

**SECOND REVISED PROPOSED REGULATION OF THE  
STATE ENVIRONMENTAL COMMISSION**

**LCB File No. R102-16**

July 27, 2017

EXPLANATION – Matter in *italics* is new; matter in brackets ~~[omitted material]~~ is material to be omitted.

AUTHORITY: §§1-285, NRS 445A.425 and 445A.520.

A REGULATION relating to water quality; revising the water quality standards relating to *E. coli* for certain bodies of water in this State; and providing other matters properly relating thereto.

**Legislative Counsel’s Digest:**

Existing law requires the State Environmental Commission to adopt regulations establishing the standards of water quality and amounts of waste which may be discharged into the waters of this State. (NRS 445A.425) Each standard adopted by the Commission must ensure a continuation of the designated beneficial use or uses applicable to the body of water to which the standard applies. (NRS 445A.520)

This regulation amends the water quality standards relating to *E. coli* bacteria for various bodies of water in this State. Under existing regulations, the quantity of *E. coli* in a unit of water is generally calculated on the basis of the “annual geometric mean,” which is obtained by multiplying the results of a number (*n*) of measurements taken over the course of a year and calculating the *n*th root of the product. (NAC 445A.071) By their terms, existing regulations also establish upper limits on the number of individual *E. coli* bacteria present in 100 milliliters of water. (*See, e.g.*, NAC 445A.1256) This regulation provides that, for certain bodies of water in this State, a “geometric mean” is to be used instead of an annual geometric mean, with the result that the mean number of bacteria will typically be calculated on the basis of measurements taken over a period of less than a year. In addition, the applicable water quality standards for *E. coli* are restated by this regulation in terms of “colony-forming units,” which more accurately reflects how levels of bacterial contamination are calculated.

**Section 1.** Chapter 445A of NAC is hereby amended by adding thereto a new section to read as follows:

*“cfu/100 mL” means the number of colony-forming units present in 100 milliliters of water.*

**Sec. 2.** NAC 445A.11724 is hereby amended to read as follows:

445A.11724 “Geometric mean” *or* “**G.M.**” means the mean of n positive numbers obtained by taking the nth root of the product of the numbers.

**Sec. 3.** NAC 445A.1256 is hereby amended to read as follows:

445A.1256 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 <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.025$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1252 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 4.** NAC 445A.1258 is hereby amended to read as follows:

445A.1258 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 <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X			*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.025$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A-G-M]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X			X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1252 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 5. NAC 445A.1262 is hereby amended to read as follows:

445A.1262 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 <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.025$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq$ <del>1298</del> 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1252 for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in t

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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 6. NAC 445A.1264 is hereby amended to read as follows:

445A.1264 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ <del>{576}</del> 410				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1252 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 7. NAC 445A.1266 is hereby amended to read as follows:

445A.1266 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 <sup>a</sup>													
			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			Trout.													
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1252 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 8. NAC 445A.1268 is hereby amended to read as follows:

445A.1268 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 <sup>a</sup>													
			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			Trout.													
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1252 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 9.** NAC 445A.1286 is hereby amended to read as follows:

445A.1286 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 <sup>a</sup>													
			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. Summer ≤ 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 <sup>b</sup>			*	*	X									
Nitrogen Species (as N) - mg/l		Nitrate S.V. ≤ 90 Nitrite S.V. ≤ 5.0 Total Nitrogen <sup>b</sup>	X X		*	*					X X					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*											
Turbidity - NTU		S.V. ≤ 50			*											
Total Dissolved Solids - mg/l		S.V. ≤ 1,000	X	*												
Chloride - mg/l		1-hr Avg. ≤ 860 <sup>d</sup> 96-hr Avg. ≤ 230	X		*						X					
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>e</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 10.** NAC 445A.1288 is hereby amended to read as follows:



445A.1288 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 <sup>a</sup>												
			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			Trout												
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*						
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL</i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 11.** NAC 445A.1292 is hereby amended to read as follows:

445A.1292 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 <sup>a</sup>														
			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		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 12.** NAC 445A.1296 is hereby amended to read as follows:

445A.1296 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 <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		c			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 13.** NAC 445A.1298 is hereby amended to read as follows:

445A.1298 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 <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		c			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 14.** NAC 445A.1302 is hereby amended to read as follows:

445A.1302 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 <sup>a</sup>																	
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh							
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Species of Concern																				
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X														
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X			*									
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X									
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X												
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X												
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*											
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X													
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 15.** NAC 445A.1304 is hereby amended to read as follows:

445A.1304 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 16.** NAC 445A.1306 is hereby amended to read as follows:

445A.1306 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 <sup>a</sup>													
			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			Trout.													
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ <del>{576}</del> 410				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 17.** NAC 445A.1308 is hereby amended to read as follows:

445A.1308 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 <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X			*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



**Sec. 18.** NAC 445A.1312 is hereby amended to read as follows:

445A.1312 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 <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X			*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>No./100 ml</del> <i>cfu/100 mL<sup>d</sup></i>		<del>A.G.M.</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X			X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 19.** NAC 445A.1316 is hereby amended to read as follows:

445A.1316 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 <sup>a</sup>												
			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. $\geq$ 3.0	X		*		X			X					
Total Ammonia (as N) - mg/l		b			*										
E. coli - <del>No./100 mL</del> cfu/100 mL		A.G.M. $\leq$ 630					*								

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

<sup>b</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

**Sec. 20.** NAC 445A.1336 is hereby amended to read as follows:

445A.1336 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 <sup>a</sup>												
			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															
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 13 ΔT < 1			*	X									
ΔT <sup>b</sup> - °C	ΔT = 0				*	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 S.V. ≤ 0.06			*	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				*							
Chloride - mg/l	S.V. ≤ 9.0	S.V. ≤ 250	X	X				*		X					
Sulfate - mg/l		S.V. ≤ 250						*							
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X					
E. coli - {No./100 ml} cfu/100 mL <sup>d</sup>		[A.G.M.] 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 21.** NAC 445A.1338 is hereby amended to read as follows:

445A.1338 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 <sup>a</sup>														
			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																	
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 13															
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$			*	X											
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X									
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.1$			*	*	X	X									
Nitrogen Species (as N) - mg/l	Nitrate S.V. $\leq 1.0$	Nitrate S.V. $\leq 10$ Nitrite S.V. $\leq 0.06$			*	X	X	*									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*												
Suspended Solids - mg/l		S.V. $\leq 25$			*			X									
Turbidity - NTU		S.V. $\leq 10$			*			X									
Color - PCU		S.V. $\leq 75$						*									
Total Dissolved Solids - mg/l	S.V. $\leq 250$	S.V. $\leq 500$	X	X				*									
Chloride - mg/l	S.V. $\leq 14.0$	S.V. $\leq 250$	X	X				*			X						
Sulfate - mg/l		S.V. $\leq 250$						*									
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X						
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M. <math>\leq</math> {250} 126</i> S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml	S.V. $\leq 90$	S.V. $\leq 1,000$	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 22.** NAC 445A.1342 is hereby amended to read as follows:

445A.1342 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 <sup>a</sup>													
			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																
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 13														
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$			*	X										
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X								
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.1$			*	*	X	X								
Nitrogen Species (as N) - mg/l	Nitrate S.V. $\leq 1.0$	Nitrate S.V. $\leq 10$ Nitrite S.V. $\leq 0.06$			*	X	X	*								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*											
Suspended Solids - mg/l		S.V. $\leq 25$			*			X								
Turbidity - NTU		S.V. $\leq 10$			*			X								
Color - PCU		S.V. $\leq 75$						*								
Total Dissolved Solids - mg/l	S.V. $\leq 250$	S.V. $\leq 500$	X	X				*								
Chloride - mg/l	S.V. $\leq 15.0$	S.V. $\leq 250$	X	X				*		X						
Sulfate - mg/l		S.V. $\leq 250$						*								
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X						
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 23.** NAC 445A.1344 is hereby amended to read as follows:

445A.1344 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 <sup>a</sup>														
			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																	
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 7															
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$			*	X											
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X									
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.1$			*	*	X	X									
Nitrogen Species (as N) - mg/l	Nitrate S.V. $\leq 1.0$	Nitrate S.V. $\leq 10$ Nitrite S.V. $\leq 0.06$			*	X	X	*									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*												
Suspended Solids - mg/l		S.V. $\leq 25$			*			X									
Turbidity - NTU		S.V. $\leq 10$			*			X									
Color - PCU		S.V. $\leq 75$						*									
Total Dissolved Solids - mg/l	S.V. $\leq 200$	S.V. $\leq 500$	X	X				*									
Chloride - mg/l	S.V. $\leq 6.0$	S.V. $\leq 250$	X	X				*			X						
Sulfate - mg/l		S.V. $\leq 250$						*									
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X						
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml	S.V. $\leq 100$	S.V. $\leq 1,000$	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 24. NAC 445A.1346 is hereby amended to read as follows:

445A.1346 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 <sup>a</sup>														
			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																	
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 7			*	X											
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$															
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X			X								
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l	S.V. $\leq 0.05$	S.V. $\leq 0.1$			*	*	X	X									
Nitrogen Species (as N) - mg/l	Nitrate S.V. $\leq 1.0$	Nitrate S.V. $\leq 10$ Nitrite S.V. $\leq 0.06$			*	X	X	*									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*												
Suspended Solids - mg/l		S.V. $\leq 25$			*				X								
Turbidity - NTU		S.V. $\leq 10$			*				X								
Color - PCU		S.V. $\leq 75$							*								
Total Dissolved Solids - mg/l	S.V. $\leq 65$	S.V. $\leq 500$	X	X					*								
Chloride - mg/l	S.V. $\leq 7.0$	S.V. $\leq 250$	X	X					*		X						
Sulfate - mg/l		S.V. $\leq 250$							*								
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X						
E. coli - <del>No./100 ml</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml	S.V. $\leq 10$	S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 25.** NAC 445A.1348 is hereby amended to read as follows:

445A.1348 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 <sup>a</sup>														
			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																	
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 7			*	X											
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$			*	X											
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X									
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l	S.V. $\leq 0.05$	S.V. $\leq 0.1$			*	*	X	X									
Nitrogen Species (as N) - mg/l	Nitrate S.V. $\leq 1.0$	Nitrate S.V. $\leq 10$ Nitrite S.V. $\leq 0.06$			*	X	X	*									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*												
Suspended Solids - mg/l		S.V. $\leq 25$			*			X									
Turbidity - NTU		S.V. $\leq 10$			*			X									
Color - PCU		S.V. $\leq 75$						*									
Total Dissolved Solids - mg/l	S.V. $\leq 80$	S.V. $\leq 500$	X	X				*									
Chloride - mg/l	S.V. $\leq 7.0$	S.V. $\leq 250$	X	X				*		X							
Sulfate - mg/l		S.V. $\leq 250$						*									
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X							
E. coli - <del>No./100 ml</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 26. NAC 445A.1352 is hereby amended to read as follows:

445A.1352 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 <sup>a</sup>														
			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																	
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 7															
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$			*	X											
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X			X								
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.1$			*	*	X	X									
Nitrogen Species (as N) - mg/l	Nitrate S.V. $\leq 1.0$	Nitrate S.V. $\leq 10$ Nitrite S.V. $\leq 0.06$			*	X	X	*									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*												
Suspended Solids - mg/l		S.V. $\leq 25$			*				X								
Turbidity - NTU		S.V. $\leq 10$			*				X								
Color - PCU		S.V. $\leq 75$							*								
Total Dissolved Solids - mg/l	S.V. $\leq 180$	S.V. $\leq 500$	X	X					*								
Chloride - mg/l	S.V. $\leq 7.0$	S.V. $\leq 250$	X	X					*		X						
Sulfate - mg/l		S.V. $\leq 250$							*								
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X						
E. coli - <del>No./100 ml</del> <sup>d</sup> cfu/100 mL		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml	S.V. $\leq 80$	S.V. $\leq 1,000$	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 27. NAC 445A.1354 is hereby amended to read as follows:

445A.1354 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 <sup>a</sup>														
			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																	
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 7															
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$			*	X											
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X									
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.1$			*	*	X	X									
Nitrogen Species (as N) - mg/l	Nitrate S.V. $\leq 1.0$	Nitrate S.V. $\leq 10$ Nitrite S.V. $\leq 0.06$			*	X	X	*									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*												
Suspended Solids - mg/l		S.V. $\leq 25$			*			X									
Turbidity - NTU		S.V. $\leq 10$			*			X									
Color - PCU		S.V. $\leq 75$						*									
Total Dissolved Solids - mg/l	S.V. $\leq 200$	S.V. $\leq 500$	X	X				*									
Chloride - mg/l	S.V. $\leq 8.0$	S.V. $\leq 250$	X	X				*			X						
Sulfate - mg/l		S.V. $\leq 250$						*									
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X						
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 28. NAC 445A.1356 is hereby amended to read as follows:

445A.1356 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 <sup>a</sup>													
			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																
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 7														
ΔT <sup>b</sup> - °C	ΔT = 0	ΔT < 1			*	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 S.V. ≤ 0.06			*	X	X	*								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*											
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 <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X					
E. coli - <del>No./100 ml</del> <sup>d</sup> cfu/100 mL		<del>[A.G.M.]</del> 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 29. NAC 445A.1362 is hereby amended to read as follows:

445A.1362 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 <sup>a</sup>														
			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																	
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 13			*	X											
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$															
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X									
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.1$			*	*	X	X									
Nitrogen Species (as N) - mg/l	Nitrate S.V. $\leq 1.0$	Nitrate S.V. $\leq 10$ Nitrite S.V. $\leq 0.06$			*	X	X	*									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*												
Suspended Solids - mg/l		S.V. $\leq 25$			*			X									
Turbidity - NTU		S.V. $\leq 10$			*			X									
Color - PCU		S.V. $\leq 75$						*									
Total Dissolved Solids - mg/l	S.V. $\leq 280$	S.V. $\leq 500$	X	X				*									
Chloride - mg/l	S.V. $\leq 15.0$	S.V. $\leq 250$	X	X				*		X							
Sulfates - mg/l		S.V. $\leq 250$						*									
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



**Sec. 30.** NAC 445A.1364 is hereby amended to read as follows:

445A.1364 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Total Ammonia (as N) - mg/l		c			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M. <math>\leq 126</math> S.V. <math>\leq 410</math></i>				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 31.** NAC 445A.1366 is hereby amended to read as follows:

445A.1366 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 <sup>a</sup>													
			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			Trout.													
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		c			*		X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



**Sec. 32.** NAC 445A.1368 is hereby amended to read as follows:

445A.1368 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 <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 33.** NAC 445A.1372 is hereby amended to read as follows:

445A.1372 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>{No./100 ml}</del> <sup>d</sup> cfu/100 mL		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 34.** NAC 445A.1374 is hereby amended to read as follows:

445A.1374 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 <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X			*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 35.** NAC 445A.1376 is hereby amended to read as follows:

445A.1376 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 36.** NAC 445A.1378 is hereby amended to read as follows:

445A.1378 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 <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X			*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M. <math>\leq 126</math> S.V. <math>\leq 410</math></i>				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 37. NAC 445A.1382 is hereby amended to read as follows:

445A.1382 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 38.** NAC 445A.1384 is hereby amended to read as follows:

445A.1384 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 <sup>a</sup>												
			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 ΔT <sup>b</sup> - °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		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> <sup>d</sup> cfu/100 mL		<del>{A.G.M.}</del> 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 39. NAC 445A.1386 is hereby amended to read as follows:

445A.1386 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 <sup>a</sup>												
			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			Trout.												
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



**Sec. 40.** NAC 445A.1388 is hereby amended to read as follows:

445A.1388 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 <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 41.** NAC 445A.1392 is hereby amended to read as follows:

445A.1392 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 <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq$ 126 S.V. $\leq$ 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 42. NAC 445A.1394 is hereby amended to read as follows:

445A.1394 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 <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*		X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 43. NAC 445A.1396 is hereby amended to read as follows:

445A.1396 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 <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 44. NAC 445A.1398 is hereby amended to read as follows:

