR		A-Avg.≤ 8.0		*									
E. coli - No./100 ml		S.V.≤ 126.0				*	X						

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1656 Truckee Region: Glenbrook Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Glenbrook Creek from its origin to its confluence with Lake Tahoe. Glenbrook Creek is located in Douglas County.

STANDARDS OF WATER QUALITY
Glenbrook Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X		X	
Aquatic Life Species of Concern			Cold-water fishery.										
Temperature - °C		S.V. Oct-May≤ 10.0 S.V.≤ 20.0 Jun-Sep			*	X							
pH - SU	S.V.7.0 - 8.2	S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Phosphates (as P) - mg/l	S.V.≤ 0.060	A-Avg.≤ 0.05			*	X	X	X				*	
Nitrogen Species (as N) - mg/l	Total Nitrogen S.V.≤ 0.5 A-Avg.≤ 0.5	Nitrate S.V.≤ 10.0 Nitrite≤ 0.06 S.V.	X		X			*		X		*	
Unionized Ammonia - mg/l		S.V.≤ 0.004			*			X					
Total Suspended Solids - mg/l	S.V.≤ 22.0	S.V.≤ 25.0			*							*	
Turbidity - NTU		S.V.≤ 10.0			*							*	
Color - PCU	No increase > 10	S.V.≤ 75.0						*				*	
Total Dissolved Solids - mg/l		A-Avg.≤ 500.0	X	X				*					
Chloride - mg/l		S.V.≤ 250.0	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250.0						*					
Sodium - SAR		A-Avg.≤ 8.0		*									
E. coli - No./100 ml		S.V.≤ 126.0				*	X						

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1658 Truckee Region: Logan House Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Logan House Creek from its origin to its confluence with Lake Tahoe. Logan House Creek is located in Douglas County.

STANDARDS OF WATER QUALITY
Logan House Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X		X	
Aquatic Life Species of Concern			Cold-water fishery.										
Temperature - °C		S.V. Oct-May≤ 10.0 S.V.≤ 20.0 Jun-Sep			*	X							
pH - SU	S.V. 7.0 - 8.5	6.5 - S.V. 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l	S.V.≤ 0.035 A-Avg.≤ 0.035	A-Avg.≤ 0.05			*	X	X	X				*	
Nitrogen Species (as N) - mg/l	Total Nitrogen S.V.≤ 0.5 A-Avg.≤ 0.5	Nitrate S.V.≤ 10.0 Nitrite≤ 0.06 S.V.	X		X			*		X		*	

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Unionized Ammonia - mg/l		S.V.≤ 0.004			*			X					
Total Suspended Solids - mg/l	S.V.≤ 11.0	S.V.≤ 25.0			*							*	
Turbidity - NTU		S.V.≤ 10.0			*							*	
Color - PCU	No increase > 10	S.V.≤ 75.0						*				*	
Total Dissolved Solids - mg/l		A-Avg.≤ 500.0	X	X				*					
Chloride - mg/l		S.V.≤ 250.0	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250.0						*					
Sodium - SAR		A-Avg.≤ 8.0		*									
E. coli - No./100 ml		S.V.≤ 126.0				*	X						

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1662 Truckee Region: Eagle Rock Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Eagle Rock Creek from its origin to its confluence with Edgewood Creek. Eagle Rock Creek is located in Douglas County.

STANDARDS OF WATER QUALITY
Eagle Rock Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X		X	
Aquatic Life Species of Concern			Cold-water fishery.										
Temperature - °C		S.V. Oct-May ≤ 10.0 S.V. Jun-Sep ≤ 20.0			*	X							
pH - SU	S.V. 7.0 - 8.4	S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l	S.V.≤ 0.050 A-Avg.≤ 0.045	A-Avg.≤ 0.05			*	X	X	X				*	
Nitrogen Species (as N) - mg/l	Total Nitrogen S.V.≤ 0.3 A-Avg.≤ 0.2	Nitrate S.V.≤ 10.0 Nitrite S.V.≤ 0.06	X		X			*		X		*	
Unionized Ammonia - mg/l		S.V.≤ 0.004			*			X					
Total Suspended Solids - mg/l	S.V.≤ 12.0 A-Avg.≤ 12.0	S.V.≤ 25.0			*							*	
Turbidity - NTU		S.V.≤ 10.0			*							*	
Color - PCU	No increase > 10	S.V.≤ 75.0						*				*	

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		A-Avg.≤ 500.0	X	X				*					
Chloride - mg/l		S.V.≤ 250.0	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250.0						*					
Sodium - SAR		A-Avg.≤ 8.0		*									
E. coli - No./100 ml		S.V.≤ 126.0				*	X						

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1664 Truckee Region: Edgewood Creek at Palisades Drive. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Edgewood Creek from its origin to 50 feet downstream from the culvert at Palisades Drive. This segment of Edgewood Creek is located in Douglas County.

STANDARDS OF WATER QUALITY
Edgewood Creek at Palisades Drive

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X		X	
Aquatic Life Species of Concern			Cold-water fishery.										
Temperature - °C		S.V. Oct-May≤ 10.0 S.V.≤ 20.0 Jun–Sep			*	X							
pH - SU	S.V.7.0 - 8.4	S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l	S.V.≤ 0.100	A-Avg.≤ 0.05			*	X	X	X				*	
Nitrogen Species (as N) - mg/l	Total Nitrogen S.V.≤ 0.6 A-Avg.≤ 0.6	Nitrate S.V.≤ 10.0 Nitrite≤ 0.06 S.V.	X		X			*		X		*	
Unionized Ammonia - mg/l		S.V.≤ 0.004			*			X					
Total Suspended Solids - mg/l		S.V.≤ 25.0			*							*	
Turbidity - NTU		S.V.≤ 10.0			*							*	
Color - PCU	No increase > 10	S.V.≤ 75.0						*				*	
Total Dissolved Solids - mg/l		A-Avg.≤ 500.0	X	X				*					
Chloride - mg/l		S.V.≤ 250.0	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250.0						*					
Sodium - SAR		A-Avg.≤ 8.0		*									

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
E. coli - No./100 ml		S.V.≤ 126.0				*	X						

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1666 Truckee Region: Edgewood Creek at Stateline. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Edgewood Creek from 50 feet downstream from the culvert at Palisades Drive to its confluence with Lake Tahoe. This segment of Edgewood Creek is located in Douglas County.