445A.1398 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>No./100 ml</del> <i>cfu/100 mL<sup>d</sup></i>		<del>A.G.M.</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 45.** NAC 445A.1402 is hereby amended to read as follows:

445A.1402 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 <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		c			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>No./100 ml</del> <b>cfu/100 mL<sup>d</sup></b>		<del>A.G.M.</del> <b>G.M. <math>\leq</math> 126</b> S.V. $\leq$ 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> **The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.**

Sec. 46. NAC 445A.1404 is hereby amended to read as follows:

445A.1404 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 <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>No./100 ml</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq$ 126 S.V. $\leq$ 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 47. NAC 445A.1406 is hereby amended to read as follows:

445A.1406 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



Sec. 48. NAC 445A.1408 is hereby amended to read as follows:

445A.1408 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*									
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ <del>{576}</del> 410				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 49. NAC 445A.1412 is hereby amended to read as follows:

445A.1412 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>No./100 ml</del> <sup>d</sup>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 50.** NAC 445A.1414 is hereby amended to read as follows:

445A.1414 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 <sup>a</sup>																		
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh								
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Species of Concern																					
Temperature - °C Maximum		S.V. May-Oct < 21 S.V. Nov-Apr < 13			*	X															
pH - SU		S.V. 6.5 - 9.0			*	X			X												
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X	X		X										
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.1 <sup>b</sup>			*	*	X	X													
Nitrogen Species (as N) - mg/l		Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06 Total Nitrogen <sup>b</sup>			X	*	*	X		*	X										
Total Ammonia (as N) - mg/l		<sup>c</sup>			*																
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 - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 51.** NAC 445A.1416 is hereby amended to read as follows:

445A.1416 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 <sup>a</sup>													
			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																
Temperature - °C Maximum		S.V. May-Oct < 21 S.V. Nov-Apr < 13			*	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 <sup>b</sup>			*	*	X	X								
Nitrogen Species (as N) - mg/l		Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06 Total Nitrogen <sup>b</sup>			X	*	*	*	X	*						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*											
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 - <del>No./100 ml</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A-G-M]</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 52. NAC 445A.1418 is hereby amended to read as follows:

445A.1418 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 <sup>a</sup>														
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
Beneficial Uses			X	X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern																	
Temperature - °C Maximum		S.V. May-Oct < 21 S.V. Nov-Apr < 13			*	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 <sup>b</sup>			*	*	X	X									
Nitrogen Species (as N) - mg/l		Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06 Total Nitrogen <sup>b</sup>			X	*		*	X		*						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*												
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 - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A-G-M}</del> 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.

**Sec. 53.** NAC 445A.1422 is hereby amended to read as follows:

445A.1422 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 <sup>a</sup>														
			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																	
Temperature - °C Maximum		S.V. May-Oct < 21 S.V. Nov-Apr < 7			*	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 <sup>b</sup>			*	*	X	X									
Nitrogen Species (as N) - mg/l		Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06 Total Nitrogen <sup>b</sup>			X	*	*	*	X	*							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*												
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 - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1332 for beneficial use terminology.

- <sup>b</sup> 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.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- <sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 54.** NAC 445A.1436 is hereby amended to read as follows:

445A.1436 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 <sup>a</sup>																	
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh							
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Species of Concern			Warm-water fishery.																	
Temperature - °C $\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T \leq 2$			*	X														
pH - SU	A-Avg. 7.0 - 8.3 S.V. 7.0 - 8.5	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			X								
Total Phosphorus (as P) - mg/l		Apr-Nov Seasonal Avg. $\leq 0.1$			*	X	X	X												
Nitrogen species (as N) - mg/l	Total Nitrogen A-Avg. $\leq 1.5$ S.V. Apr-Nov $\leq 2.4$	Nitrate S.V. $\leq 10$ Nitrite S.V. $\leq 1.0$	X	X	X					*			X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*															
Suspended Solids - mg/l		Annual Median $\leq 80^d$			*															
Turbidity - NTU		S.V. $\leq 50$			*			X												
Color - PCU	<sup>e</sup>	No Adverse Effects								*										
Total Dissolved Solids - mg/l	A-Avg. $\leq 370$ S.V. $\leq 385$	A-Avg. $\leq 500$	X	X					*											
Chloride - mg/l	A-Avg. $\leq 22$ S.V. $\leq 25$	S.V. $\leq 250$	X	X					*			X								
Sulfate - mg/l		S.V. $\leq 250$							*											
Sodium - SAR		A-Avg. $\leq 8$		*				X												
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL</i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X													
Fecal Coliform - No./100 ml	A.G.M. $\leq 75$ S.V. $\leq 200$	S.V. $\leq 1,000$	X	*				X	X			X								

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone.

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

<sup>d</sup> The maximum allowable point source discharge is S.V.  $\leq 80$  mg/l of suspended solids.

<sup>e</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>f</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



Sec. 55. NAC 445A.1438 is hereby amended to read as follows:

445A.1438 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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>															
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh					
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Species of Concern			Warm-water fishery.															
Temperature - °C $\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T \leq 2$			*	X												
pH - SU	A-Avg. 7.0 - 8.5 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		X							
Total Phosphorus (as P) - mg/l		Apr-Nov Seasonal Avg. $\leq 0.1$			*	X	X	X										
Nitrogen species (as N) - mg/l	Total Nitrogen A-Avg. $\leq 1.4$ S.V. Apr-Nov $\leq 2.4$	Nitrate S.V. $\leq 10$ Nitrite S.V. $\leq 1.0$	X	X	X				*			X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*													
Suspended Solids - mg/l		Annual Median $\leq 80^d$			*													
Turbidity - NTU		S.V. $\leq 50$			*				X									
Color - PCU	<sup>e</sup>	No Adverse Effects									*							
Total Dissolved Solids - mg/l	A-Avg. $\leq 350$ S.V. $\leq 400$	A-Avg. $\leq 500$	X	X						*								
Chloride - mg/l	A-Avg. $\leq 21$ S.V. $\leq 30$	S.V. $\leq 250$	X	X						*		X						
Sulfate - mg/l		S.V. $\leq 250$								*								
Sodium - SAR		A-Avg. $\leq 8$			*					X								
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL</i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X											
Fecal Coliform - No./100 ml	A.G.M. $\leq 20$ S.V. $\leq 150$	S.V. $\leq 1,000$	X	*				X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone.

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

<sup>d</sup> The maximum allowable point source discharge is S.V.  $\leq 80$  mg/l of suspended solids.

<sup>e</sup> Increase in color must not be more than 10 PCU above natural conditions.

*The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 56.** NAC 445A.1442 is hereby amended to read as follows:

445A.1442 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 <sup>a</sup>														
			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			Warm-water fishery.														
Temperature - °C $\Delta T^b$ - °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 Avg. $\leq 0.1$			*	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 S.V. $\leq 1.0$	X	X	X			*		X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*												
Suspended Solids - mg/l		Annual Median $\leq 80^d$			*												
Turbidity - NTU		S.V. $\leq 50$			*			X									
Color - PCU	<sup>e</sup>	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 - <del>{No./100 ml}</del> cfu/100 mL		<del>{A.G.M.}</del> 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone.

- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- <sup>d</sup> The maximum allowable point source discharge is S.V. ≤ 80 mg/l of suspended solids.
- <sup>e</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>f</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 57.** NAC 445A.1444 is hereby amended to read as follows:

445A.1444 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 <sup>a</sup>													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Species of Concern			Warm-water fishery.													
Temperature - °C $\Delta T^b$ - °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		X					
Total Phosphorus (as P) - mg/l		Apr-Nov Seasonal Avg. $\leq 0.1$			*	X	X	X								
Nitrogen species (as N) - mg/l	Total Nitrogen A-Avg. $\leq 2.9$ S.V. Apr-Nov $\leq 3.7$	Nitrate S.V. $\leq 10$ Nitrite S.V. $\leq 1.0$	X	X	X			*			X					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*											
Suspended Solids - mg/l		Annual Median $\leq 80^d$			*											
Turbidity - NTU		S.V. $\leq 50$			*			X								
Color - PCU	<sup>e</sup>	No Adverse Effects							*							
Total Dissolved Solids - mg/l	A-Avg. $\leq 500$ S.V. $\leq 560$	A-Avg. $\leq 500$	X	X					*							
Chloride - mg/l	A-Avg. $\leq 60$ S.V. $\leq 110$	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] <i>cfu/100 mL</i>		[A.G.M.] G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml	A.G.M. $\leq 40$ S.V. $\leq 100$	S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone.

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

<sup>d</sup> The maximum allowable point source discharge is S.V. ≤ 80 mg/l of suspended solids.

<sup>e</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>f</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 58.** NAC 445A.1446 is hereby amended to read as follows:

445A.1446 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 <sup>a</sup>														
			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			Warm-water fishery.														
Temperature - °C $\Delta T^b$ - °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 Avg. $\leq 0.1$			*	X	X	X									
Nitrogen species (as N) - mg/l	Total Nitrogen A-Avg. $\leq 2.4$ S.V. Apr-Nov $\leq 2.9$	Nitrate S.V. $\leq 10$ Nitrite S.V. $\leq 1.0$	X	X	X			*			X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*												
Suspended Solids - mg/l		Annual Median $\leq 80^d$			*												
Turbidity - NTU		S.V. $\leq 50$			*			X									
Color - PCU	<sup>e</sup>	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 - <del>{No./100 ml}</del> <i>cfu/100 mL</i>		<del>{A-G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$			*	X											

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Fecal Coliform - No./100 ml	A.G.M. ≤ 30 S.V. ≤ 150	S.V. ≤ 1,000	X	*				X	X		X				

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone.

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

<sup>d</sup> The maximum allowable point source discharge is S.V. ≤ 80 mg/l of suspended solids.

<sup>e</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>f</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 59.** NAC 445A.1448 is hereby amended to read as follows:

445A.1448 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 <sup>a</sup>												
			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 <sup>b</sup> - °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	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 S.V. ≤ 1.0	X	X	X			*		X					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*										
Suspended Solids - mg/l		Annual Median ≤ 80 <sup>d</sup>			*										
Turbidity - NTU		S.V. ≤ 50			*			X							
Color - PCU	<sup>e</sup>	No Adverse Effects							*						
Total Dissolved Solids - mg/l	A-Avg. ≤ 600 S.V. ≤ 700	A-Avg. ≤ 1000	X	X				*							

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
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 - <del>[No./100 ml]</del> <i>cfu/100 mL</i>		<del>[A.G.M.]</del> <i>G.M. ≤ 126</i> S.V. ≤ <del>[235]</del> <i>410</i>				*	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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone.

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

<sup>d</sup> The maximum allowable point source discharge is S.V. ≤ 80 mg/l of suspended solids.

<sup>e</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>f</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 60. NAC 445A.1452 is hereby amended to read as follows:

445A.1452 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 <sup>a</sup>															
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh					
Beneficial Uses			X	X	X	X	X	X	X	X	X	X						
Aquatic Life Species of Concern																		
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 34$ $\Delta T \leq 3$			*	X												
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*								
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X								
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.33$			*	*	X	X										
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X			*		X								
Nitrite (as N) - mg/l		S.V. $\leq 1.0$	X		*				X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*				X									
Total Suspended Solids - mg/l		S.V. $\leq 80$			*													
Turbidity - NTU		S.V. $\leq 50$			*													
Color - PCU		S.V. $\leq 75$							*									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*									
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*				X		X							
Sulfate - mg/l		S.V. $\leq 250$							*									
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*						X							
E. coli - [No./100 ml] <i>cfu/100 mL</i> <sup>e</sup>		[A-G.M.] <i>G.M.</i> $\leq 126$ S.V. $\leq 410$					*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 61.** NAC 445A.1454 is hereby amended to read as follows:

445A.1454 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 <sup>a</sup>													
			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					
Nitrite (as N) - mg/l		S.V. ≤ 10	X		*						X					
Total Ammonia (as N) - mg/l		<sup>b</sup>			*											
Total Suspended Solids - mg/l		S.V. ≤ 80			*											
Turbidity - NTU		S.V. ≤ 50			*											
Chloride - mg/l		1-hr Avg. ≤ 860 <sup>c</sup> 96-hr Avg. ≤ 230	X		*						X					
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*						X					
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A-G.M.}</del> <i>G.M. ≤ 126</i> <i>S.V. {576} 410</i>				*	X									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

<sup>c</sup> One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 62.** NAC 445A.1455 is hereby amended to read as follows:

445A.1455 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 <sup>a</sup>											
			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		<sup>b</sup>			*									
E. coli - <del>{No./100 mL}</del> <i>cfu/100 mL</i>		A.G.M. ≤ 630					*							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

**Sec. 63.** NAC 445A.1456 is hereby amended to read as follows:

445A.1456 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 <sup>a</sup>											
			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 <sup>a</sup>													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X			*		X						
Nitrite (as N) - mg/l		S.V. $\leq 0.06$	X		*			X		X						
Total Ammonia (as N) - mg/l		c			*			X								
Total Suspended Solids - mg/l		S.V. $\leq 25$			*											
Turbidity - NTU		S.V. $\leq 10$			*											
Color - PCU		S.V. $\leq 75$						*								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*			X		X						
Sulfate - mg/l		S.V. $\leq 250$						*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*					X						
E. coli - <del>No./100 ml</del> <i>cfu/100 mL</i>		<del>A.G.M.</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$					*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X	X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 64. NAC 445A.1458 is hereby amended to read as follows:

445A.1458 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*		X	X								
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X			*			X						
Nitrite (as N) - mg/l		S.V. $\leq 0.06$	X		*				X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*				X								
Total Suspended Solids - mg/l		S.V. $\leq 25$			*												
Turbidity - NTU		S.V. $\leq 10$			*												
Color - PCU		S.V. $\leq 75$							*								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*				X		X						
Sulfate - mg/l		S.V. $\leq 250$							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*						X						
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>e</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.