STANDARDS OF WATER QUALITY
Edgewood Creek at Stateline

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X		X	
Aquatic Life Species of Concern			Cold-water fishery.										
Temperature - °C		S.V. Oct-May≤ 10.0 S.V.≤ 20.0 Jun-Sep			*	X							
pH - SU	S.V.7.0 - 8.4	S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l	S.V.≤ 0.065	A-Avg.≤ 0.05			*	X	X	X				*	
Nitrogen Species (as N) - mg/l	Total Nitrogen S.V.≤ 0.4	Nitrate S.V.≤ 10.0 Nitrite≤ 0.06 S.V.	X		X			*		X		*	
Unionized Ammonia - mg/l		S.V.≤ 0.004			*			X					
Total Suspended Solids - mg/l	S.V.≤ 17.0	S.V.≤ 25.0			*							*	
Turbidity - NTU		S.V.≤ 10.0			*							*	
Color - PCU	No increase > 10	S.V.≤ 75.0						*				*	
Total Dissolved Solids - mg/l		A-Avg.≤ 500.0	X	X				*					
Chloride - mg/l		S.V.≤ 250.0	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250.0						*					
Sodium - SAR		A-Avg.≤ 8.0		*									
E. coli - No./100 ml		S.V.≤ 126.0				*	X						

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1682 Truckee Region: Truckee River at the state line. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Truckee River at the California-Nevada state line. This segment of the Truckee River is located in Washoe County.

STANDARDS OF WATER QUALITY
Truckee River at the state line

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			All life stages of mountain whitefish, rainbow trout and brown trout.										
Temperature - °C ΔT^b - °C	$\Delta T = 0$	S.V. Nov-Mar S.V. Apr-May ≤ 13 S.V. Jun ≤ 17 S.V. Jul ≤ 21 S.V. Aug ≤ 22 S.V. Sep-Oct ≤ 23 ΔT ≤ 2			*	X							
pH - SU	S.V.7.0 - 8.3	S.V. 6.5 - 9.0 ΔpH ± 0.5	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. Nov-Mar ≥ 6.0 S.V. Apr-Oct ≥ 5.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l	A-Avg.≤ 0.03	A-Avg.≤ 0.10			*	*	X	X					
Ortho Phosphate (as P) - mg/l	S.V.≤ 0.01	S.V.≤ 0.05			*	*	X	X					
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg.≤ 0.3 S.V.≤ 0.43	Nitrate S.V.≤ 2.0 Nitrite≤ 0.04 S.V.			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l	A-Avg.≤ 15.0	S.V.≤ 25			*								
Turbidity - NTU	A-Avg.≤ 5.0 S.V.≤ 9.0	S.V.≤ 10.00			*			X					
Color - PCU	d	S.V.≤ 75						*					
Total Dissolved Solids - mg/l	A-Avg.≤ 70.0 S.V.≤ 85.0	A-Avg.≤ 500	X	X				*					
Chloride - mg/l	A-Avg.≤ 7.0 S.V.≤ 10.0	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l	A-Avg.≤ 7.0 S.V.≤ 8.0	S.V.≤ 250						*					
Sodium - SAR	A-Avg.≤ 0.5 S.V.≤ 0.6	A-Avg.≤ 8		*				X					
Alkalinity (as $CaCO_3$) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						

Fecal Coliform -No./100 ml	A.G.M.≤ 30.0 S.V.≤ 150.0	S.V.≤ 1,000	X	*			X	X		X			
BOD - mg/l		A-Avg.≤ 2.5 S.V.≤ 3.0						*					

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

[d] Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1684 Truckee Region: Truckee River at Idlewild. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Truckee River from the California-Nevada state line to Idlewild. This segment of the Truckee River is located in Washoe County.

STANDARDS OF WATER QUALITY
Truckee River at Idlewild

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			All life stages of mountain whitefish, rainbow trout and brown trout.										
Temperature - °C ΔT^b - °C	$\Delta T = 0$	S.V. Nov-Mar S.V.≤ 7 Apr-May≤ 13 S.V.≤ 17 Jun≤ 21 S.V. Jul≤ 22 S.V.≤ 23 Aug≤ 2 S.V. Sep-Oct ΔT			*	X							
pH - SU	S.V.7.2 - 8.3	S.V. 6.5 - 9.0 ΔpH ± 0.5	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. Nov-Mar≥ 6.0 S.V.≥ 5.0 Apr-Oct	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l	A-Avg.≤ 0.05	A-Avg.≤ 0.10			*	*	X	X					
Ortho Phosphate (as P) - mg/l	S.V.≤ 0.02	S.V.≤ 0.05			*	*	X	X					
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg.≤ 0.3 S.V.≤ 0.43	Nitrate S.V.≤ 2.0 Nitrite≤ 0.04 S.V.			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l	A-Avg.≤ 15.0	S.V.≤ 25			*								
Turbidity - NTU	A-Avg.≤ 6.0 S.V.≤ 9.0	S.V.≤ 10			*			X					
Color - PCU	d	S.V.≤ 75						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l	A-Avg.≤ 80.0 S.V.≤ 95.0	A-Avg.≤ 500	X	X				*					
Chloride - mg/l	A-Avg.≤ 7.0 S.V.≤ 10.0	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l	A-Avg.≤ 7.0 S.V.≤ 8.0	S.V.≤ 250						*					
Sodium - SAR	A-Avg.≤ 0.5 S.V.≤ 0.6	A-Avg.≤ 8		*				X					
Alkalinity (as $CaCO_3$) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml	A.G.M.≤ 50.0 S.V.≤ 200.0	S.V.≤ 1,000	X	*			X	X		X			
BOD - mg/l		A-Avg.≤ 2.5 S.V.≤ 3.0						*					

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1686 Truckee Region: Truckee River at East McCarran. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Truckee River from Idlewild to the East McCarran Boulevard Bridge. This segment of the Truckee River is located in Washoe County.

STANDARDS OF WATER QUALITY
Truckee River at East McCarran

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			All life stages of mountain whitefish, rainbow trout and brown trout.										
Temperature - °C ΔT^b - °C	$\Delta T = 0$	S.V. Nov-Mar ≤ 7 S.V. Apr-May ≤ 13 S.V. Jun ≤ 17 S.V. Jul ≤ 21 S.V. Aug ≤ 22 S.V. Sep-Oct ≤ 23 ΔT ≤ 2			*	X							
pH - SU	S.V.7.0 - 8.5	S.V. 6.5 - 9.0 $\Delta pH \pm 0.5$	X	X	X	*		X	X	*			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Dissolved Oxygen - mg/l		S.V. Nov-Mar≥ 6.0 S.V.≥ 5.0 Apr-Oct	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l	A-Avg.≤ 0.05	A-Avg.≤ 0.10			*	*	X	X					
Ortho Phosphate (as P) - mg/l	S.V.≤ 0.02	S.V.≤ 0.05			*	*	X	X					
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg.≤ 0.3 S.V.≤ 0.43	Nitrate S.V.≤ 2.0 Nitrite≤ 0.04 S.V.			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l	A-Avg.≤ 15.0	S.V.≤ 25			*								
Turbidity - NTU	A-Avg.≤ 6.0	S.V.≤ 10			*			X					
Color - PCU	d	S.V.≤ 75						*					
Total Dissolved Solids - mg/l	A-Avg.≤ 90.0 S.V.≤ 120.0	A-Avg.≤ 500	X	X				*					
Chloride - mg/l	A-Avg.≤ 7.0 S.V.≤ 10.0	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l	A-Avg.≤ 7.0 S.V.≤ 8.0	S.V.≤ 250						*					
Sodium - SAR	A-Avg.≤ 0.5 S.V.≤ 0.6	A-Avg.≤ 8		*				X					
Alkalinity (as $CaCO_3$) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml	A.G.M.≤ 75.0 S.V.≤ 350.0	S.V.≤ 1,000	X	*			X	X		X			
BOD - mg/l		A-Avg.≤ 3.0 S.V.≤ 5.0						*					

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1688 Truckee Region: Truckee River at Lockwood Bridge. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Truckee River from the East McCarran Boulevard Bridge to the Lockwood Bridge. This segment of the Truckee River is located in Storey and Washoe Counties.

STANDARDS OF WATER QUALITY
Truckee River at Lockwood Bridge

	REQUIREMENTS TO MAINTAIN	WATER QUALITY	Beneficial Use[a]

PARAMETER	EXISTING HIGHER QUALITY REQUIREMENTS TO MAINTAIN	STANDARDS FOR WATER BENEFICIAL QUALITY USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
PARAMETER	EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern		Juvenile and adult rainbow trout and brown trout.											
Temperature - °C		S.V. Nov-Mar ≤ 13 S.V. Apr ≤ 21[c] S.V. May ≤ 22[c,d] S.V. Jun-Oct ≤ 23[c,d]			*	X							
ΔT[b] - °C	ΔT= 0	S.V. ≤ 2 ΔT											
pH - SU	S.V.7.1 - 8.5	S.V. 6.5 - 9.0 ΔpH ± 0.5	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. Nov-Mar ≥ 6.0 S.V. Apr-Oct ≥ 5.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg. ≤ 0.05			*	*	X	X					
Nitrogen Species (as N) - mg/l		Total N A-Avg. Total N ≤ 0.75 S.V. ≤ 1.2 Nitrate ≤ 2.0 S.V. ≤ 0.04 Nitrite S.V.			*	*	X	X					
Total Ammonia (as N) - mg/l		e			*								
Suspended Solids - mg/l	A-Avg. ≤ 25.0	S.V. ≤ 50			*								
Turbidity - NTU		S.V. ≤ 10			*			X					
Color - PCU	f	S.V. ≤ 75						*					
Total Dissolved Solids - mg/l	A-Avg. ≤ 210.0 S.V. ≤ 260.0	A-Avg. ≤ 500	X	X				*					
Chloride - mg/l	A-Avg. ≤ 26.0 S.V. ≤ 30.0	S.V. ≤ 250	X	X				*		X			
Sulfate - mg/l	A-Avg. ≤ 39.0 S.V. ≤ 46.0	S.V. ≤ 250						*					
Sodium - SAR	A-Avg. ≤ 1.5 S.V. ≤ 2.0	A-Avg. ≤ 8		*				X					
Alkalinity (as $CaCO_3$) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml	A.G.M. ≤ 90.0 S.V. ≤ 300.0	S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard. The ΔT of ≤ 2°C is only for the Reno and Sparks Joint Wastewater Treatment Plant.

[c] When flows are adequate to induce spawning runs of cui-ui and Lahontan cutthroat trout, the standard is 14°C from April through June.

[d] The desired temperature for the protection of juvenile Lahontan cutthroat trout is 21°C, even though that temperature is not attainable at all times.

[e] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

[f] Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1692 Truckee Region: Truckee River at Derby Dam. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Truckee River from the Lockwood Bridge to Derby Dam. This segment of the Truckee River is located in Storey and Washoe Counties.

STANDARDS OF WATER QUALITY
Truckee River at Derby Dam

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Juvenile and adult rainbow trout and brown trout. However, the species which are sensitive to temperature are expected to seek a cooler microhabitat during July and August.										
Temperature - °C ΔT[b] - °C	ΔT= 0	S.V. Nov-Mar ≤ 13 S.V. Apr ≤ 21[c] S.V. May ≤ 22[c,d] S.V. Jun-Oct ≤ 23[c,d] ΔT ≤ 2			*	X							
pH - SU	S.V.7.0 - 8.6	S.V. 6.5 - 9.0 ΔpH ± 0.5	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. Nov-Mar ≥ 6.0 S.V. Apr-Oct ≥ 5.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg.≤ 0.05			*	*	X	X					
Nitrogen Species (as N) - mg/l		Total N A-Avg. Total N≤ 0.75 S.V.≤ 1.2 Nitrate≤ 2.0 S.V.≤ 0.04 Nitrite S.V.			*	*	X	X					
Total Ammonia (as N) - mg/l		e			*								
Suspended Solids - mg/l	A-Avg.≤ 24.0 S.V.≤ 40.0	S.V.≤ 50			*								
Turbidity - NTU	A-Avg.≤ 8.0	S.V.≤ 10			*			X					
Color - PCU	f	S.V.≤ 75						*					
Total Dissolved Solids - mg/l	A-Avg.≤ 215.0 S.V.≤ 265.0	A-Avg.≤ 500	X	X				*					
Chloride - mg/l	A-Avg.≤ 21.0 S.V.≤ 30.0	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l	A-Avg.≤ 39.0 S.V.≤ 46.0	S.V.≤ 250						*					
Sodium - SAR	A-Avg.≤ 1.5 S.V.≤ 2.0	A-Avg.≤ 8		*				X					
Alkalinity (as $CaCO_3$) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml	A.G.M.≤ 80.0 S.V.≤ 250	S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c When flows are adequate to induce spawning runs of cui-ui and Lahontan cutthroat trout, the standard is 14°C from April through June.

d The desired temperature for the protection of juvenile Lahontan cutthroat trout is 21°C, even though that temperature is not attainable at all times.

e The ambient water quality criteria for ammonia are specified in NAC 445A.118.

f Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1694 Truckee Region: Truckee River at the Pyramid Lake Paiute Reservation. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Truckee River from Derby Dam to the exterior border of the Pyramid Lake Paiute Reservation. This segment of the Truckee River is located in Storey and Washoe Counties.