**Sec. 65.** NAC 445A.1462 is hereby amended to read as follows:

445A.1462 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 <sup>a</sup>													
			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																
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 24 $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 5.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X								
Nitrate (as N) - mg/l		S.V. $\leq$ 10	X		X			*		X						
Nitrite (as N) - mg/l		S.V. $\leq$ 1.0	X		*			X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Suspended Solids - mg/l		S.V. $\leq$ 80			*											
Turbidity - NTU		S.V. $\leq$ 50			*											
Color - PCU		S.V. $\leq$ 75						*								
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*								
Chloride - mg/l		1-hr Avg. $\leq$ 860 <sup>d</sup> 96-hr Avg. $\leq$ 230	X		*			X		X						
Sulfate - mg/l		S.V. $\leq$ 250						*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq$ 20			*					X						
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL</i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq$ 126 S.V. $\leq$ 410				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

- <sup>b</sup> 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.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- <sup>d</sup> One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.
- <sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 66.** NAC 445A.1464 is hereby amended to read as follows:

445A.1464 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 <sup>a</sup>														
			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																	
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X				*		X						
Nitrite (as N) - mg/l		S.V. $\leq 0.06$	X		*				X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Suspended Solids - mg/l		S.V. $\leq 25$			*												
Turbidity - NTU		S.V. $\leq 10$			*												
Color - PCU		S.V. $\leq 75$							*								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*			X		X							
Sulfate - mg/l		S.V. $\leq 250$							*								

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*						X			
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL</i>		<del>[A.G.M.]</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 67. NAC 445A.1465 is hereby amended to read as follows:

445A.1465 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0^c$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		Avg. Jun. $\leq 0.04^d$ Sep			*	*	X	X									
Total Nitrogen (as N) - mg/l		Avg. Jun. $\leq 0.52^d$ Sep			*	*	X	X									
Nitrite (as N) - mg/l		S.V. $\leq 0.06$	X		*			X		X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Chlorophyll a - µg/l		Avg. Jun. $\leq 10^d$ Sep			*	*	X	X									
Total Suspended Solids - mg/l		S.V. $\leq 25$			*												
Turbidity - NTU		S.V. $\leq 10$			*												
Color - PCU		S.V. $\leq 75$								*							
Secchi Depth - meters		Avg. Jun. $\geq 4.0$ Sep			X	*	X	X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less)	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq 860^f$ 96-hr Avg. $\leq 230$	X		*			X		X							
Sulfate - mg/l		S.V. $\leq 250$							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*						X						
E. coli - <del>[No./100 ml]</del> cfu/100mL <sup>g</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

- <sup>c</sup> When reservoir is stratified, the dissolved oxygen criterion applies only to the epilimnion.
- <sup>d</sup> 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.
- <sup>e</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- <sup>f</sup> One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.
- <sup>g</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 68.** NAC 445A.1466 is hereby amended to read as follows:

445A.1466 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X				*		X						
Nitrite (as N) - mg/l		S.V. $\leq 0.06$	X		*				X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*				X								
Total Suspended Solids - mg/l		S.V. $\leq 25$			*												
Turbidity - NTU		S.V. $\leq 10$			*												
Color - PCU		S.V. $\leq 75$							*								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*				X		X						
Sulfate - mg/l		S.V. $\leq 250$							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*						X						



PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>c</sup></i>		[A.G.M.] <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 69.** NAC 445A.1468 is hereby amended to read as follows:

445A.1468 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 <sup>a</sup>											
			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 $\Delta T^b$ - °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		<sup>c</sup>			*			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 <sup>a</sup>												
			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 <sup>d</sup> 96-hr Avg. ≤ 230	X		*				X		X				
Sulfate - mg/l		S.V. ≤ 250							*						
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*						X				
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>e</sup>		[A.G.M.] 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 70.** NAC 445A.1472 is hereby amended to read as follows:

445A.1472 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 <sup>a</sup>												
			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			Trout.												
Temperature - °C ΔT <sup>b</sup> - °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 <sup>a</sup>											
			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		<sup>c</sup>			*			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 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			X		X				
Sulfate - mg/l		S.V. ≤ 250						*						
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*					X				
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>e</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 71.** NAC 445A.1474 is hereby amended to read as follows:

445A.1474 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 <sup>a</sup>														
			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																	
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 24 $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 5.0	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq$ 10	X	X				*			X						
Nitrite (as N) - mg/l		S.V. $\leq$ 1.0	X	*	*			X	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Suspended Solids - mg/l		S.V. $\leq$ 80			*												
Turbidity - NTU		S.V. $\leq$ 50			*												
Color - PCU		S.V. $\leq$ 75							*								
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq$ 860 <sup>d</sup> 96-hr Avg. $\leq$ 230	X		*				X		X						
Sulfate - mg/l		S.V. $\leq$ 250							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq$ 20			*						X						
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>e</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq$ 126 S.V. $\leq$ 410				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

- <sup>b</sup> 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.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- <sup>d</sup> One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.
- <sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 72.** NAC 445A.1476 is hereby amended to read as follows:

445A.1476 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 <sup>a</sup>													
			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			Trout.													
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X								
Nitrate (as N) - mg/l		S.V. $\leq$ 10	X		X			*		X						
Nitrite (as N) - mg/l		S.V. $\leq$ 0.06	X		*			X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Suspended Solids - mg/l		S.V. $\leq$ 25			*											
Turbidity - NTU		S.V. $\leq$ 10			*											
Color - PCU		S.V. $\leq$ 75						*								
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*								
Chloride - mg/l		1-hr Avg. $\leq$ 860 <sup>d</sup> 96-hr Avg. $\leq$ 230	X		*			X		X						
Sulfate - mg/l		S.V. $\leq$ 250						*								

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*						X				
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>c</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 73.** NAC 445A.1478 is hereby amended to read as follows:

445A.1478 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 <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. ≤ 24 $\Delta T = 0$			*	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					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
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 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			X		X					
Sulfate - mg/l		S.V. ≤ 250						*							
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*					X					
E. coli - <del>No./100 ml</del> <i>cfu/100 mL</i> <sup>e</sup>		<del>[A.G.M.]</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 74. NAC 445A.1482 is hereby amended to read as follows:

445A.1482 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 <sup>a</sup>																		
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh								
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Species of Concern																					
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X															
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*										
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X	X		X										
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*		X	X												
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X			*			X										
Nitrite (as N) - mg/l		S.V. $\leq 0.06$	X		*				X		X										
Total Ammonia (as N) - mg/l		<sup>c</sup>			*				X												
Total Suspended Solids - mg/l		S.V. $\leq 25$			*																
Turbidity - NTU		S.V. $\leq 10$			*																
Color - PCU		S.V. $\leq 75$							*												
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*												
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*				X		X										
Sulfate - mg/l		S.V. $\leq 250$							*												
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*						X										
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>e</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X														
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X											

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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



*<sup>e</sup> The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 75.** NAC 445A.1484 is hereby amended to read as follows:

445A.1484 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq$ 10	X		X				*		X						
Nitrite (as N) - mg/l		S.V. $\leq$ 0.06	X		*				X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*				X								
Total Suspended Solids - mg/l		S.V. $\leq$ 25			*												
Turbidity - NTU		S.V. $\leq$ 10			*												
Color - PCU		S.V. $\leq$ 75							*								
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less)	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq$ 860 <sup>d</sup> 96-hr Avg. $\leq$ 230	X		*				X		X						
Sulfate - mg/l		S.V. $\leq$ 250							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq$ 20			*						X						
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL</i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq$ 126 S.V. $\leq$ 410				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

- <sup>b</sup> 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.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- <sup>d</sup> One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.
- <sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 76.** NAC 445A.1486 is hereby amended to read as follows:

445A.1486 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 <sup>a</sup>														
			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																	
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq 10$	X	X				*		X							
Nitrite (as N) - mg/l		S.V. $\leq 0.06$	X		*			X		X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Suspended Solids - mg/l		S.V. $\leq 25$			*												
Turbidity - NTU		S.V. $\leq 10$			*												
Color - PCU		S.V. $\leq 75$						*									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*									
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*			X		X							
Sulfate - mg/l		S.V. $\leq 250$						*									
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*					X							
E. coli - [No./100 ml] cfu/100 mL <sup>e</sup>		[A.G.M.] G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X	X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 77. NAC 445A.1488 is hereby amended to read as follows:

445A.1488 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 <sup>a</sup>														
			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																	
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq$ 10	X		X			*			X						
Nitrite (as N) - mg/l		S.V. $\leq$ 0.06	X		*			X			X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Suspended Solids - mg/l		S.V. $\leq$ 25			*												
Turbidity - NTU		S.V. $\leq$ 10			*												
Color - PCU		S.V. $\leq$ 75								*							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq$ 860 <sup>d</sup> 96-hr Avg. $\leq$ 230	X		*			X			X						
Sulfate - mg/l		S.V. $\leq$ 250						*									
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq$ 20			*						X						
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>c</sup>		<del>[A.G.M.]</del> G.M. $\leq$ 126 S.V. $\leq$ 410				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

*<sup>e</sup> The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 78.** NAC 445A.1492 is hereby amended to read as follows:

445A.1492 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X											
pH - SU		S.V. $\geq$ 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq$ 10	X		X				*		X						
Nitrite (as N) - mg/l		S.V. $\leq$ 0.06	X		*				X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Suspended Solids - mg/l		S.V. $\leq$ 25			*												
Turbidity - NTU		S.V. $\leq$ 10			*												
Color - PCU		S.V. $\leq$ 75							*								
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq$ 860 <sup>d</sup> 96-hr Avg. $\leq$ 230	X		*			X		X							
Sulfate - mg/l		S.V. $\leq$ 250							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq$ 20			*						X						
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL</i> <sup>e</sup>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq$ 126 S.V. $\leq$ 410				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

- <sup>b</sup> 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.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- <sup>d</sup> One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.
- <sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 79.** NAC 445A.1494 is hereby amended to read as follows:

445A.1494 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 <sup>a</sup>													
			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 <sup>b</sup> - °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		<sup>c</sup>			*			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 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			X		X						
Sulfate - mg/l		S.V. ≤ 250						*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*					X						
E. coli - [No./100 ml] cfu/100 mL <sup>e</sup>		[A.G.M.] 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 80.** NAC 445A.1496 is hereby amended to read as follows:

445A.1496 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 <sup>a</sup>																	
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh							
Beneficial Uses			X	X	X	X	X	X	X	X	X	X								
Aquatic Life Species of Concern																				
Temperature - °C		S.V. ≤ 34			*	X														
ΔT <sup>b</sup> - °C		ΔT ≤ 3																		
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		<sup>c</sup>			*			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 <sup>d</sup> 96-hr Avg. ≤ 230	X		*				X		X									
Sulfate - mg/l		S.V. ≤ 250							*											
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*						X									

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>c</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 81.** NAC 445A.1498 is hereby amended to read as follows:

445A.1498 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 <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. ≤ 20 $\Delta T = 0$			*	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		<sup>c</sup>			*			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 <sup>a</sup>											
			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 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			X		X				
Sulfate - mg/l		S.V. ≤ 250						*						
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*					X				
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>e</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 82. NAC 445A.1502 is hereby amended to read as follows:

445A.1502 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 <sup>a</sup>																		
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh								
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Species of Concern			Trout.																		
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X															
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*										
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X	X		X										
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*		X	X												
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X			*		X		X									
Nitrite (as N) - mg/l		S.V. $\leq 0.06$	X		*				X		X										
Total Ammonia (as N) - mg/l		<sup>c</sup>			*				X												
Total Suspended Solids - mg/l		S.V. $\leq 25$			*																
Turbidity - NTU		S.V. $\leq 10$			*																
Color - PCU		S.V. $\leq 75$							*												
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*												
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*				X		X										
Sulfate - mg/l		S.V. $\leq 250$							*												
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*						X										
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>e</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X														
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X											

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

*<sup>e</sup> The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 83.** NAC 445A.1504 is hereby amended to read as follows:

445A.1504 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 <sup>a</sup>														
			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																	
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X				*		X						
Nitrite (as N) - mg/l		S.V. $\leq 0.06$	X		*				X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Suspended Solids - mg/l		S.V. $\leq 25$			*												
Turbidity - NTU		S.V. $\leq 10$			*												
Color - PCU		S.V. $\leq 75$							*								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less)	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*			X		X							
Sulfate - mg/l		S.V. $\leq 250$							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*						X						
E. coli - <del>No./100 ml</del> <i>cfu/100 mL</i>		<del>A.G.M.</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

- <sup>b</sup> 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.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- <sup>d</sup> One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.
- <sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 84.** NAC 445A.1506 is hereby amended to read as follows:

445A.1506 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 <sup>a</sup>														
			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																	
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 24$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X			*		X							
Nitrite (as N) - mg/l		S.V. $\leq 1.0$	X		*			X		X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Suspended Solids - mg/l		S.V. $\leq 80$			*												
Turbidity - NTU		S.V. $\leq 50$			*												
Color - PCU		S.V. $\leq 75$						*									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*									
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*			X		X							
Sulfate - mg/l		S.V. $\leq 250$						*									
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*					X							

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>c</sup>		<del>[A:G.M.]</del> 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 85.** NAC 445A.1508 is hereby amended to read as follows:

445A.1508 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 <sup>a</sup>											
			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 <sup>b</sup> - °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		<sup>c</sup>			*			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 <sup>a</sup>												
			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 <sup>d</sup> 96-hr Avg. ≤ 230	X		*				X		X				
Sulfate - mg/l		S.V. ≤ 250							*						
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*						X				
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>e</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 86.** NAC 445A.1512 is hereby amended to read as follows:

445A.1512 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 <sup>a</sup>														
			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																	
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X				*		X						
Nitrite (as N) - mg/l		S.V. $\leq 0.06$	X		*				X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*				X								
Total Suspended Solids - mg/l		S.V. $\leq 25$			*												
Turbidity - NTU		S.V. $\leq 10$			*												
Color - PCU		S.V. $\leq 75$							*								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less)	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*				X		X						
Sulfate - mg/l		S.V. $\leq 250$							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*						X						
E. coli - <del>No./100 ml</del> <i>cfu/100 mL</i>		<del>A.G.M.</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 87. NAC 445A.1514 is hereby amended to read as follows:

445A.1514 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 <sup>a</sup>														
			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																	
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.025$			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X				*		X						
Nitrite (as N) - mg/l		S.V. $\leq 0.06$	X		*				X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*				X								
Total Suspended Solids - mg/l		S.V. $\leq 25$			*												
Turbidity - NTU		S.V. $\leq 10$			*												
Color - PCU		S.V. $\leq 75$								*							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*				X		X						
Sulfate - mg/l		S.V. $\leq 250$							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*						X						
E. coli - [No./100 ml] <i>cfu/100 mL</i>		[A.G.M.] G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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



<sup>e</sup> The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.

**Sec. 88.** NAC 445A.1516 is hereby amended to read as follows:

445A.1516 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 <sup>a</sup>														
			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																	
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 24$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X				*		X						
Nitrite (as N) - mg/l		S.V. $\leq 1.0$	X		*				X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Suspended Solids - mg/l		S.V. $\leq 80$			*												
Turbidity - NTU		S.V. $\leq 50$			*												
Color - PCU		S.V. $\leq 75$							*								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*				X		X						
Sulfate - mg/l		S.V. $\leq 250$							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*						X						
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>e</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

- <sup>d</sup> One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.  
<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 89.** NAC 445A.1518 is hereby amended to read as follows:

445A.1518 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C		S.V. ≤ 20 ΔT = 0			*	X											
ΔT <sup>b</sup> - °C		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
pH - SU		S.V. ≥ 6.0	X		*	X	X	X		X							
Dissolved Oxygen - mg/l		S.V. ≤ 0.10			*	*	X	X									
Total Phosphorus (as P) - mg/l		S.V. ≤ 10	X	X				*		X							
Nitrate (as N) - mg/l		S.V. ≤ 0.06	X		*			X	X	X							
Nitrite (as N) - mg/l		<sup>c</sup>			*			X									
Total Ammonia (as N) - mg/l		S.V. ≤ 25			*												
Total Suspended Solids - mg/l		S.V. ≤ 10			*												
Turbidity - NTU		S.V. ≤ 75							*								
Color - PCU		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X						*							
Total Dissolved Solids - mg/l		1-hr Avg. ≤ 860 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			X		X							
Chloride - mg/l		S.V. ≤ 250							*								
Sulfate - mg/l		S.V. ≥ 20			*						X						
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		[A.G.M.] G.M. ≤ 126 S.V. ≤ 410			*	X											
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>e</sup></i>		S.V. ≤ 1,000	X	*			X	X		X							
Fecal Coliform - No./100 ml																	

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 90.** NAC 445A.1522 is hereby amended to read as follows:

445A.1522 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 <sup>a</sup>														
			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																	
Temperature °C ΔT <sup>b</sup> - °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		<sup>c</sup>			*				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 <sup>d</sup> 96-hr Avg. ≤ 230	X		*				X		X						
Sulfate - mg/l		S.V. ≤ 250								*							
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*							X					
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>e</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 91.** NAC 445A.1524 is hereby amended to read as follows:

445A.1524 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq$ 10	X		X				*		X						
Nitrite (as N) - mg/l		S.V. $\leq$ 0.06	X		*				X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*				X								
Total Suspended Solids - mg/l		S.V. $\leq$ 25			*												
Turbidity - NTU		S.V. $\leq$ 10			*												
Color - PCU		S.V. $\leq$ 75							*								
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less)	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq$ 860 <sup>d</sup> 96-hr Avg. $\leq$ 230	X		*				X		X						
Sulfate - mg/l		S.V. $\leq$ 250							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq$ 20			*						X						
E. coli - <del>No./100 ml</del> <i>cfu/100 mL</i> <sup>e</sup>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq$ 126 S.V. $\leq$ 410				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 92. NAC 445A.1526 is hereby amended to read as follows:

445A.1526 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X				*		X						
Nitrite (as N) - mg/l		S.V. $\leq 0.06$	X		*				X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*				X								
Total Suspended Solids - mg/l		S.V. $\leq 25$			*												
Turbidity - NTU		S.V. $\leq 10$			*												
Color - PCU		S.V. $\leq 75$								*							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*				X		X						
Sulfate - mg/l		S.V. $\leq 250$							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*							X					
E. coli - [No./100 ml] <i>cfu/100 mL</i>		[A.G.M.] G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

*<sup>e</sup> The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 93.** NAC 445A.1527 is hereby amended to read as follows:

445A.1527 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 <sup>a</sup>														
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
Beneficial Uses			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 <sup>b</sup>			*	*	X										
Nitrogen Species (as N) - mg/l		Nitrate <sup>b</sup>	X		*						X						
		Nitrite <sup>b</sup>	X		*						X						
		Total Nitrogen <sup>b</sup>			*	X	X				X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*												
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 <sup>d</sup>	X		*						X						
		96-hr. Avg. ≤ 230															
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>e</sup>		<del>[A.G.M.] G.M. ≤ 126</del> S.V. ≤ <del>[576] 410</del>				*	X										
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X				X				*						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 94. NAC 445A.1528 is hereby amended to read as follows:

445A.1528 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq$ 10	X	X				*		X							
Nitrite (as N) - mg/l		S.V. $\leq$ 0.06	X	X	*				X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Suspended Solids - mg/l		S.V. $\leq$ 25			*												
Turbidity - NTU		S.V. $\leq$ 10			*												
Color - PCU		S.V. $\leq$ 75							*								
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X						*							
Chloride - mg/l		1-hr Avg. $\leq$ 860 <sup>d</sup> 96-hr Avg. $\leq$ 230	X		*				X		X						
Sulfate - mg/l		S.V. $\leq$ 250							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq$ 20			*						X						
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>e</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq$ 126 S.V. $\leq$ 410				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.