STANDARDS OF WATER QUALITY
Truckee River at the Pyramid Lake Paiute Reservation

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Early spawning Lahontan cutthroat trout and their incubation, larvae, juveniles and migration, from May through June, depending on hydrologic conditions.										
Temperature - °C ΔT^b - °C	$\Delta T = 0$	S.V. Nov-Mar ≤ 13[c] S.V. ≤ 14[c] Apr-Jun ≤ 25[d] S.V. ≤ 2 Jul-Oct ΔT			*	X							
pH - SU	S.V. 7.1 - 8.6	S.V. 6.5 - 9.0 $\Delta pH \pm 0.5$	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. Nov-Jun ≥ 6.0 S.V. ≥ 5.0 July-Oct	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg. ≤ 0.05			*	*	X	X					
Nitrogen Species (as N) - mg/l		Total N A-Avg. Total N ≤ 0.75 S.V. ≤ 1.2 Nitrate ≤ 2.0 S.V. ≤ 0.04 Nitrite S.V.			*	*	X	X					
Total Ammonia (as N) - mg/l		e			*								
Suspended Solids - mg/l	A-Avg. ≤ 25.0	S.V. ≤ 50			*								
Turbidity - NTU		S.V. ≤ 10			*			X					
Color - PCU	f	S.V. ≤ 75						*					
Total Dissolved Solids - mg/l	A-Avg. ≤ 245.0 S.V. ≤ 310.0	A-Avg. ≤ 500	X	X				*					
Chloride - mg/l	A-Avg. ≤ 20.0 S.V. ≤ 28.0	S.V. ≤ 250	X	X				*		X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Sulfate - mg/l	A-Avg.≤ 39.0 S.V.≤ 46.0	S.V.≤ 250						*					
Sodium - SAR	A-Avg.≤ 1.5 S.V.≤ 2.0	A-Avg.≤ 8		*				X					
Alkalinity (as $CaCO_3$) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml	A.G.M.≤ 50 S.V.≤ 250	S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c When flows are adequate to induce spawning runs of cui-ui and Lahontan cutthroat trout, the standard is 13°C from November through March and 14°C from April through June.

d The desired temperature for the protection of juvenile Lahontan cutthroat trout is 21°C, even though that temperature is not attainable at all times.

e The ambient water quality criteria for ammonia are specified in NAC 445A.118.

f Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R093-13, 12-23-2013)

NAC 445A.1698 Truckee Region: Bronco Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Bronco Creek from its origin to the California-Nevada state line. Bronco Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Bronco Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C		Avg. Jun-Sep S.V.≤ 20.0 S.V.≤ 25.0 Summer S.V.≤ 13.0 Winter			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.1[b]			*	*	X	X					
Nitrogen Species (as N)- mg/l		Nitrate S.V.≤ 10 Nitrite S.V.≤ 0.06 Total Nitrogen[b]	X X		* *	* *		* X		X X			
Total Ammonia (as N) - mg/l		[c]			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V.≤ 500	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b The water must not contain nutrient concentrations from a source other than a natural source which cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R127-10, 12-16-2010; R128-12 & R131-12, 12-20-2012)

NAC 445A.1702 Truckee Region: Gray Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Gray Creek from its origin to the California-Nevada state line. Gray Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Gray Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C		Avg. Jun-Sep S.V.≤ 20.0 Summer S.V.≤ 25.0 Winter S.V.≤ 13.0			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 7.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.1[b]			*	*	X	X					
Nitrogen Species (as N)- mg/l		Nitrate S.V.≤ 10 Nitrite S.V.≤ 0.06 Total Nitrogen[b]	X X		* *	* *		* X		X X			
Total Ammonia (as N) - mg/l		c			*								
Turbidity - NTU		S.V.≤ 10			*								
Color - PCU		S.V.≤ 75						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V.≤ 500	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860[d] 96-hr≤ 230 Avg.	X		*			X		X			
Sulfate - mg/l		S.V.≤ 250						*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b The water must not contain nutrient concentrations from a source other than a natural source which cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R127-10, 12-16-2010; R128-12 & R131-12, 12-20-2012)

NAC 445A.1704 Truckee Region: Hunter Creek at Hunter Lake. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Hunter Creek from its origin to Hunter Lake. This segment of Hunter Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Hunter Creek at Hunter Lake

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1706 Truckee Region: Hunter Lake. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Hunter Lake. Hunter Lake is located in Washoe County.

STANDARDS OF WATER QUALITY
Hunter Lake

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.025			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1708 Truckee Region: Hunter Creek at the Truckee River. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Hunter Creek from Hunter Lake to its confluence with the Truckee River. This segment of Hunter Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Hunter Creek at the Truckee River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1722 Truckee Region: Washoe Lakes. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Washoe Lakes. Washoe Lakes is located in Washoe County.

STANDARDS OF WATER QUALITY
Washoe Lakes

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 34 ΔT≤ 3			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.33			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 235				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1724 Truckee Region: Steamboat Creek at the gaging station. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Steamboat Creek from Little Washoe Lake to gaging station number 10-349300, located in the S 1/2 of section 33, T. 18 N., R. 20 E., M.D.B. & M. This segment of Steamboat Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Steamboat Creek at the gaging station

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 34 ΔT≤ 3			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.33			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform -No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1726 Truckee Region: Steamboat Creek at the Truckee River. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Steamboat Creek from gaging station number 10-349300, located in the S 1/2 of section 33, T. 18 N., R. 20 E., M.D.B. & M., to its confluence with the Truckee River. This segment of Steamboat Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Steamboat Creek at the Truckee River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X		X	X			
Aquatic Life Species of Concern													
pH - SU		S.V.6.0 - 9.0	X	X	*	X			X	*			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Dissolved Oxygen - mg/l		S.V.> 3.0	X		*	X	X			X			
Total Ammonia (as N) - mg/l		b			*								
E. coli - No./100 ml		A.G.M.≤ 126 S.V.576				*	X						

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

[b] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R129-10, 1-13-2011)

NAC 445A.1728 Truckee Region: Franktown Creek, upper. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Franktown Creek from its origin to the first irrigation diversion, near the north line of section 9, T. 16 N., R. 19 E., M.D.B. & M. This segment of Franktown Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Franktown Creek, upper

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1732 Truckee Region: Franktown Creek at Washoe Lake. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Franktown Creek from the first irrigation diversion, near the north line of section 9, T. 16 N., R. 19 E., M.D.B. & M., to Washoe Lake. This segment of Franktown Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Franktown Creek at Washoe Lake

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1734 Truckee Region: Hobart Reservoir and tributaries. (NRS 445A.425, 445A.520) The limits of this table apply to the entire system known as Hobart Reservoir and its tributaries. Hobart Reservoir and its tributaries are located in Washoe County.