- <sup>b</sup> 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.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- <sup>d</sup> One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.
- <sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 95.** NAC 445A.1532 is hereby amended to read as follows:

445A.1532 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C		S.V. ≤ 20			*	X											
ΔT <sup>b</sup> - °C		ΔT = 0															
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		<sup>c</sup>			*			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 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			X			X						
Sulfate - mg/l		S.V. ≤ 250						*									
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*						X						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>c</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 96.** NAC 445A.1534 is hereby amended to read as follows:

445A.1534 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 <sup>a</sup>												
			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			Trout.												
Temperature - °C $\Delta T^b$ - °C		S.V. ≤ 20 $\Delta T = 0$			*	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		<sup>c</sup>			*			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 <sup>a</sup>											
			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 <sup>d</sup> 96-hr Avg ≤ 230	X		*			X		X				
Sulfate - mg/l		S.V. ≤ 250						*						
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*					X				
E. coli - <del>100</del> <b>10<sup>4</sup> cfu/100 mL<sup>c</sup></b>		<del>A.G.M.]</del> <b>G.M.] ≤ 126</b> 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 97.** NAC 445A.1536 is hereby amended to read as follows:

445A.1536 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 <sup>a</sup>											
			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			Trout.											
Temperature - °C		S.V. ≤ 20			*	X								
ΔT <sup>b</sup> - °C		ΔT = 0												
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 <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Nitrate (as N) - mg/l		S.V. $\leq$ 10	X	X				*		X					
Nitrite (as N) - mg/l		S.V. $\leq$ 0.06	X		*			X		X					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Suspended Solids - mg/l		S.V. $\leq$ 25			*										
Turbidity - NTU		S.V. $\leq$ 10			*										
Color - PCU		S.V. $\leq$ 75							*						
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X					*						
Chloride - mg/l		1-hr Avg. $\leq$ 860 <sup>d</sup> 96-hr Avg. $\leq$ 230	X		*			X		X					
Sulfate - mg/l		S.V. $\leq$ 250							*						
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq$ 20			*					X					
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL</i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq$ 126 S.V. $\leq$ 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 98.** NAC 445A.1538 is hereby amended to read as follows:

445A.1538 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq$ 10	X		X				*		X						
Nitrite (as N) - mg/l		S.V. $\leq$ 0.06	X		*				X	X	X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*				X								
Total Suspended Solids - mg/l		S.V. $\leq$ 25			*												
Turbidity - NTU		S.V. $\leq$ 10			*												
Color - PCU		S.V. $\leq$ 75							*								
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq$ 860 <sup>d</sup> 96-hr Avg. $\leq$ 230	X		*				X		X						
Sulfate - mg/l		S.V. $\leq$ 250							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq$ 20			*						X						
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL</i> <sup>e</sup>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq$ 126 S.V. $\leq$ 410				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 99. NAC 445A.1542 is hereby amended to read as follows:

445A.1542 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 <sup>a</sup>														
			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																	
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq 10$	X	X				*		X							
Nitrite (as N) - mg/l		S.V. $\leq 0.06$	X		*			X		X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Suspended Solids - mg/l		S.V. $\leq 25$			*												
Turbidity - NTU		S.V. $\leq 10$			*												
Color - PCU		S.V. $\leq 75$							*								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*									
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*			X		X							
Sulfate - mg/l		S.V. $\leq 250$							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*					X							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>e</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

*<sup>e</sup> The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 100.** NAC 445A.1544 is hereby amended to read as follows:

445A.1544 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq$ 10	X		X			*		X							
Nitrite (as N) - mg/l		S.V. $\leq$ 0.06	X		*			X		X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Suspended Solids - mg/l		S.V. $\leq$ 25			*												
Turbidity - NTU		S.V. $\leq$ 10			*												
Color - PCU		S.V. $\leq$ 75						*									
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*									
Chloride - mg/l		1-hr Avg. $\leq$ 860 <sup>d</sup> 96-hr Avg. $\leq$ 230	X		*			X		X							
Sulfate - mg/l		S.V. $\leq$ 250						*									
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq$ 20			*					X							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL</i> <sup>e</sup>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq$ 126 S.V. $\leq$ 410				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*				X	X	X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

- <sup>b</sup> 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.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- <sup>d</sup> One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.
- <sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 101.** NAC 445A.1546 is hereby amended to read as follows:

445A.1546 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 <sup>a</sup>														
			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																	
Temperature - °C $\Delta T^b - ^\circ C$		S.V. $\leq 24$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq 10$	X	X				*		X							
Nitrite (as N) - mg/l		S.V. $\leq 1.0$	X		*			X		X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Suspended Solids - mg/l		S.V. $\leq 80$			*												
Turbidity - NTU		S.V. $\leq 50$			*												
Color - PCU		S.V. $\leq 75$						*									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*									
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*			X		X							
Sulfate - mg/l		S.V. $\leq 250$						*									
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*					X							
E. coli - [No./100 ml] cfu/100 mL <sup>e</sup>		[A.G.M.] G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X	X							



\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 102.** NAC 445A.1548 is hereby amended to read as follows:

445A.1548 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 <sup>a</sup>													
			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																
Temperature - °C		S.V. ≤ 20			*	X										
ΔT <sup>b</sup> - °C		ΔT = 0														
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		<sup>c</sup>			*			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 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			X		X						
Sulfate - mg/l		S.V. ≤ 250						*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*					X						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>c</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 103.** NAC 445A.1552 is hereby amended to read as follows:

445A.1552 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 <sup>a</sup>															
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh					
Beneficial Uses			X	X	X	X	X	X	X	X	X	X						
Aquatic Life Species of Concern			Trout.															
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X												
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*							
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X			X							
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X										
Nitrate (as N) - mg/l		S.V. $\leq$ 10	X	X				*		X		X						
Nitrite (as N) - mg/l		S.V. $\leq$ 0.06	X		*				X		X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*				X									
Total Suspended Solids - mg/l		S.V. $\leq$ 25			*													
Turbidity - NTU		S.V. $\leq$ 10			*													
Color - PCU		S.V. $\leq$ 75							*									
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X					*									
Chloride - mg/l		1-hr Avg. $\leq$ 860 <sup>d</sup> 96-hr Avg. $\leq$ 230	X		*				X		X							
Sulfate - mg/l		S.V. $\leq$ 250							*									
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq$ 20			*						X							
E. coli - <del>No./100 ml</del> <sup>†</sup> cfu/100 mL <sup>e</sup>		<del>I.A.G.M.</del> <sup>†</sup> G.M. $\leq$ 126 S.V. $\leq$ 410					*	X										
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*				X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

*<sup>e</sup> The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 104.** NAC 445A.1554 is hereby amended to read as follows:

445A.1554 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 <sup>a</sup>														
			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																	
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X											
pH - SU		S.V. $\geq$ 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq$ 10	X		X				*		X						
Nitrite (as N) - mg/l		S.V. $\leq$ 0.06	X		*				X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*				X								
Total Suspended Solids - mg/l		S.V. $\leq$ 25			*												
Turbidity - NTU		S.V. $\leq$ 10			*												
Color - PCU		S.V. $\leq$ 75							*								
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq$ 860 <sup>d</sup> 96-hr Avg. $\leq$ 230	X		*				X		X						
Sulfate - mg/l		S.V. $\leq$ 250							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq$ 20			*						X						
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>e</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ 410				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

- <sup>b</sup> 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.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- <sup>d</sup> One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.
- <sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 105.** NAC 445A.1556 is hereby amended to read as follows:

445A.1556 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 <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X	X	X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X				*		X					
Nitrite (as N) - mg/l		S.V. $\leq 0.06$	X		*			X	X	X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Suspended Solids - mg/l		S.V. $\leq 25$			*											
Turbidity - NTU		S.V. $\leq 10$			*											
Color - PCU		S.V. $\leq 75$							*							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*			X	X	X						
Sulfate - mg/l		S.V. $\leq 250$							*							
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*						X					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
E. coli - <del>No./100 ml</del> <b>cfu/100 mL<sup>e</sup></b>		<del>A.G.M.</del> <b>G.M. ≤ 126</b> 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 106.** NAC 445A.1558 is hereby amended to read as follows:

445A.1558 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 <sup>a</sup>												
			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			Trout.												
Temperature - °C $\Delta T^b$ - °C		S.V. ≤ 20 $\Delta T = 0$			*	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		<sup>c</sup>			*			X							

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
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 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			X		X				
Sulfate - mg/l		S.V. ≤ 250						*						
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*					X				
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>e</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 107.** NAC 445A.1562 is hereby amended to read as follows:

445A.1562 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 <sup>a</sup>																		
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh								
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Species of Concern																					
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 34$ $\Delta T \leq 3$			*	X															
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*											
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X	X		X										
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.33$			*	*	X	X													
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X			*		X		X									
Nitrite (as N) - mg/l		S.V. $\leq 1.0$	X		*				X	X											
Total Ammonia (as N) - mg/l		c			*			X													
Total Suspended Solids - mg/l		S.V. $\leq 80$			*																
Turbidity - NTU		S.V. $\leq 50$			*																
Color - PCU		S.V. $\leq 75$							*												
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*												
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*			X		X											
Sulfate - mg/l		S.V. $\leq 250$						*													
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*						X										
E. coli - <del>No./100 ml</del> cfu/100 mL		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X														
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X											

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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



<sup>e</sup> The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.

**Sec. 108.** NAC 445A.1564 is hereby amended to read as follows:

445A.1564 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq$ 10	X		X				*		X						
Nitrite (as N) - mg/l		S.V. $\leq$ 0.06	X		*				X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Suspended Solids - mg/l		S.V. $\leq$ 25			*												
Turbidity - NTU		S.V. $\leq$ 10			*												
Color - PCU		S.V. $\leq$ 75							*								
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq$ 860 <sup>d</sup> 96-hr Avg. $\leq$ 230	X		*				X		X						
Sulfate - mg/l		S.V. $\leq$ 250							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq$ 20			*						X						
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>e</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ 410				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.  
<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 109.** NAC 445A.1566 is hereby amended to read as follows:

445A.1566 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C ΔT <sup>b</sup> - °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		<sup>c</sup>			*			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 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			X		X							
Sulfate - mg/l		S.V. ≤ 250							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*						X						
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>e</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 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.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- <sup>b</sup> 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.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- <sup>d</sup> One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.
- <sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 110.** NAC 445A.1568 is hereby amended to read as follows:

445A.1568 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X			*			X						
Nitrite (as N) - mg/l		S.V. $\leq 0.06$	X		*				X		X						
Total Ammonia (as N) - mg/l	<sup>c</sup>				*				X								
Total Suspended Solids - mg/l		S.V. $\leq 25$			*												
Turbidity - NTU		S.V. $\leq 10$			*												
Color - PCU		S.V. $\leq 75$							*								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*				X		X						
Sulfate - mg/l		S.V. $\leq 250$							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*						X						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>c</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 111.** NAC 445A.1572 is hereby amended to read as follows:

445A.1572 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X			*		X							
Nitrite (as N) - mg/l		S.V. $\leq 0.06$	X		*				X	X							
Total Ammonia (as N) - mg/l		c			*				X								
Total Suspended Solids - mg/l		S.V. $\leq 25$			*												
Turbidity - NTU		S.V. $\leq 10$			*												
Color - PCU		S.V. $\leq 75$							*								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*				X		X						
Sulfate - mg/l		S.V. $\leq 250$							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*						X						
E. coli - <del>No./100 ml</del> cfu/100 mL		<del>A.G.M.</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.

**Sec. 112.** NAC 445A.1574 is hereby amended to read as follows:

445A.1574 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C ΔT <sup>b</sup> - °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		<sup>c</sup>			*			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 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			X		X							
Sulfate - mg/l		S.V. ≤ 250						*									
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*					X							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>e</sup>		<del>{A.G.M.}</del> 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

- <sup>b</sup> 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.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- <sup>d</sup> One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.
- <sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 113.** NAC 445A.1576 is hereby amended to read as follows:

445A.1576 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 <sup>a</sup>													
			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			Trout.													
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 114.** NAC 445A.1578 is hereby amended to read as follows:

445A.1578 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Nitrate (as N) - mg/l		S.V. $\leq 10$	X		X				*		X						
Nitrite (as N) - mg/l		S.V. $\leq 0.06$	X		*				X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*				X								
Total Suspended Solids - mg/l		S.V. $\leq 25$			*												
Turbidity - NTU		S.V. $\leq 10$			*												
Color - PCU		S.V. $\leq 75$							*								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
Chloride - mg/l		1-hr Avg. $\leq 860^d$ 96-hr Avg. $\leq 230$	X		*				X		X						
Sulfate - mg/l		S.V. $\leq 250$							*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq 20$			*						X						
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>e</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



Sec. 115. NAC 445A.1626 is hereby amended to read as follows:

445A.1626 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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	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 ΔT = 0			*	X										
ΔT <sup>b</sup> - °C																
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	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 A-Avg. ≤ 0.25 S.V. ≤ 0.32	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		<sup>f</sup>												*		
Plankton Count - No./ml		Avg. (Jun-Sep) ≤ 100.0 S.V. ≤ 500.0												*		
Turbidity		<sup>c</sup>			*									*		
Clarity		<sup>d</sup>			*									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 - <del>100-1000</del> cfu/100 mL <sup>e</sup>		S.V. ≤ 126.0				*	X									

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Coliform Organisms - MPN/100 ml		e	X	X		*	X	X		X				

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

<sup>c</sup> To minimize turbidity levels in Lake Tahoe and tributary streams and control erosion:

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>d</sup> The vertical extinction coefficient must be less than 0.08 per meter when measured at any depth below the first meter.

<sup>e</sup> Turbidity must not exceed 3 NTU at any point of the lake too shallow to determine a reliable extinction coefficient.

<sup>e</sup> 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

<sup>f</sup> 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.