STANDARDS OF WATER QUALITY
Hobart Reservoir and tributaries

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 576				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1736 Truckee Region: Ophir Creek at State Route 429. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Ophir Creek from its origin to State Route 429 (old U.S. Highway 395). This segment of Ophir Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Ophir Creek at State Route 429

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1738 Truckee Region: Ophir Creek at Washoe Lake. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Ophir Creek from State Route 429 (old U.S. Highway 395) to Washoe Lake. This segment of Ophir Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Ophir Creek at Washoe Lake

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1742 Truckee Region: Price Lakes. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Price Lakes. Price Lakes is located in Washoe County.

STANDARDS OF WATER QUALITY
Price Lakes

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.025			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					

Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1744 Truckee Region: Davis Lake. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Davis Lake. Davis Lake is located in Washoe County.

STANDARDS OF WATER QUALITY
Davis Lake

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 235				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1746 Truckee Region: Galena Creek, upper. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Galena Creek from its origin to the east line of section 18, T. 17 N., R. 19 E., M.D.B. & M. This segment of Galena Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Galena Creek, upper

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1748 Truckee Region: Galena Creek, middle. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Galena Creek from the east line of section 18, T. 17 N., R. 19 E., M.D.B. & M., to gaging station number 10-348900, located in the SW 1/4 of the SW 1/4 of section 2, T. 17 N., R. 19 E., M.D.B. & M. This segment of Galena Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Galena Creek, middle

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1752 Truckee Region: Galena Creek at Steamboat Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Galena Creek from gaging station number 10-348900, located in the SW 1/4 of the SW 1/4 of section 2, T. 17 N., R. 19 E., M.D.B. & M., to its confluence with Steamboat Creek. This segment of Galena Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Galena Creek at Steamboat Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V.≤ 20 ΔT≤ 3			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.33			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1754 Truckee Region: Whites Creek, upper. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Whites Creek from its origin to the east line of section 33, T. 18 N., R. 19 E., M.D.B. & M. This segment of Whites Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Whites Creek, upper

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X		*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1756 Truckee Region: Whites Creek at Steamboat Ditch. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Whites Creek below the east line of section 33, T. 18 N., R. 19 E., M.D.B. & M., to Steamboat Ditch. This segment of Whites Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Whites Creek at Steamboat Ditch

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V.≤ 20 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1758 Truckee Region: Whites Creek at Steamboat Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Whites Creek below Steamboat Ditch. This segment of Whites Creek is located in Washoe County.

STANDARDS OF WATER QUALITY
Whites Creek at Steamboat Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 24 ΔT= 0			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.10			*	*	X	X					
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1762 Truckee Region: Lagomarsino Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Lagomarsino Creek, also known as Long Valley Creek. Lagomarsino Creek is located in Storey County.

STANDARDS OF WATER QUALITY
Lagomarsino Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X		X	X			
Aquatic Life Species of Concern													
pH - SU		S.V. 6.0 - 9.0	X	X	*	X			X	*			
Dissolved Oxygen - mg/l		S.V.≥ 3.0	X		*	X	X			X			
Total Ammonia (as N) - mg/l		b			*								
E. coli - No./100 ml		A.G.M.≤ 126 S.V.576				*	X						

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

[b] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R129-10, 1-13-2011)

NAC 445A.1764 Truckee Region: Tracy Pond. (NRS 445A.425, 445A.520) The limits of this table apply to the entire area known as Tracy Pond. Tracy Pond is located in Storey County.

STANDARDS OF WATER QUALITY
Tracy Pond

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V.≤ 34 ΔT≤ 3			*	X							
pH - SU		S.V.6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V.≤ 0.33			*	*	X	X					
Total Ammonia (as N) - mg/l		c			*			X					
Total Dissolved Solids - mg/l		S.V.≤ 500 or the 95th percentile (whichever is less).	X	X				*					
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 576				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1782 Western Region: No designated beneficial uses. (NRS 445A.425, 445A.520) There are no designated beneficial uses for select bodies of water within the Western Region.
(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1784 Western Region: No designated standards. (NRS 445A.425, 445A.520) There are no designated standards for water quality for select bodies of water within the Western Region.
(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1792 Carson Region: Designated beneficial uses. (NRS 445A.425, 445A.520) The designated beneficial uses for select bodies of water within the Carson Region are prescribed in this section:

Water Body Name	Segment Description	Beneficial Uses										Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Carson River, West Fork at the state line	At the California-Nevada state line.	X	X	X	X	X	X	X	X				Rainbow trout and brown trout	NAC 445A.1796
Bryant Creek near the state line	From the California-Nevada state line to its confluence with the East Fork of the Carson River.	X	X	X	X	X	X	X	X				Rainbow trout and brown trout	NAC 445A.1798
Carson River, East Fork at the state line	At the California-Nevada state line.	X	X	X	X	X	X	X	X				Rainbow trout and brown trout	NAC 445A.1802
Carson River, East Fork at U.S. Highway 395 south of Gardnerville	From the California-Nevada state line to the Riverview Mobile Home Park at U.S. Highway 395 south of Gardnerville, except for the length of the river within the exterior borders of the Washoe Indian Reservation.	X	X	X	X	X	X	X	X				Rainbow trout and brown trout	NAC 445A.1804