<sup>g</sup> *The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 116.** NAC 445A.1628 is hereby amended to read as follows:

445A.1628 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	WATER QUALITY	Beneficial Use <sup>a</sup>
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	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	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. 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 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		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 - <del>No./100 ml</del> <i>cfu/100 mL</i> <sup>b</sup>		S.V. ≤ 126.0				*	X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> *The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 117.** NAC 445A.1632 is hereby amended to read as follows:

445A.1632 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 <sup>a</sup>										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>														
			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. 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 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. ≤ 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 - <del>100</del> <sup>b</sup> <del>mfu</del> cfu/100 mL		S.V. ≤ 126.0			*	X											

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> *The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 118.** NAC 445A.1634 is hereby amended to read as follows:

445A.1634 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 <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Beneficial Uses			X	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	*			
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 S.V. ≤ 0.06	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 - <del>No./100 mL</del> <b>cfu/100 mL</b>		S.V. ≤ 126.0			*	X								

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> *The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 119.** NAC 445A.1636 is hereby amended to read as follows:

445A.1636 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 <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	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 - 8.3	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 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. ≤ 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 - <del>[No. /100 mL]</del> <i>cfu/100 mL</i>		S.V. ≤ 126.0			*	X									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> *The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 120.** NAC 445A.1638 is hereby amended to read as follows:

445A.1638 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 <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	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	*					
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 S.V. ≤ 0.06	X		X			*		X			*		
Un-ionized 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 - <del>[No./100 ml]</del> cfu/100 mL <sup>b</sup>		S.V. ≤ 126.0			*	X									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> *The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 121.** NAC 445A.1642 is hereby amended to read as follows:

445A.1642 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 <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	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					*		
Nitrogen Species (as N) - mg/l	Total Nitrogen 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] cfu/100 mL <sup>b</sup>		S.V. ≤ 126.0			*	X									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> *The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 122.** NAC 445A.1644 is hereby amended to read as follows:



445A.1644 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 <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	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 - 8.2	S.V. 6.5 - 9.0	X	X	*	*	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 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. ≤ 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 - <del>{No./100 mL}</del> cfu/100 mL <sup>b</sup>		S.V. ≤ 126.0			*	X									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> *The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 123.** NAC 445A.1646 is hereby amended to read as follows:

445A.1646 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 <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	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	*					
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 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. ≤ 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		*											
E. coli - <del>{No. /100 mL}</del> <i>cfu/100 mL<sup>b</sup></i>		S.V. ≤ 126.0			*	X									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> *The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 124.** NAC 445A.1648 is hereby amended to read as follows:

445A.1648 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 <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	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 - 8.2	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 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. ≤ 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 - <del>[No./100 ml]</del> cfu/100 mL <sup>b</sup>		S.V. ≤ 126.0			*	X									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> *The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 125.** NAC 445A.1652 is hereby amended to read as follows:

445A.1652 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 <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Beneficial Uses			X	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		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 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. ≤ 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 - <del>{No./100 ml}</del> cfu/100 mL <sup>b</sup>		S.V. ≤ 126.0			*	X								

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> *The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 126.** NAC 445A.1654 is hereby amended to read as follows:

445A.1654 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 <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	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 - 8.2	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 S.V. ≤ 0.06	X		X			*		X		*			
Un-ionized 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 - <del>[No./100 ml]</del> cfu/100 mL <sup>b</sup>		S.V. ≤ 126.0				*	X								

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> *The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 127.** NAC 445A.1656 is hereby amended to read as follows:

445A.1656 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 <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	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 - 8.2	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	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 S.V. ≤ 0.06	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 - <del>{No/100 ml}</del> cfu/100 mL <sup>b</sup>		S.V. ≤ 126.0				*	X								

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> *The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 128.** NAC 445A.1658 is hereby amended to read as follows:

445A.1658 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 <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	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 - 8.5	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. ≤ 0.035 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 S.V. ≤ 0.06	X		X			*		X				*	
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 - <del>[No./100 ml]</del> <i>cfu/100 mL</i>		S.V. ≤ 126.0			*	X									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> *The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 129.** NAC 445A.1662 is hereby amended to read as follows:

445A.1662 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 <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	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				*	
Un-ionized 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						*						*	
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 - <del>[No./100 ml]</del> <i>cfu/100 mL</i>		S.V. ≤ 126.0			*	X									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> *The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



**Sec. 130.** NAC 445A.1664 is hereby amended to read as follows:

445A.1664 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 <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	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. ≤ 0.100	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 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		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 - <del>{No./100 ml}</del> <i>cfu/100 mL</i>		S.V. ≤ 126.0			*	X									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> *The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 131.** NAC 445A.1666 is hereby amended to read as follows:

445A.1666 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 <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	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. ≤ 0.065	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 S.V. ≤ 0.06	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 - <del>[N<sub>e</sub>/100 mL]</del> cfu/100 mL <sup>b</sup>		S.V. ≤ 126.0				*	X								

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> *The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 132. NAC 445A.1682 is hereby amended to read as follows:

445A.1682 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 <sup>a</sup>												
			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		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									
ΔT <sup>b</sup> - °C	ΔT = 0														
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 S.V. ≤ 0.04			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*										
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	<sup>d</sup>	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 <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X					

E. coli - <del>[No./100 ml]</del> cfu/100 mL		<del>[A.G.M.]</del> 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 133.** NAC 445A.1684 is hereby amended to read as follows:

445A.1684 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 <sup>a</sup>											
			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			All life stages of mountain whitefish, rainbow trout and brown trout.											
Temperature - °C		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				*	X							
ΔT <sup>b</sup> - °C	ΔT = 0	ΔT ≤ 2												
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. Apr-Oct ≥ 5.0	X		*	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 S.V. ≤ 0.04			*	*	X	X						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
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							*							
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 <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X					
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>e</sup>		<del>{A.G.M.}</del> 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 134.** NAC 445A.1686 is hereby amended to read as follows:

445A.1686 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 <sup>a</sup>													
			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		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										
ΔT <sup>b</sup> - °C	ΔT = 0															
pH - SU	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. 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	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 S.V. ≤ 0.04			*	*	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	<sup>a</sup>	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 <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>e</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> ≤ 126 <i>S.V.</i> ≤ 410				*	X							
Fecal Coliform - No./100 ml	A.G.M. ≤ 75.0 <i>S.V.</i> ≤ 350.0	<i>S.V.</i> ≤ 1,000	X	*			X	X		X				
BOD - mg/l		A-Avg. ≤ 3.0 <i>S.V.</i> ≤ 5.0						*						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 135.** NAC 445A.1688 is hereby amended to read as follows:

445A.1688 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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			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 <sup>c</sup> S.V. May ≤ 22 <sup>c,d</sup> S.V. Jun-Oct ≤ 23 <sup>c,d</sup> ΔT ≤ 2			*	X								
ΔT <sup>b</sup> - °C	ΔT = 0													
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						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Nitrogen Species (as N) - mg/l		Total N A-Avg. ≤ 0.75 Total N S.V. ≤ 1.2 Nitrate S.V. ≤ 2.0 Nitrite S.V. ≤ 0.04			*	*	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	<sup>1</sup>	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 <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X					
E. coli - <del>{No./100 mL}</del> <i>cfu/100 mL<sup>g</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

<sup>c</sup> When flows are adequate to induce spawning runs of cui-ui and Lahontan cutthroat trout, the standard is 14°C from April through June.

<sup>d</sup> The desired temperature for the protection of juvenile Lahontan cutthroat trout is 21°C, even though that temperature is not attainable at all times.

<sup>e</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

<sup>f</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>g</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 136.** NAC 445A.1692 is hereby amended to read as follows:

445A.1692 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 <sup>a</sup>													
			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			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		S.V. Nov-Mar ≤ 13 S.V. Apr ≤ 21 <sup>c</sup> S.V. May ≤ 22 <sup>c,d</sup> S.V. Jun-Oct ≤ 23 <sup>c,d</sup>			*	X										
ΔT <sup>b</sup> - °C	ΔT = 0	ΔT ≤ 2														
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. ≤ 0.75 Total N S.V. ≤ 1.2 Nitrate S.V. ≤ 2.0 Nitrite S.V. ≤ 0.04			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>e</sup>			*											
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	<sup>f</sup>	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 <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X					
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>g</sup></i>		<del>{A.G.M.}</del> <i>G.M. ≤ 126</i> 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

<sup>c</sup> When flows are adequate to induce spawning runs of cui-ui and Lahontan cutthroat trout, the standard is 14°C from April through June.

- <sup>d</sup> The desired temperature for the protection of juvenile Lahontan cutthroat trout is 21°C, even though that temperature is not attainable at all times.
- <sup>e</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- <sup>f</sup> Increase in color must not be more than 10 PCU above natural conditions.
- <sup>g</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 137.** NAC 445A.1694 is hereby amended to read as follows:

445A.1694 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 <sup>a</sup>														
			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			Early spawning Lahontan cutthroat trout and their incubation, larvae, juveniles and migration, from May through June, depending on hydrologic conditions.														
Temperature - °C		S.V. Nov-Mar ≤ 13 <sup>c</sup> S.V. Apr-Jun ≤ 14 <sup>c</sup> S.V. Jul-Oct ≤ 25 <sup>d</sup> ΔT ≤ 2			*	X											
ΔT <sup>b</sup> - °C	ΔT = 0				*	X				X	X	*					
pH - SU	S.V. 7.1 - 8.6	S.V. 6.5 - 9.0 ΔpH ± 0.5	X	X	X	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. Nov-Jun ≥ 6.0 S.V. July-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. ≤ 0.75 Total N S.V. ≤ 1.2 Nitrate S.V. ≤ 2.0 Nitrite S.V. ≤ 0.04			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>e</sup>			*												
Suspended Solids - mg/l	A-Avg. ≤ 25.0	S.V. ≤ 50			*												
Turbidity - NTU		S.V. ≤ 10			*			X									
Color - PCU	<sup>f</sup>	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							
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 <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>g</sup>		<del>{A.G.M.}</del> 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

<sup>c</sup> 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.

<sup>d</sup> The desired temperature for the protection of juvenile Lahontan cutthroat trout is 21°C, even though that temperature is not attainable at all times.

<sup>e</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

<sup>f</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>g</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 138.** NAC 445A.1698 is hereby amended to read as follows:

445A.1698 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 <sup>a</sup>													
			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																
Temperature - °C		Avg. Jun-Sep ≤ 20.0 S.V. Summer ≤ 25.0 S.V. Winter ≤ 13.0			*	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. ≤ 0.1 <sup>b</sup>			*	*	X	X								
Nitrogen Species (as N)- mg/l		Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06 Total Nitrogen <sup>d</sup>	X X		*	*			X		X X					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*											
Turbidity - NTU		S.V. ≤ 10			*											
Color - PCU		S.V. ≤ 75							*							
Total Dissolved Solids - mg/l		S.V. ≤ 500	X	X					*							
Chloride - mg/l		1-hr Avg. ≤ 860 <sup>d</sup> 96-hr Avg. ≤ 230	X		*				X		X					
Sulfate - mg/l		S.V. ≤ 250							*							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>e</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 139.** NAC 445A.1702 is hereby amended to read as follows:

445A.1702 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 <sup>a</sup>													
			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																
Temperature - °C		Avg. Jun-Sep ≤ 20.0 S.V. Summer ≤ 25.0 S.V. Winter ≤ 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 <sup>b</sup>			*	*	X	X								
Nitrogen Species (as N)- mg/l		Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06 Total Nitrogen <sup>d</sup>	X X		*	*			X		X X					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*											
Turbidity - NTU		S.V. ≤ 10			*											
Color - PCU		S.V. ≤ 75							*							
Total Dissolved Solids - mg/l		S.V. ≤ 500	X	X					*							
Chloride - mg/l		1-hr Avg. ≤ 860 <sup>d</sup> 96-hr Avg. ≤ 230	X		*				X		X					
Sulfate - mg/l		S.V. ≤ 250							*							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>e</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

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

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 140.** NAC 445A.1704 is hereby amended to read as follows:

445A.1704 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 <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X		*				
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X				
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		c			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*						
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL</i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X				

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 141.** NAC 445A.1706 is hereby amended to read as follows:

445A.1706 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 <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.025$			*	*	X	X								
Total Ammonia (as N) - mg/l		c			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 142.** NAC 445A.1708 is hereby amended to read as follows:

445A.1708 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



**Sec. 143.** NAC 445A.1722 is hereby amended to read as follows:

445A.1722 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 <sup>a</sup>													
			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																
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 34 $\Delta T \leq$ 3			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 5.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.33			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ <del>{235}</del> 410				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 144.** NAC 445A.1724 is hereby amended to read as follows:

445A.1724 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 <sup>a</sup>														
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
Beneficial Uses			X	X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern																	
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 34 $\Delta T \leq 3$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
Dissolved Oxygen - mg/l		S.V. $\geq$ 5.0	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.33			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ 410				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 145.** NAC 445A.1726 is hereby amended to read as follows:

445A.1726 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 <sup>a</sup>												
			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 - <del>[No./100 ml]</del> <i>cfu/100 mL</i> <sup>c</sup>		<del>[A.G.M.]</del> <i>G.M.</i> ≤ 126 S.V. ≤ <del>[576]</del> <i>410</i>				*	X								

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

<sup>c</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 146.** NAC 445A.1728 is hereby amended to read as follows:

445A.1728 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 <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq$ 126 S.V. $\leq$ 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 147.** NAC 445A.1732 is hereby amended to read as follows:

445A.1732 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 <sup>a</sup>																		
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh								
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Species of Concern			Trout.																		
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X															
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*										
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X	X		X										
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X													
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X													
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*												
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X														
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X										

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 148.** NAC 445A.1734 is hereby amended to read as follows:

445A.1734 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ <del>{576}</del> 410				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 149.** NAC 445A.1736 is hereby amended to read as follows:

445A.1736 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 <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 150.** NAC 445A.1738 is hereby amended to read as follows:

445A.1738 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



**Sec. 151.** NAC 445A.1742 is hereby amended to read as follows:

445A.1742 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 <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.025			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq$ 126 S.V. $\leq$ 410				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 152. NAC 445A.1744 is hereby amended to read as follows:

445A.1744 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 <sup>a</sup>													
			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			Trout.													
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq$ 126 S.V. $\leq$ <del>[235]</del> 410				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 153.** NAC 445A.1746 is hereby amended to read as follows:

445A.1746 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 <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X			*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 154.** NAC 445A.1748 is hereby amended to read as follows:

445A.1748 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 <sup>a</sup>													
			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			Trout.													
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 155.** NAC 445A.1752 is hereby amended to read as follows:

445A.1752 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 <sup>a</sup>													
			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			Trout.													
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T \leq$ 3			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.33			*	*	X	X								
Total Ammonia (as N) - mg/l		c			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X					*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ 410				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*				X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 156.** NAC 445A.1754 is hereby amended to read as follows:

445A.1754 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 <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 157.** NAC 445A.1756 is hereby amended to read as follows:

445A.1756 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 <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 158.** NAC 445A.1758 is hereby amended to read as follows:

445A.1758 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 <sup>a</sup>												
			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															
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 24$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l					*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>No./100 ml</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



**Sec. 159.** NAC 445A.1762 is hereby amended to read as follows:

445A.1762 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 <sup>a</sup>											
			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 - <del>No./100 ml</del> cfu/100 mL <sup>c</sup>		<del>A.G.M.</del> G.M. ≤ 126 S.V. ≤ <del>576</del> 410				*	X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

<sup>c</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 160.** NAC 445A.1764 is hereby amended to read as follows:

445A.1764 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 <sup>a</sup>													
			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																
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 34 $\Delta T \leq$ 3			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq$ 5.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.33			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ <del>{576}</del> 410				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 161.** NAC 445A.1796 is hereby amended to read as follows:

445A.1796 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 <sup>a</sup>													
			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			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 ΔT ≤ 2			*	X										
ΔT <sup>b</sup> - °C	ΔT = 0															
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 <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X						
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>c</sup>		<del>[A.G.M.]</del> G.M. ≤ 126 S.V. ≤ 410				*	X									
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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 162.** NAC 445A.1798 is hereby amended to read as follows:

445A.1798 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 <sup>a</sup>												
			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			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 ΔT ≤ 2				*	X								
ΔT <sup>b</sup> - °C	ΔT = 0														
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		<sup>c</sup>			*										
Suspended Solids - mg/l		S.V. ≤ 25			*										
Turbidity - NTU		S.V. ≤ 10			*			X							
Color - PCU	<sup>a</sup>	S.V. ≤ 75						*							
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							

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X			
E. coli - [No./100 ml] cfu/100 mL <sup>c</sup>		[A.G.M.] 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 163.** NAC 445A.1802 is hereby amended to read as follows:

445A.1802 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 <sup>a</sup>											
			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			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 <sup>b</sup> - °C	ΔT = 0	ΔT ≤ 2												
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. ≤ 0.03 S.V. ≤ 0.065	A-Avg. ≤ 0.10			*	*	X	X						
Nitrogen Species	Total Nitrogen	Nitrate S.V. ≤ 10	X		*	X	X	*		X				

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>																	
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh							
(as N) - mg/l	A-Avg. $\leq$ 0.5 S.V. $\leq$ 1.1	Nitrite S.V. $\leq$ 0.06																		
Total Ammonia (as N) - mg/l		<sup>c</sup>			*															
Suspended Solids - mg/l		S.V. $\leq$ 25			*															
Turbidity - NTU	A-Avg. $\leq$ 5 S.V. $\leq$ 8	S.V. $\leq$ 10			*				X											
Color - PCU	<sup>d</sup>	S.V. $\leq$ 75							*											
Total Dissolved Solids - mg/l	A-Avg. $\leq$ 145 S.V. $\leq$ 185	A-Avg. $\leq$ 500	X	X					*											
Chloride - mg/l	A-Avg. $\leq$ 3 S.V. $\leq$ 5	S.V. $\leq$ 250	X	X					*			X								
Sulfate - mg/l	S.V. $\leq$ 3	S.V. $\leq$ 250							*											
Sodium - SAR	A-Avg. $\leq$ 2	A-Avg. $\leq$ 8			*				X											
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*							X								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>e</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ 410				*	X													
Fecal Coliform - No./100 ml	A.G.M. $\leq$ 40 S.V. $\leq$ 60	S.V. $\leq$ 1,000	X	*			X	X			X									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 164.** NAC 445A.1804 is hereby amended to read as follows:

445A.1804 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 <sup>a</sup>													
			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			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 ΔT ≤ 2														
ΔT <sup>b</sup> - °C	ΔT = 0				*	X										
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 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. ≤ 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 <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X					
E. coli - {No./100 ml} cfu/100 mL <sup>e</sup>		{A-G-M} G.M. ≤ 126 S.V. ≤ 410				*	X									

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 165.** NAC 445A.1806 is hereby amended to read as follows:

445A.1806 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 <sup>a</sup>												
			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			Rainbow trout and brown trout.												
Temperature - °C		S.V. Nov-May ≤ 13°C S.V. Jun ≤ 17°C S.V. Jul ≤ 21°C S.V. Aug-Oct ≤ 22°C				*	X								
ΔT <sup>b</sup> - °C	ΔT = 0	ΔT ≤ 2°C													
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	Total Nitrogen	Nitrate S.V. ≤ 10	X		*	X	X	*		X					



PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>																		
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh								
(as N) - mg/l	A-Avg. $\leq$ 0.5 S.V. $\leq$ 0.8	Nitrite S.V. $\leq$ 0.06																			
Total Ammonia (as N) - mg/l		c			*																
Suspended Solids - mg/l		S.V. $\leq$ 80			*																
Turbidity - NTU		S.V. $\leq$ 10			*				X												
Color - PCU	d	S.V. $\leq$ 75							*												
Total Dissolved Solids - mg/l	A-Avg. $\leq$ 180 S.V. $\leq$ 205	A-Avg. $\leq$ 500	X	X					*												
Chloride - mg/l	A-Avg. $\leq$ 8 S.V. $\leq$ 10	S.V. $\leq$ 250	X	X					*			X									
Sulfate - mg/l		S.V. $\leq$ 250							*												
Sodium - SAR	A-Avg. $\leq$ 2	A-Avg. $\leq$ 8			*				X												
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*							X									
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>e</sup>		<del>[A.G.M.]</del> G.M. $\leq$ 126 S.V. $\leq$ 410				*	X														
Fecal Coliform - No./100 ml	A.G.M. $\leq$ 50	S.V. $\leq$ 1,000	X	*				X	X		X										

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 166.** NAC 445A.1808 is hereby amended to read as follows:

445A.1808 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	WATER QUALITY	Beneficial Use <sup>a</sup>
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	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
			X	X	X	X	X	X	X	X	X		
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Catfish, rainbow trout and brown trout.										
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23			*	X							
ΔT <sup>b</sup> - °C	ΔT = 0	ΔT ≤ 2											
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		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 <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X			
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>e</sup>		<del>{A.G.M.}</del> 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 167.** NAC 445A.1812 is hereby amended to read as follows:

445A.1812 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 <sup>a</sup>													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Species of Concern			Catfish, rainbow trout and brown trout.													
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2				*	X									
ΔT <sup>b</sup> - °C	ΔT = 0															
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 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. ≤ 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 <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X					
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL*</i>		<del>{A-G.M.}</del> <b>G.M.</b> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 168.** NAC 445A.1814 is hereby amended to read as follows:

445A.1814 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 <sup>a</sup>													
			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			Rainbow trout and brown trout.													
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23														
ΔT <sup>b</sup> - °C	ΔT = 0	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. ≤ 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 <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X						
E. coli - [No./100 ml] cfu/100 mL <sup>e</sup>		[A-G.M.] 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 169.** NAC 445A.1816 is hereby amended to read as follows:

445A.1816 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 <sup>a</sup>														
			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			Smallmouth bass, rainbow trout and brown trout.														
Temperature - °C		S.V. Nov-May ≤ 18 S.V. Jun-Oct ≤ 23			*	X											
ΔT <sup>b</sup> - °C	ΔT = 0	ΔT ≤ 2															
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 S.V. ≤ 0.06	X		*	X	X	*		X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*												
Suspended Solids - mg/l		S.V. ≤ 80			*												
Turbidity - NTU		S.V. ≤ 10			*			X									
Color - PCU	<sup>d</sup>	S.V. ≤ 75							*								
Total Dissolved Solids - mg/l	A-Avg. ≤ 260 S.V. ≤ 375	A-Avg. ≤ 500	X	X					*								
Chloride - mg/l	A-Avg. ≤ 13 S.V. ≤ 24	S.V. ≤ 250	X	X					*		X						
Sulfate - mg/l		S.V. ≤ 250							*								
Sodium - SAR	A-Avg. ≤ 2	A-Avg. ≤ 8			*			X									
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X						
E. coli - [No./100 mL] <i>cfu/100 mL</i> <sup>e</sup>		[A.G.M.] 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

- <sup>b</sup> 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.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- <sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.
- <sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 170.** NAC 445A.1818 is hereby amended to read as follows:

445A.1818 The limits of this table apply to the body of water known as the Carson River from New Empire to the Dayton Bridge. This segment of the Carson River is located in Carson City and Lyon County.

**STANDARDS OF WATER QUALITY**  
**Carson River at Dayton Bridge**

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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			Walleye, channel catfish and white bass.													
Temperature - °C		S.V. Nov-Mar ≤ 11 S.V. Apr-Jun ≤ 24 S.V. Jul-Oct ≤ 28 ΔT ≤ 2				*	X									
ΔT <sup>b</sup> - °C	ΔT = 0					*	X									
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. ≥ 5.0	X		*	X	X	X		X						
Total Phosphates (as P) - mg/l		A-Avg. ≤ 0.1			*	*	X	X								
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. ≤ 1.2 S.V. ≤ 1.6	Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 1.0	X		*	X	X	*		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*											
Suspended Solids - mg/l		S.V. ≤ 80			*											
Turbidity - NTU	A-Avg. ≤ 12 S.V. ≤ 25	S.V. ≤ 50			*			X								
Color - PCU	<sup>d</sup>	S.V. ≤ 75							*							
Total Dissolved Solids - mg/l	A-Avg. ≤ 250 S.V. ≤ 400	A-Avg. ≤ 500	X	X					*							
Chloride - mg/l	A-Avg. ≤ 10 S.V. ≤ 18	S.V. ≤ 250	X	X					*		X					
Sulfate - mg/l		S.V. ≤ 250							*							
Sodium - SAR	A-Avg. ≤ 2	A-Avg. ≤ 8			*			X								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X					
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>e</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 126 S.V. ≤ 410				*	X									

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Fecal Coliform - No./100 ml	A.G.M. ≤ 50 S.V. ≤ 280	S.V. ≤ 1,000	X	*				X	X		X				

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 171.** NAC 445A.1822 is hereby amended to read as follows:

445A.1822 The limits of this table apply to the body of water known as the Carson River from the Dayton Bridge to Lahontan Reservoir. This segment of the Carson River is located in Lyon County.

## STANDARDS OF WATER QUALITY

### Carson River at Lahontan Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Species of Concern			Walleye, channel catfish and white bass.												
Temperature - °C		S.V. Nov-Mar ≤ 11 S.V. Apr-Jun ≤ 24 S.V. Jul-Oct ≤ 28													
ΔT <sup>b</sup> - °C	ΔT = 0	ΔT ≤ 2			*	X									
pH - SU	S.V. 7.5 - 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		A-Avg. ≤ 0.1			*	*	X	X							
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. ≤ 0.6 S.V. ≤ 1.1	Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 1.0	X		*	X	X	*		X					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*										



PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Suspended Solids - mg/l		S.V. ≤ 80			*										
Turbidity - NTU	A-Avg. ≤ 25	S.V. ≤ 50			*			X							
Color - PCU	<sup>d</sup>	S.V. ≤ 75						*							
Total Dissolved Solids - mg/l	A-Avg. ≤ 250 S.V. ≤ 380	A-Avg. ≤ 500	X	X				*							
Chloride - mg/l	A-Avg. ≤ 10 S.V. ≤ 18	S.V. ≤ 250	X	X				*		X					
Sulfate - mg/l	A-Avg. ≤ 100 S.V. ≤ 140	S.V. ≤ 250						*							
Sodium - SAR	A-Avg. ≤ 2	A-Avg. ≤ 8		*				X							
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X					
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>c</sup>		<del>A.G.M.]</del> G.M. ≤ 126 S.V. ≤ 410				*	X								
Fecal Coliform - No./100 ml	A.G.M. ≤ 90 S.V. ≤ 240	S.V. ≤ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 172.** NAC 445A.1824 is hereby amended to read as follows:

445A.1824 The limits of this table apply to the entire body of water known as Lahontan

Reservoir. Lahontan Reservoir is located in Churchill and Lyon Counties.

## STANDARDS OF WATER QUALITY

### Lahontan Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Species of Concern			Walleye, channel catfish and white bass.												
Temperature - °C		S.V. Nov-Mar ≤ 11 S.V. Apr-Jun ≤ 24 S.V. Jul-Oct ≤ 28													
ΔT <sup>b</sup> - °C	ΔT = 0	ΔT ≤ 2			*	X									

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>d</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
pH - SU		S.V. 6.5 - 9.0 $\Delta$ pH $\pm$ 0.5	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 5.0 <sup>e</sup>	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		Avg. Jun-Sept $\leq$ 0.09 <sup>d</sup>			*	*	X	X							
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. $\leq$ 1.3 S.V. $\leq$ 1.7	Nitrate S.V. $\leq$ 10 Nitrite S.V. $\leq$ 1.0	X		*	X	X	*		X					
Total Ammonia (as N) - mg/l		<sup>e</sup>			*										
Suspended Solids - mg/l		S.V. $\leq$ 25			*										
Turbidity - NTU	A-Avg. $\leq$ 15 S.V. $\leq$ 27	S.V. $\leq$ 50			*			X							
Color - PCU	<sup>f</sup>	S.V. $\leq$ 75						*							
Total Dissolved Solids - mg/l	A-Avg. $\leq$ 175 S.V. $\leq$ 225	A-Avg. $\leq$ 500	X	X				*							
Chloride - mg/l	A-Avg. $\leq$ 9 S.V. $\leq$ 15	1-hr Avg. $\leq$ 860 <sup>g</sup> 96-hr Avg. $\leq$ 230	X		*			X		X					
Sulfate - mg/l	A-Avg. $\leq$ 35 S.V. $\leq$ 50	S.V. $\leq$ 250						*							
Sodium - SAR	A-Avg. $\leq$ 2	A-Avg. $\leq$ 8			*			X							
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. $\geq$ 20			*					X					
E. coli - <del>No./100 ml</del> <i>cfu/100 mL</i> <sup>h</sup>		<del>A.G.M.</del> <i>G.M.</i> $\leq$ 126 S.V. $\leq$ <del>235</del> <i>410</i>				*	X								
Fecal Coliform - No./100 ml	A.G.M. $\leq$ 25 S.V. $\leq$ 75	S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

<sup>c</sup> When reservoir is stratified, the dissolved oxygen criterion applies only to epilimnion.

<sup>d</sup> June-September average for a basin within the upper meter of the water column.

<sup>e</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

<sup>f</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>g</sup> One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

<sup>h</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 173.** NAC 445A.1826 is hereby amended to read as follows:

445A.1826 The limits of this table apply to the body of water known as the Lower Carson River from Lahontan Reservoir to the Carson Sink (the natural channel). This segment of the Lower Carson River is located in Churchill County.

## STANDARDS OF WATER QUALITY

## Lower Carson River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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																
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 34$ $\Delta T \leq 3$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.33$			*	*	X	X								
Total Ammonia (as N) - mg/l		c			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>d</sup>		<del>A.G.M.</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 174.** NAC 445A.1828 is hereby amended to read as follows:

445A.1828 The limits of this table apply to the body of water known as Daggett Creek from its origin to the Carson River. Daggett Creek is located in Douglas County.

STANDARDS OF WATER QUALITY

Daggett Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X			*				
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq$ 126 S.V. $\leq$ 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 175.** NAC 445A.1832 is hereby amended to read as follows:

445A.1832 The limits of this table apply to the body of water known as 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. Genoa Creek is located in Douglas County.

## STANDARDS OF WATER QUALITY

### Genoa Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X				

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 176.** NAC 445A.1834 is hereby amended to read as follows:

445A.1834 The limits of this table apply to the body of water known as 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. Sierra Canyon Creek is located in Douglas County.

## STANDARDS OF WATER QUALITY

### Sierra Canyon Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X			*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X			X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		c			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 177.** NAC 445A.1836 is hereby amended to read as follows:

445A.1836 The limits of this table apply to the body of water known as Clear Creek 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. This segment of Clear Creek is located in Carson City and Douglas County.

## STANDARDS OF WATER QUALITY

### Clear Creek at the gaging station

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 178.** NAC 445A.1838 is hereby amended to read as follows:

445A.1838 The limits of this table apply to the body of water known as Clear Creek 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. This segment of Clear Creek is located in Carson City and Douglas County.

## STANDARDS OF WATER QUALITY

### Clear Creek at the Carson River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Species of Concern			Trout												
Temperature - °C ΔT <sup>b</sup> - °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 - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 179.** NAC 445A.1842 is hereby amended to read as follows:



445A.1842 The limits of this table apply to the body of water known as 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. Kings Canyon is located in Carson City.

STANDARDS OF WATER QUALITY

Kings Canyon

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 180.** NAC 445A.1844 is hereby amended to read as follows:

445A.1844 The limits of this table apply to the body of water known as 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. Ash Canyon is located in Carson City.

## STANDARDS OF WATER QUALITY

### Ash Canyon

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		c			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 181.** NAC 445A.1846 is hereby amended to read as follows:

445A.1846 The limits of this table apply to the body of water known as V-Line Canal from the Carson diversion dam to its division into the S and L Canals. V-Line Canal is located in Churchill County.

STANDARDS OF WATER QUALITY

V-Line Canal

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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																
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 34$ $\Delta T \leq 3$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.33$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq$ <del>1576</del> 410					*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 182. NAC 445A.1848 is hereby amended to read as follows:

445A.1848 The limits of this table apply to the entire body of water known as Rattlesnake Reservoir, also known as S-Line Reservoir. Rattlesnake Reservoir is located in Churchill County.

## STANDARDS OF WATER QUALITY

### Rattlesnake Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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																
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 34$ $\Delta T \leq 3$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.33$			*	*	X	X								
Total Ammonia (as N) - mg/l		c			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq$ <del>[576]</del> 410				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 183.** NAC 445A.1852 is hereby amended to read as follows:

445A.1852 The limits of this table apply to the body of water known as Indian Lakes, including Upper Lake, Likes Lake, Papoose Lake, Big Indian Lake, Little Cottonwood Lake, Big Cottonwood Lake and East Lake. Indian Lakes is located in Churchill County.