Water Body Name	Segment Description	Beneficial Uses										Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Carson River, East Fork at Muller Lane	From the Riverview Mobile Home Park at U.S. Highway 395 to Muller Lane, except for the length of the river within the exterior borders of the Washoe Indian Reservation.	X	X	X	X	X	X	X	X				Rainbow trout and brown trout	NAC 445A.1806
Carson River at Genoa Lane	The East Fork of the Carson River from Muller Lane to the West Fork, the West Fork of the Carson River from the California-Nevada state line to the East Fork, and the main stem of the Carson River from the confluence of the East and West Forks to Genoa Lane.	X	X	X	X	X	X	X	X				Catfish, rainbow trout and brown trout	NAC 445A.1808
Carson River at Cradlebaugh Bridge	From Genoa Lane to U.S. Highway 395 at Cradlebaugh Bridge, except for the length of the river within the exterior borders of the Washoe Indian Reservation.	X	X	X	X	X	X	X	X				Catfish, rainbow trout and brown trout	NAC 445A.1812
Carson River at the Mexican Ditch Gage	From U.S. Highway 395 at Cradlebaugh Bridge to the Mexican Ditch Gage.	X	X	X	X	X	X	X	X				Rainbow trout and brown trout	NAC 445A.1814
Carson River near New Empire	From the Mexican Ditch Gage to New Empire.	X	X	X	X	X	X	X	X				Smallmouth bass, rainbow trout and brown trout	NAC 445A.1816

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Carson River at Dayton Bridge	From New Empire to the Dayton Bridge.	X	X	X	X	X	X	X	X				Walleye, channel catfish and white bass	NAC 445A.1818
Carson River at Lahontan Reservoir	From the Dayton Bridge to Lahontan Reservoir.	X	X	X	X	X	X	X	X				Walleye, channel catfish and white bass	NAC 445A.1822
Lahontan Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Walleye, channel catfish and white bass	NAC 445A.1824
Lower Carson River	From Lahontan Reservoir to the Carson Sink (the natural channel).	X	X	X	X	X	X	X	X					NAC 445A.1826
Daggett Creek	From its origin to the Carson River.	X	X	X	X	X	X		X					NAC 445A.1828
Genoa Creek	From its origin to the first diversion box at the mouth of the canyon, near the east line of section 9, T. 13 N., R. 19 E., M.D.B. & M.	X	X	X	X	X	X		X					NAC 445A.1832
Sierra Canyon Creek	From its origin to the first diversion structure at the mouth of the canyon, near the east line of section 4, T. 13 N., R. 19 E., M.D.B. & M.	X	X	X	X	X	X		X					NAC 445A.1834

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Clear Creek at the gaging station	From its origin to gaging station number 10-3105, located in the NE 1/4 of the NW 1/4 of section 1, T. 14 N., R. 19 E., M.D.B. & M., except for the length of the creek within the exterior borders of the Washoe Indian Reservation.	X	X	X	X	X	X		X					NAC 445A.1836
Clear Creek at the Carson River	From gaging station number 10-3105, located in the NE 1/4 of the NW 1/4 of section 1, T. 14 N., R. 19 E., M.D.B. & M., to the Carson River, except for the length of the creek within the exterior borders of the Washoe Indian Reservation.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1838
Kings Canyon	From its origin to the point of diversion of the Carson City Water Department, near the east line of section 23, T. 15 N., R. 19 E., M.D.B. & M.	X	X	X	X	X	X		X					NAC 445A.1842

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Ash Canyon	From its origin to the first point of diversion of the Carson City Water Department, near the west line of section 12, T. 15 N., R. 19 E., M.D.B. & M.	X	X	X	X	X	X		X					NAC 445A.1844
V-Line Canal	From the Carson diversion dam to its division into the S and L Canals.	X	X	X	X	X	X	X	X					NAC 445A.1846
Rattlesnake Reservoir	The entire reservoir; also known as S-Line Reservoir.	X	X	X	X	X	X	X	X					NAC 445A.1848
Indian Lakes	All the lakes, including Upper Lake, Likes Lake, Papoose Lake, Big Indian Lake, Little Cottonwood Lake, Big Cottonwood Lake and East Lake.	X	X	X	X	X	X	X	X					NAC 445A.1852
Diagonal Drain	Its entire length.	X	X	X	X	X	X	X	X					NAC 445A.1854
South Carson Lake	The entire lake; also known as Government Pasture and the Greenhead Gun Club.	X	X	X	X	X	X	X	X					NAC 445A.1856
Harmon Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X					NAC 445A.1858
Stillwater Marsh east of Westside Road	East of Westside Road and north of the community of Stillwater.	X	X	X	X	X	X	X	X					NAC 445A.1862
Stillwater Marsh west of Westside Road	West of Westside Road and south of the community of Stillwater.	X	X	X		X		X	X					NAC 445A.1864

Irrigation	Irrigation
Livestock	Watering of livestock
Contact	Recreation involving contact with the water
Noncontact	Recreation not involving contact with the water

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Industrial	Industrial supply													
Municipal	Municipal or domestic supply, or both													
Wildlife	Propagation of wildlife													
Aquatic	Propagation of aquatic life													
Aesthetic	Waters of extraordinary ecological or aesthetic value													
Enhance	Enhancement of water quality													
Marsh	Maintenance of a freshwater marsh													

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R101-14, 4-4-2016)

NAC 445A.1794 Carson Region: Standards for select bodies of water. (NRS 445A.425, 445A.520) The standards for water quality for select bodies of water within the Carson Region are prescribed in NAC 445A.1794 to 445A.1864, inclusive.
(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008)

NAC 445A.1796 Carson Region: Carson River, West Fork at the state line. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the West Fork of the Carson River at the California-Nevada state line. This segment of the West Fork of the Carson River is located in Douglas County.

STANDARDS OF WATER QUALITY
Carson River, West Fork at the state line

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Rainbow trout and brown trout.										
Temperature - °C ΔT^b - °C	 $\Delta T = 0$	S.V. Nov-May≤ 13 S.V. Jun≤ 17 S.V. Jul≤ 21 S.V. Aug-Oct≤ 22 $\Delta T \leq 2$			*	X							
pH - SU	S.V.7.4 - 8.4	S.V.6.5 - 9.0 ΔpH±0.5	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. Nov-May≥ 6.0 S.V. Jun-Oct≥ 5.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l	A-Avg.≤ 0.016 S.V.≤ 0.033	A-Avg.≤ 0.10			*	*	X	X					
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg.≤ 0.4 S.V.≤ 0.5	Nitrate S.V.≤ 10 Nitrite S.V.≤ 0.06	X		*	X	X	*		X			
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l	A-Avg.≤ 15	S.V.≤ 25			*								
Turbidity - NTU	A-Avg.≤ 3 S.V.≤ 5	S.V.≤ 10			*			X					
Color - PCU	d	S.V.≤ 75						*					
Total Dissolved Solids - mg/l	A-Avg.≤ 70 S.V.≤ 95	A-Avg.≤ 500	X	X				*					
Chloride - mg/l	A-Avg.≤ 3 S.V.≤ 5	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l	S.V.≤ 4	S.V.≤ 250						*					
Sodium - SAR	A-Avg.≤ 1	A-Avg.≤ 8		*				X					
Alkalinity (as $CaCO_3$) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Fecal Coliform - No./100 ml	A.G.M.≤ 105	S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1798 Carson Region: Bryant Creek near the state line. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Bryant Creek from the California-Nevada state line to its confluence with the East Fork of the Carson River. This segment of Bryant Creek is located in Douglas County.

STANDARDS OF WATER QUALITY
Bryant Creek near the state line

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Rainbow trout and brown trout.										
Temperature - °C ΔT^b - °C	ΔT= 0	S.V. Nov-May ≤ 13 S.V. Jun ≤ 17 S.V. Jul ≤ 21 S.V. Aug-Oct ≤ 22 ΔT S.V. ≤ 2			*	X							
pH - SU		S.V. 6.5 - 9.0 ΔpH ± 0.5	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. Nov-May ≥ 6.0 S.V. Jun-Oct ≥ 5.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l	A-Avg.≤ 0.036 S.V.≤ 0.05	A-Avg.≤ 0.10			*	*	X	X					
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg.≤ 0.6 S.V.≤ 1.0	Nitrate S.V.≤ 10 Nitrite S.V.≤ 0.06	X		*	X	X	*		X			
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU	d	S.V.≤ 75						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l	A-Avg.≤ 375 S.V.≤ 420	A-Avg.≤ 500	X	X				*					
Chloride - mg/l	A-Avg.≤ 6 S.V.≤ 7	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					
Sodium - SAR	A-Avg.≤ 1	A-Avg.≤ 8		*				X					
Alkalinity (as $CaCO_3$) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml	A.G.M.≤ 50 S.V.≤ 90	S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1802 Carson Region: Carson River, East Fork at the state line. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the East Fork of the Carson River at the California-Nevada state line. This segment of the East Fork of the Carson River is located in Douglas County.

STANDARDS OF WATER QUALITY
Carson River, East Fork at the state line

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Rainbow trout and brown trout.										
Temperature - °C ΔT^b - °C	ΔT= 0	S.V. Nov-May S.V.≤ 13 Jun≤ 17 S.V.≤ 21 Jul≤ 22 S.V.≤ 2 Aug-Oct ΔT			*	X							
pH - SU		S.V. 6.5 - 9.0 ΔpH ± 0.5	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. Nov-May≥ 6.0 S.V.≥ 5.0 Jun-Oct	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l	A-Avg.≤ 0.03 S.V.≤ 0.065	A-Avg.≤ 0.10			*	*	X	X					
	Total Nitrogen												

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Nitrogen Species (as N) - mg/l	A-Avg.≤ 0.5 S.V.≤ 1.1	Nitrate S.V.≤ 10 Nitrite S.V.≤ 0.06	X	X	*	X	X	*		X			
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 25			*								
Turbidity - NTU	A-Avg.≤ 5 S.V.≤ 8	S.V.≤ 10			*			X					
Color - PCU	d	S.V.≤ 75						*					
Total Dissolved Solids - mg/l	A-Avg.≤ 145 S.V.≤ 185	A-Avg.≤ 500	X	X				*					
Chloride - mg/l	A-Avg.≤ 3 S.V.≤ 5	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l	S.V.≤ 3	S.V.≤ 250						*					
Sodium - SAR	A-Avg.≤ 2	A-Avg.≤ 8		*				X					
Alkalinity (as $CaCO_3$) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml	A.G.M.≤ 40 S.V.≤ 60	S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

[d] Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1804 Carson Region: Carson River, East Fork at U.S. Highway 395 south of Gardnerville. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the East Fork of the Carson River from the California-Nevada state line to the Riverview Mobile Home Park at U.S. Highway 395 south of Gardnerville, except for the length of the river within the exterior borders of the Washoe Indian Reservation. This segment of the East Fork of the Carson River is located in Douglas County.

STANDARDS OF WATER QUALITY
Carson River, East Fork at U.S. Highway 395 south of Gardnerville

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Rainbow trout and brown trout.										
Temperature - °C		S.V. Nov-May ≤ 13 S.V. Jun ≤ 17 S.V. Jul ≤ 21 S.V. Aug-Oct ≤ 22			*	X							
ΔT^b - °C	ΔT= 0	S.V. ≤ 2 ΔT											

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
pH - SU	S.V. 7.5 - 8.6	S.V. 6.5 - 9.0 ΔpH ± 0.5	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. Nov-May ≥ 6.0 S.V. Jun-Oct ≥ 5.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg.≤ 0.10			*	*	X	X					
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg.≤ 0.4 S.V.≤ 0.5	Nitrate S.V.≤ 10 Nitrite≤ 0.06 S.V.	X		*	X	X	*		X			
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU	d	S.V.≤ 75						*					
Total Dissolved Solids - mg/l	A-Avg.≤ 120 S.V.≤ 175	A-Avg.≤ 500	X	X				*					
Chloride - mg/l	A-Avg.≤ 6 S.V.≤ 10	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					
Sodium - SAR	A-Avg.≤ 2	A-Avg.≤ 8		*				X					
Alkalinity (as $CaCO_3$) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml	A.G.M.≤ 20 S.V.≤ 85	S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R093-13, 12-23-2013)

NAC 445A.1806 Carson Region: Carson River, East Fork at Muller Lane. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the East Fork of the Carson River from the Riverview Mobile Home Park at U.S. Highway 395 to Muller Lane, except for the length of the river within the exterior borders of the Washoe Indian Reservation. This segment of the East Fork of the Carson River is located in Douglas County.

STANDARDS OF WATER QUALITY
Carson River, East Fork at Muller Lane

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Aquatic Life Species of Concern			Rainbow trout and brown trout.										
Temperature - °C ΔT^b - °C	$\Delta T = 0$	S.V. Nov-May ≤ 13°C S.V. Jun ≤ 17°C S.V. Jul ≤ 21°C S.V. Aug-Oct ≤ 22°C ΔT ≤ 2°C			*	X							
pH - SU	S.V.7.4 - 8.7	S.V. 6.5 - 9.0 ΔpH ± 0.5	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. Nov-May ≥ 6.0 S.V. Jun-Oct ≥ 5.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg.≤ 0.10			*	*	X	X					
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg.≤ 0.5 S.V.≤ 0.8	Nitrate S.V.≤ 10 Nitrite≤ 0.06 S.V.	X		*	X	X	*		X			
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU	d	S.V.≤ 75						*					
Total Dissolved Solids - mg/l	A-Avg.≤ 180 S.V.≤ 205	A-Avg.≤ 500	X	X				*					
Chloride - mg/l	A-Avg.≤ 8 S.V.≤ 10	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					
Sodium - SAR	A-Avg.≤ 2	A-Avg.≤ 8		*				X					
Alkalinity (as $CaCO_3$) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml	A.G.M.≤ 50	S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R093-13, 12-23-2013)

NAC 445A.1808 Carson Region: Carson River at Genoa Lane. (NRS 445A.425, 445A.520) The limits of this table apply to the bodies of water known as the Carson River, including the East Fork of the Carson River from Muller Lane to the West Fork, the West Fork of the Carson River from the California-Nevada state line to the East Fork, and the main stem of the Carson

River from the confluence of the East and West Forks to Genoa Lane. These segments of the Carson River are located in Douglas County.