## STANDARDS OF WATER QUALITY

### Indian Lakes

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>														
			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																	
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 34$ $\Delta T \leq 3$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.33$			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 184.** NAC 445A.1854 is hereby amended to read as follows:

445A.1854 The limits of this table apply to the entire body of water known as Diagonal Drain. Diagonal Drain is located in Churchill County.

STANDARDS OF WATER QUALITY

Diagonal Drain

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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															
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 34$ $\Delta T \leq 3$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.33$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 185.** NAC 445A.1856 is hereby amended to read as follows:

445A.1856 The limits of this table apply to the entire body of water known as South Carson Lake, also known as Government Pasture and the Greenhead Gun Club. South Carson Lake is located in Churchill County.

## STANDARDS OF WATER QUALITY

### South Carson Lake

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>														
			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																	
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 34$ $\Delta T \leq 3$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.33$			*	*	X	X									
Total Ammonia (as N) - mg/l		c			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M. <math>\leq 126</math></i> <i>S.V. <math>\leq</math> <del>{576}</del> <b>410</b></i>				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 186.** NAC 445A.1858 is hereby amended to read as follows:

445A.1858 The limits of this table apply to the entire body of water known as Harmon Reservoir. Harmon Reservoir is located in Churchill County.

## STANDARDS OF WATER QUALITY

### Harmon Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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																
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 34$ $\Delta T \leq 3$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.33$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq$ <del>[576]</del> 410				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



**Sec. 187.** NAC 445A.1862 is hereby amended to read as follows:

445A.1862 The limits of this table apply to the body of water known as Stillwater Marsh east of Westside Road and north of the community of Stillwater. This segment of Stillwater Marsh is located in Churchill County.

STANDARDS OF WATER QUALITY

Stillwater Marsh east of Westside Road

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>														
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
Beneficial Uses			X	X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern																	
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 34$ $\Delta T \leq 3$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.33$			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq$ <del>[576]</del> 410				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 188.** NAC 445A.1864 is hereby amended to read as follows:

445A.1864 The limits of this table apply to the body of water known as Stillwater Marsh west of Westside Road and south of the community of Stillwater. This segment of Stillwater Marsh is located in Churchill County.

STANDARDS OF WATER QUALITY

Stillwater Marsh west of Westside Road

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 - <del>[No./100 ml]</del> cfu/100 mL		A.G.M. ≤ 630					*								

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

<sup>b</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

**Sec. 189.** NAC 445A.1886 is hereby amended to read as follows:

445A.1886 The limits of this table apply to the body of water known as the West Fork of the Walker River at the California-Nevada state line. This segment of the West Fork of the Walker River is located in Douglas County.

STANDARDS OF WATER QUALITY

Walker River, West Fork at the state line

PARAMETER	REQUIREMENTS	WATER QUALITY	Beneficial Use <sup>a</sup>
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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	X	X	X
Aquatic Life Species of Concern			Mountain whitefish, rainbow trout and brown trout.										
Temperature - °C	S.V. Jul-Oct ≤ 22	S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X							
ΔT <sup>b</sup> - °C	ΔT = 0												
pH - SU		S.V. 6.5 - 9.0 ΔpH ± 0.5	X	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	X			
Total Phosphates (as P) - mg/l		A-Avg. ≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. ≤ 0.6 S.V. ≤ 0.9	Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06	X		*	X	X	*		X			
Total Ammonia (as N) - mg/l		<sup>c</sup>			*								
Suspended Solids - mg/l	A-Avg. ≤ 60	S.V. ≤ 80			*								
Turbidity - NTU		<sup>d</sup>			*			X					
Color - PCU	S.V. ≤ 26	S.V. ≤ 75			X			*					
Total Dissolved Solids - mg/l	A-Avg. ≤ 165 S.V. ≤ 220	A-Avg. ≤ 500	X	X				*					
Chloride - mg/l	A-Avg. ≤ 15 S.V. ≤ 20	S.V. ≤ 250	X	X				*		X			
Sulfate - mg/l	S.V. ≤ 25	S.V. ≤ 250						*					
Sodium - SAR		A-Avg. ≤ 8			*			X					
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X			
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL</i> <sup>e</sup>		<del>{A-G.M.}</del> <i>G.M.</i> ≤ 126 S.V. ≤ 410				*	X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 190.** NAC 445A.1888 is hereby amended to read as follows:

445A.1888 The limits of this table apply to the body of water known as Topaz Lake at various points in Topaz Lake. Topaz Lake is located in Douglas County.

STANDARDS OF WATER QUALITY

Topaz Lake

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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, cutthroat trout, brown trout, kokanee salmon and silver salmon.													
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X										
ΔT <sup>b</sup> - °C	ΔT = 0															
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. ≤ 0.05 S.V. ≤ 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	A-Avg. ≤ 6.0 S.V. ≤ 9.0	S.V. ≤ 25			*											
Turbidity - NTU	A-Avg. ≤ 3.0 S.V. ≤ 5.0	e			*			X								
Color - PCU	S.V. ≤ 21	S.V. ≤ 75			X			*								
Total Dissolved Solids - mg/l	A-Avg. ≤ 105 S.V. ≤ 120	A-Avg. ≤ 500	X	X				*								
Chloride - mg/l	A-Avg. ≤ 7 S.V. ≤ 10	S.V. ≤ 250	X	X				*		X						
Sulfate - mg/l	S.V. ≤ 25	S.V. ≤ 250						*								
Sodium - SAR		A-Avg. ≤ 8		*				X								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X						
E. coli - <del>[No./100 ml]</del> cfu/100 mL		<del>[A.G.M.]</del> G.M. ≤ 126 S.V. ≤ <del>[235]</del> 410				*	X									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> The dissolved oxygen standard from June to October applies only to the epilimnion.

<sup>e</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.

<sup>f</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 191.** NAC 445A.1892 is hereby amended to read as follows:

445A.1892 The limits of this table apply to the body of water known as the West Fork of the Walker River from the California-Nevada state line to near Wellington. This segment of the West Fork of the Walker River is located in Douglas and Lyon Counties.

## STANDARDS OF WATER QUALITY

### Walker River, West Fork near Wellington

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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			Mountain whitefish, rainbow trout and brown trout.												
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X									
ΔT <sup>b</sup> - °C	ΔT = 0														
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. ≤ 0.07 S.V. ≤ 0.10	A-Avg. ≤ 0.1			*	*	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		<sup>c</sup>			*										
Suspended Solids - mg/l		S.V. ≤ 80			*										
Turbidity - NTU		<sup>d</sup>			*			X							
Color - PCU		S.V. ≤ 75			X			*							
Total Dissolved Solids - mg/l	A-Avg. ≤ 175 S.V. ≤ 260	A-Avg. ≤ 500	X	X				*							
Chloride - mg/l	A-Avg. ≤ 16 S.V. ≤ 30	S.V. ≤ 250	X	X				*		X					
Sulfate - mg/l		S.V. ≤ 250						*							
Sodium - SAR		A-Avg. ≤ 8			*			X							
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X					
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>e</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 126 S.V. ≤ 410				*	X								

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 192.** NAC 445A.1894 is hereby amended to read as follows:

445A.1894 The limits of this table apply to the body of water known as the West Fork of the Walker River near Wellington to its confluence with the East Fork of the Walker River near Nordyke Road. This segment of the West Fork of the Walker River is located in Lyon County.

## STANDARDS OF WATER QUALITY

### Walker River, West Fork at the East Fork of the Walker River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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			Brown trout and rainbow trout.												
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X									
ΔT <sup>b</sup> - °C	ΔT = 0														
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	S.V. ≤ 0.15	A-Avg. ≤ 0.10			*	*	X	X							
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. ≤ 1.0 S.V. ≤ 1.2	Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06	X		*	X	X	*		X					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*										
Suspended Solids - mg/l		S.V. ≤ 80			*										
Turbidity - NTU		<sup>d</sup>			*		X								
Color - PCU	S.V. ≤ 46	S.V. ≤ 75			X			*							
Total Dissolved Solids - mg/l	A-Avg. ≤ 330 S.V. ≤ 425	A-Avg. ≤ 500	X	X				*							
Chloride - mg/l	A-Avg. ≤ 22 S.V. ≤ 28	S.V. ≤ 250	X	X				*		X					
Sulfate - mg/l	S.V. ≤ 74	S.V. ≤ 250						*							
Sodium - SAR		A-Avg. ≤ 8			*			X							

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X			
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>c</sup>		<del>{A.G.M.}</del> G.M. ≤ 126 S.V. ≤ 410				*	X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 193.** NAC 445A.1896 is hereby amended to read as follows:

445A.1896 The limits of this table apply to the body of water known as Sweetwater Creek from the California-Nevada state line to its confluence with the East Fork of the Walker River. Sweetwater Creek is located in Lyon County.

## STANDARDS OF WATER QUALITY

### Sweetwater Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Species of Concern			Mountain whitefish, brown trout, brook trout and rainbow trout.											
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X								
ΔT <sup>b</sup> - °C	ΔT = 0													
pH - SU		S.V. 6.5 - 9.0 ΔpH ± 0.5	X	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	X	X			
Total Phosphates (as P) - mg/l		A-Avg. ≤ 0.1			*	*	X	X						
Nitrogen Species	Total Nitrate	Nitrate S.V. ≤ 10	X		*	X	X	*		X				

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>																	
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh							
(as N) - mg/l	A-Avg. ≤ 0.25 S.V. ≤ 0.45	Nitrite S.V. ≤ 0.06																		
Total Ammonia (as N) - mg/l		c			*															
Suspended Solids - mg/l	S.V. ≤ 45	S.V. ≤ 80			*															
Turbidity - NTU		d			*				X											
Color - PCU		S.V. ≤ 75			X				*											
Total Dissolved Solids - mg/l	A-Avg. ≤ 220 S.V. ≤ 300	A-Avg. ≤ 500	X	X					*											
Chloride - mg/l	A-Avg. ≤ 5 S.V. ≤ 7	S.V. ≤ 250	X	X					*		X									
Sulfate - mg/l		S.V. ≤ 250							*											
Sodium - SAR		A-Avg. ≤ 8			*				X											
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*							X								
E. coli - <del>{No./100 mL}</del> <i>cfu/100 mL</i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 126 S.V. ≤ 410			*		X													

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



Sec. 194. NAC 445A.1898 is hereby amended to read as follows:

445A.1898 The limits of this table apply to the body of water known as the East Fork of the Walker River at the California-Nevada state line. This segment of the East Fork of the Walker River is located in Lyon County.

STANDARDS OF WATER QUALITY

Walker River, East Fork at the state line

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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			Mountain whitefish, rainbow trout and brown trout.													
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X										
ΔT <sup>b</sup> - °C	ΔT = 0															
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. ≤ 0.1			*	*	X	X								
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. ≤ 0.8 S.V. ≤ 1.4	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. ≤ 30	S.V. ≤ 80			*											
Turbidity - NTU		d			*			X								
Color - PCU		S.V. ≤ 75			X			*								
Total Dissolved Solids - mg/l	A-Avg. ≤ 175 S.V. ≤ 210	A-Avg. ≤ 500	X	X				*								
Chloride - mg/l	A-Avg. ≤ 5 S.V. ≤ 7	S.V. ≤ 250	X	X				*		X						
Sulfate - mg/l	S.V. ≤ 26	S.V. ≤ 250						*								
Sodium - SAR	A-Avg. ≤ 2	A-Avg. ≤ 8			*			X								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X						
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>e</sup>		<del>{A.G.M.}</del> G.M. ≤ 126 S.V. ≤ 410			*	X										

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

- <sup>b</sup> 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.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- <sup>d</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.
- <sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 195.** NAC 445A.1902 is hereby amended to read as follows:

445A.1902 The limits of this table apply to the body of water known as the East Fork of the Walker River from the California-Nevada state line to Bridge B-1475. This segment of the East Fork of the Walker River is located in Lyon County.

### STANDARDS OF WATER QUALITY

#### Walker River, East Fork at Bridge B-1475

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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			Mountain whitefish, rainbow trout and brown trout.													
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X										
ΔT <sup>b</sup> - °C	ΔT = 0															
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		X					
Total Phosphates (as P) - mg/l		A-Avg. ≤ 0.10			*	*	X	X								
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. ≤ 0.9 S.V. ≤ 1.7	Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06	X		*	X	X	*			X					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*											
Suspended Solids - mg/l		S.V. ≤ 80			*											
Turbidity - NTU		<sup>d</sup>			*			X								
Color - PCU		S.V. ≤ 75			X			*								
Total Dissolved Solids - mg/l	A-Avg. ≤ 320 S.V. ≤ 390	A-Avg. ≤ 500	X	X				*								
Chloride - mg/l	A-Avg. ≤ 13 S.V. ≤ 19	S.V. ≤ 250	X	X				*			X					
Sulfate - mg/l		S.V. ≤ 250						*								
Sodium - SAR		A-Avg. ≤ 8			*			X								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL</i>		<del>[A.G.M.]</del> <i>G.M.</i> ≤ 126 S.V. ≤ 410				*	X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 196.** NAC 445A.1904 is hereby amended to read as follows:

445A.1904 The limits of this table apply to the body of water known as the East Fork of the Walker River from Bridge B-1475 to its confluence with the West Fork of the Walker River near Nordyke Road. This segment of the East Fork of the Walker River is located in Lyon County.

## STANDARDS OF WATER QUALITY

### Walker River, East Fork at the West Fork of the Walker River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			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			Brown trout and rainbow trout.											
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X								
ΔT <sup>b</sup> - °C	ΔT = 0													
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. ≤ 0.16 S.V. ≤ 0.39			*	*	X	X						
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. ≤ 0.9 S.V. ≤ 1.7	Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06	X		*	X	X	*		X				
Total Ammonia (as N) - mg/l		<sup>c</sup>			*									

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Suspended Solids - mg/l		S.V. ≤ 80			*									
Turbidity - NTU		<sup>d</sup>			*			X						
Color - PCU		S.V. ≤ 75			X			*						
Total Dissolved Solids - mg/l	A-Avg. ≤ 320 S.V. ≤ 390	A-Avg. ≤ 500	X	X				*						
Chloride - mg/l	A-Avg. ≤ 13 S.V. ≤ 19	S.V. ≤ 250	X	X				*		X				
Sulfate - mg/l	S.V. ≤ 44	S.V. ≤ 250						*						
Sodium - SAR		A-Avg. ≤ 8			*			X						
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X				
E. coli - <del>[No./100 mL]</del> cfu/100 mL <sup>e</sup>		[A.G.M.] G.M. ≤ 126 S.V. ≤ 410				*	X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 197.** NAC 445A.1906 is hereby amended to read as follows:

445A.1906 The limits of this table apply to the body of water known as the Walker River from the confluence of the East Fork of the Walker River and the West Fork of the Walker River to the exterior border of the Walker River Indian Reservation. This segment of the Walker River is located in Lyon County.

## STANDARDS OF WATER QUALITY

### Walker River at the Walker River Indian Reservation

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Species of Concern			Channel catfish and largemouth bass.											

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Temperature - °C $\Delta T^b$ - °C	$\Delta T = 0$	S.V. Nov-Mar $\leq 13$ S.V. Apr-Jun $\leq 23^c$ S.V. Jul-Oct $\leq 28$ $\Delta T \leq 2$			*	X										
pH - SU		S.V. 6.5 - 9.0 $\Delta pH \pm 0.5$	X	X	*	*			X	X	X					
Dissolved Oxygen - mg/l		S.V. Nov-May $\geq 6.0$ S.V. Jun-Oct $\geq 5.0$	X		*	X	X	X	X		X					
Total Phosphates (as P) - mg/l		A-Avg. $\leq 0.26$ S.V. $\leq 0.40$			*	*	X	X								
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. $\leq 1.2$ S.V. $\leq 1.5$	Nitrate S.V. $\leq 10$ Nitrite S.V. $\leq 1^d$	X		*	X	X	*			X					
Total Ammonia (as N) - mg/l		<sup>e</sup>			*											
Suspended Solids - mg/l		S.V. $\leq 80$			*											
Turbidity - NTU		<sup>f</sup>			*			X								
Color - PCU		S.V. $\leq 75$			X			*								
Total Dissolved Solids - mg/l	A-Avg. $\leq 400$ S.V. $\leq 450$	A-Avg. $\leq 500$	X	X				*								
Chloride - mg/l	A-Avg. $\leq 30$ S.V. $\leq 35$	S.V. $\leq 250$	X	X				*			X					
Sulfate - mg/l	A-Avg. $\leq 95$ S.V. $\leq 110$	S.V. $\leq 250$						*								
Sodium - SAR	S.V. $\leq 3$	A-Avg. $\leq 8$			*			X								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X					
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>g</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

<sup>b</sup> 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.