STANDARDS OF WATER QUALITY
Carson River at Genoa Lane

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Catfish, rainbow trout and brown trout.										
Temperature - °C ΔT[b] - °C	$\Delta T = 0$	S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X							
pH - SU	S.V.7.4 - 8.5	S.V. 6.5 - 9.0 ΔpH ± 0.5	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. Nov-Apr ≥ 6.0 S.V. May-Oct ≥ 5.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg. ≤ 0.10			*	*	X	X					
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. ≤ 0.8 S.V. ≤ 1.3	Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06	X		*	X	X	*		X			
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V. ≥ 80			*								
Turbidity - NTU		S.V. ≥ 10			*			X					
Color - PCU	d	S.V. ≤ 75						*					
Total Dissolved Solids - mg/l	A-Avg. ≤ 165 S.V. ≤ 220	A-Avg. ≤ 500	X	X				*					
Chloride - mg/l	A-Avg. ≤ 8 S.V. ≤ 12	S.V. ≤ 250	X	X				*		X			
Sulfate - mg/l		S.V. ≤ 250						*					
Sodium - SAR	A-Avg. ≤ 2	A-Avg. ≤ 8		*				X					
Alkalinity (as $CaCO_3$) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml	A.G.M. ≤ 180	S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

c The ambient water quality criteria for ammonia are specified in NAC 445A.118.

d Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1812 Carson Region: Carson River at Cradlebaugh Bridge. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Carson River from Genoa Lane to U.S. Highway 395 at Cradlebaugh Bridge, except for the length of the river within the exterior borders of the Washoe Indian Reservation. This segment of the Carson River is located in Douglas County.

STANDARDS OF WATER QUALITY
Carson River at Cradlebaugh Bridge

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Catfish, rainbow trout and brown trout.										
Temperature - °C ΔT^b - °C	ΔT= 0	S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X							
pH - SU	S.V.7.5 - 8.4	S.V. 6.5 - 9.0 ΔpH ± 0.5	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. Nov-Apr ≥ 6.0 S.V. May-Oct ≥ 5.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg.≤ 0.10			*	*	X	X					
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg.≤ 0.85 S.V.≤ 1.2	Nitrate S.V.≤ 10 Nitrite≤ 0.06 S.V.	X		*	X	X	*		X			
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU	d	S.V.≤ 75						*					
Total Dissolved Solids - mg/l	A-Avg.≤ 180 S.V.≤ 230	A-Avg.≤ 500	X	X				*					
Chloride - mg/l	A-Avg.≤ 8 S.V.≤ 15	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l		S.V.≤ 250						*					
Sodium - SAR	A-Avg.≤ 2	A-Avg.≤ 8		*				X					
Alkalinity (as $CaCO_3$) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.

a Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

[d] Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R093-13, 12-23-2013)

NAC 445A.1814 Carson Region: Carson River at the Mexican Ditch Gage. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Carson River from U.S. Highway 395 at Cradlebaugh Bridge to the Mexican Ditch Gage. This segment of the Carson River is located in Carson City and Douglas County.

STANDARDS OF WATER QUALITY
Carson River at the Mexican Ditch Gage

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Rainbow trout and brown trout.										
Temperature - °C ΔT[b] - °C	ΔT= 0	S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X							
pH - SU	S.V.7.4 - 8.5	S.V. 6.5 - 9.0 ΔpH ± 0.5	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. Nov-Apr ≥ 6.0 S.V. May-Oct ≥ 5.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg.≤ 0.10			*	*	X	X					
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg.≤ 0.8 S.V.≤ 1.3	Nitrate S.V.≤ 10 Nitrite≤ 0.06 S.V.	X		*	X	X	*		X			
Total Ammonia (as N) - mg/l		c			*								
Suspended Solids - mg/l		S.V.≤ 80			*								
Turbidity - NTU		S.V.≤ 10			*			X					
Color - PCU	d	S.V.≤ 75						*					
Total Dissolved Solids - mg/l	A-Avg.≤ 285 S.V.≤ 360	A-Avg.≤ 500	X	X				*					
Chloride - mg/l	A-Avg.≤ 17 S.V.≤ 23	S.V.≤ 250	X	X				*		X			
Sulfate - mg/l	A-Avg.≤ 24 S.V.≤ 100	S.V.≤ 250						*					
Sodium - SAR	A-Avg.≤ 2	A-Avg.≤ 8		*				X					
Alkalinity (as $CaCO_3$) - mg/l		< 25% change from natural conditions			*					X			
E. coli - No./100 ml		A.G.M.≤ 126 S.V.≤ 410				*	X						
Fecal Coliform - No./100 ml	A.G.M.≤ 110 S.V.≤ 295	S.V.≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

[d] Increase in color must not be more than 10 PCU above natural conditions.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012)

NAC 445A.1816 Carson Region: Carson River near New Empire. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Carson River from the Mexican Ditch Gage to New Empire. This segment of the Carson River is located in Carson City.

STANDARDS OF WATER QUALITY
Carson River near New Empire

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Smallmouth bass, rainbow trout and brown trout.										
Temperature - °C ΔT[b] - °C	ΔT= 0	S.V. Nov-May≤ 18 S.V.≤ 23 Jun-≤ 2 Oct ΔT			*	X							
pH - SU	S.V.7.4 - 8.4	S.V.6.5 - 9.0 ΔpH±0.5	X	X	X	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	X	X		X			
Total Phosphates (as P) - mg/l		A-Avg.≤ 0.10			*	*	X	X					
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg.≤ 1.3 S.V.≤ 1.7	Nitrate S.V.≤ 10 Nitrite≤ 0.06 S.V.	X		*	X	X	*		X			
Total Ammonia (as N) - mg/l		c			*								