<sup>c</sup> The temperature beneficial use standard is  $\leq 21^\circ\text{C}$  from February through June when Lahontan cutthroat trout are present in the reach from Walker Lake to Weber Reservoir.

<sup>d</sup> The nitrite beneficial use standard is  $\leq 0.06$  mg/l from February through June when Lahontan cutthroat trout are present in the reach from Walker Lake to the Weber Reservoir.

<sup>e</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

<sup>f</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.

<sup>g</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 198.** NAC 445A.1908 is hereby amended to read as follows:

445A.1908 The limits of this table apply to the Walker River from the exterior border of the Walker River Indian Reservation to Walker Lake. This segment of the Walker River is located in Mineral County.

# STANDARDS OF WATER QUALITY

## Walker River at Walker Lake

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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			Channel catfish, largemouth bass and, from February through June when an adequate flow exists, adult Lahontan cutthroat trout and adult rainbow trout.													
Temperature - °C		S.V. Nov-Mar ≤ 13 S.V. Apr-Jun ≤ 23 <sup>c</sup> S.V. Jul-Oct ≤ 28 ΔT ≤ 2			*	X										
ΔT <sup>b</sup> - °C	ΔT = 0															
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. ≤ 0.17 S.V. ≤ 0.23			*	*	X	X								
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. ≤ 1.2 S.V. ≤ 1.5	Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 1.0 <sup>d</sup> Ammonia (un-ionized) ≤ 0.06	X		*	X	X	*		X						
Suspended Solids - mg/l	S.V. ≤ 60	S.V. ≤ 80			*											
Turbidity - NTU		<sup>e</sup>			*			X								
Color - PCU		S.V. ≤ 75			X			*								
Total Dissolved Solids - mg/l	A-Avg. ≤ 390 S.V. ≤ 570	A-Avg. ≤ 500	X	X				*								
Chloride - mg/l	A-Avg. ≤ 23 S.V. ≤ 34	S.V. ≤ 250	X	X				*		X						
Sulfate - mg/l		S.V. ≤ 250						*								
Sodium - SAR	S.V. ≤ 3	A-Avg. ≤ 8			*			X								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X						
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL</i>		<del>[A.G.M.]</del> <i>G.M.</i> ≤ 126 S.V. ≤ <del>[235]</del> 410					*	X								

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

<sup>b</sup> 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.

<sup>c</sup> The temperature beneficial use standard is ≤ 21°C from February through June when Lahontan cutthroat trout are present.

<sup>d</sup> The nitrite beneficial use standard is ≤ 0.06 mg/l from February through June when Lahontan cutthroat trout are present.

<sup>e</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.

<sup>f</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 199.** NAC 445A.1914 is hereby amended to read as follows:

445A.1914 The limits of this table apply to the entire body of water known as Walker Lake.

Walker Lake is located in Mineral County.

## STANDARDS OF WATER QUALITY

### Walker Lake

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Beneficial Uses					X	X	X				X			
Aquatic Life Species of Concern			Tui chub, Tahoe sucker, and adult and juvenile Lahontan cutthroat trout.											
Temperature - °C $\Delta T^b$ - °C		$\Delta T \leq 2$			*									
pH - SU		S.V. 6.5 - 9.7			*	X					X			
Dissolved Oxygen - mg/l		S.V. $\geq 5^d$			*	X	X				X			
Total Phosphates (as P) - mg/l		S.V. $\leq 0.82$			*									
Nitrogen Species (as N) - mg/l	Total Inorganic Nitrogen S.V. $\leq 0.3$	Nitrate S.V. $\leq 90$ Nitrite S.V. $\leq 0.06$			*						X			
Total Ammonia (as N) - mg/l		<sup>c</sup>			*									
Suspended Solids - mg/l		S.V. $\leq 25$			*									
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL</i> <sup>e</sup>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq$ <del>{235}</del> <b>410</b>			*	X								

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone.

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

<sup>d</sup> When lake is stratified, the dissolved oxygen applies only to the epilimnion.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 200.** NAC 445A.1916 is hereby amended to read as follows:

445A.1916 The limits of this table apply to the body of water known as Desert Creek from the California-Nevada state line to its confluence with the West Fork of the Walker River. Desert Creek is located in Douglas and Lyon Counties.

## STANDARDS OF WATER QUALITY

### Desert Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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			Brown trout, brook trout and rainbow trout.												
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X									
ΔT <sup>b</sup> - °C	ΔT = 0														
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	X					
Total Phosphates (as P) - mg/l	S.V. ≤ 0.13	A-Avg. ≤ 0.1			*	*	X	X							
Nitrogen Species (as N) - mg/l	Total Nitrate A-Avg. ≤ 0.20 S.V. ≤ 0.27	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		d			*			X							
Color - PCU		S.V. ≤ 75			X			*							
Total Dissolved Solids - mg/l	A-Avg. ≤ 110 S.V. ≤ 130	A-Avg. ≤ 500	X	X				*							
Chloride - mg/l	A-Avg. ≤ 5 S.V. ≤ 7	S.V. ≤ 250	X	X				*		X					
Sulfate - mg/l		S.V. ≤ 250						*							
Sodium - SAR		A-Avg. ≤ 8			*			X							
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X					
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>e</sup>		<del>{A.G.M.}</del> G.M. ≤ 126 S.V. ≤ 410			*	X									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



**Sec. 201.** NAC 445A.1918 is hereby amended to read as follows:

445A.1918 The limits of this table apply to the bodies of water in the Mason Valley Wildlife Management Area known as Hinkson Slough, Bass Pond, Crappie Pond and North Pond. This segment of the Mason Valley Wildlife Management Area is located in Lyon County.

STANDARDS OF WATER QUALITY

Mason Valley Wildlife Management Area -

Bass, Crappie and North Ponds and Hinkson Slough

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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			Trout.												
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T \leq 3$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.33			*	*	X	X							
Total Ammonia (as N) - mg/l		c			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X					*						
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>d</sup>		<del>A.G.M.</del> G.M. $\leq$ 126 S.V. $\leq$ <del>1576</del> 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*				X	X	X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 202.** NAC 445A.1922 is hereby amended to read as follows:

445A.1922 The limits of this table apply to the body of water known as the Mason Valley Wildlife Management Area for all surface water impoundments, excluding Hinkson Slough, Bass Pond, Crappie Pond and North Pond. This segment of the Mason Valley Wildlife Management Area is located in Lyon County.

## STANDARDS OF WATER QUALITY

### Mason Valley Wildlife Management Area

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>														
			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																	
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 34$ $\Delta T \leq 3$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*			X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X			X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.33$			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq$ <del>[576]</del> 410				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 203.** NAC 445A.1926 is hereby amended to read as follows:

445A.1926 The limits of this table apply to the body of water known as Cottonwood Creek from its origin to the point of diversion of the Hawthorne Naval Ammunition Depot, near the north line of section 34, T. 9 N., R. 28 E., M.D.B. & M. This segment of Cottonwood Creek is located in Mineral County.

## STANDARDS OF WATER QUALITY

### Cottonwood Creek

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

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 204.** NAC 445A.1928 is hereby amended to read as follows:

445A.1928 The limits of this table apply to the body of water known as Squaw Creek from its origin to the point of diversion of the Hawthorne Naval Ammunition Depot, near the north line of section 33, T. 9 N., R. 29 E., M.D.B. & M. Squaw Creek is located in Mineral County.

## STANDARDS OF WATER QUALITY

### Squaw Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		c			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 205.** NAC 445A.1932 is hereby amended to read as follows:

445A.1932 The limits of this table apply to the body of water known as Rose Creek from its origin to the point of diversion of the Hawthorne Naval Ammunition Depot, near the north line of section 4, T. 8 N., R. 29 E., M.D.B. & M. Rose Creek is located in Mineral County.

## STANDARDS OF WATER QUALITY

### Rose Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		c			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M. <math>\leq 126</math></i> <i>S.V. <math>\leq 410</math></i>				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 206.** NAC 445A.1934 is hereby amended to read as follows:

445A.1934 The limits of this table apply to the body of water known as Corey Creek from its origin to the point of diversion of the town of Hawthorne, near the west line of section 3, T. 7 N., R. 29 E., M.D.B. & M. Corey Creek is located in Mineral County.

## STANDARDS OF WATER QUALITY

### Corey Creek

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

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 207.** NAC 445A.1956 is hereby amended to read as follows:

445A.1956 The limits of this table apply to the body of water known as Chiatovich Creek above the highway maintenance station. Chiatovich Creek is located in Esmeralda County.

STANDARDS OF WATER QUALITY

Chiatovich Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>														
			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																	
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X											
ΔT <sup>b</sup> - °C	ΔT = 0																
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. ≤ 0.04 S.V. ≤ 0.06	A-Avg. ≤ 0.1			*	*	X	X									
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. ≤ 0.6 S.V. ≤ 0.8	Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06	X		*	X	X	*		X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*												
Suspended Solids - mg/l		S.V. ≤ 25			*												
Turbidity - NTU		S.V. ≤ 10			*			X									
Color - PCU		<sup>a</sup>			*			X									
Total Dissolved Solids - mg/l	A-Avg. ≤ 50 S.V. ≤ 60	A-Avg. ≤ 500	X	X				*									
Chloride - mg/l	A-Avg. ≤ 2 S.V. ≤ 3	S.V. ≤ 250	X	X				*		X							
Sulfate - mg/l	A-Avg. ≤ 4 S.V. ≤ 5	S.V. ≤ 250						*									
Sodium - SAR	A-Avg. ≤ 1	A-Avg. ≤ 8		*				X									
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X							
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL</i> <sup>c</sup>		<del>[A.G.M.]</del> <i>G.M.</i> ≤ 126 S.V. ≤ 410				*	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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 208.** NAC 445A.1958 is hereby amended to read as follows:

445A.1958 The limits of this table apply to the body of water known as Indian Creek above the center of section 9, T. 2 S., R. 34 E., M.D.B. & M. Indian Creek is located in Esmeralda County.

## STANDARDS OF WATER QUALITY

### Indian Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Species of Concern																
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X										
ΔT <sup>b</sup> - °C	ΔT = 0															
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	S.V. ≤ 0.13	A-Avg. ≤ 0.1			*	*	X	X								
Nitrogen Species (as N) - mg/l	Nitrate S.V. ≤ 0.45	Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06	X		*	X	X	*		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*											
Suspended Solids - mg/l		S.V. ≤ 25			*											
Turbidity - NTU		S.V. ≤ 10			*			X								
Color - PCU		<sup>d</sup>			*			X								
Total Dissolved Solids - mg/l	A-Avg. ≤ 225 S.V. ≤ 300	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. ≤ 8		*				X								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X						
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>e</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 126 S.V. ≤ 410				*	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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 209.** NAC 445A.1962 is hereby amended to read as follows:

445A.1962 The limits of this table apply to the body of water known as Leidy Creek above the hydroelectric plant. Leidy Creek is located in Esmeralda County.

## STANDARDS OF WATER QUALITY

### Leidy Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>														
			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																	
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23			*	X											
ΔT <sup>b</sup> - °C	ΔT = 0	ΔT ≤ 2															
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. ≤ 0.013 S.V. ≤ 0.03	A-Avg. ≤ 0.1			*	*	X	X									
Nitrogen Species (as N) - mg/l	Nitrate A-Avg. ≤ 0.18 S.V. ≤ 0.22	Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06	X		*	X	X	*		X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*												
Suspended Solids - mg/l		S.V. ≤ 25			*												
Turbidity - NTU		S.V. ≤ 10			*			X									
Color - PCU		<sup>d</sup>			*			X									
Total Dissolved Solids - mg/l	A-Avg. ≤ 135 S.V. ≤ 150	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. ≤ 250						*									
Sodium - SAR		A-Avg. ≤ 8			*			X									
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X							
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>e</sup>		<del>[A-G-M]</del> G.M. ≤ 126 S.V. ≤ 410				*	X										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 210.** NAC 445A.1964 is hereby amended to read as follows:

445A.1964 The limits of this table apply to the entire body of water known as Fish Lake.

Fish Lake is located in Esmeralda County.

## STANDARDS OF WATER QUALITY

### Fish Lake

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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															
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 34$ $\Delta T \leq 3$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.33$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq$ <del>[576]</del> 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 211.** NAC 445A.1966 is hereby amended to read as follows:

445A.1966 The limits of this table apply to the body of water known as Star Creek from its origin to the first point of diversion, near the west line of T. 31 N., R. 34 E., M.D.B. & M. Star Creek is located in Pershing County.

## STANDARDS OF WATER QUALITY

### Star Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		c			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X				

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 212. NAC 445A.1968 is hereby amended to read as follows:

445A.1968 The limits of this table apply to the entire body of water known as Willow Creek Reservoir. Willow Creek Reservoir is located in Lander County.

## STANDARDS OF WATER QUALITY

### Willow Creek Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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			Trout.													
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq$ <del>[298]</del> 410				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 213.** NAC 445A.1972 is hereby amended to read as follows:

445A.1972 The limits of this table apply to the body of water known as Peavine Creek from its origin to the first point of diversion, near the national forest boundary. Peavine Creek is located in Nye County.

## STANDARDS OF WATER QUALITY

### Peavine Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 214.** NAC 445A.1974 is hereby amended to read as follows:

445A.1974 The limits of this table apply to the body of water known as Jett Creek from its origin to the national forest boundary. Jett Creek is located in Nye County.

STANDARDS OF WATER QUALITY

Jett Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 215.** NAC 445A.1976 is hereby amended to read as follows:

445A.1976 The limits of this table apply to the body of water known as the South Fork of Twin River from its origin to the first point of diversion, near the national forest boundary. The South Fork of Twin River is located in Nye County.

STANDARDS OF WATER QUALITY

Twin River, South Fork

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M. <math>\leq 126</math> S.V. <math>\leq 410</math></i>				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



**Sec. 216.** NAC 445A.1978 is hereby amended to read as follows:

445A.1978 The limits of this table apply to the body of water known as the North Fork of Twin River from its origin to the first point of diversion, near the national forest boundary. The North Fork of Twin River is located in Nye County.

STANDARDS OF WATER QUALITY

Twin River, North Fork

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 217.** NAC 445A.1982 is hereby amended to read as follows:

445A.1982 The limits of this table apply to the body of water known as Kingston Creek from its origin to Groves Lake. This segment of Kingston Creek is located in Lander County.

STANDARDS OF WATER QUALITY

Kingston Creek at Groves Lake

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq$ 126 S.V. $\leq$ 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 218.** NAC 445A.1984 is hereby amended to read as follows:

445A.1984 The limits of this table apply to the entire body of water known as Groves Lake.

Groves Lake is located in Lander County.

## STANDARDS OF WATER QUALITY

### Groves Lake

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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			Trout.												
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ <del>{298}</del> 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 219.** NAC 445A.1986 is hereby amended to read as follows:

445A.1986 The limits of this table apply to the body of water known as Kingston Creek below Groves Lake. This segment of Kingston Creek is located in Lander County.

STANDARDS OF WATER QUALITY

Kingston Creek below Groves Lake

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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			Trout.												
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 220.** NAC 445A.1988 is hereby amended to read as follows:

445A.1988 The limits of this table apply to the body of water known as Birch Creek from its origin to the national forest boundary. This segment of Birch Creek is located in Lander County.

STANDARDS OF WATER QUALITY

Birch Creek at the national forest boundary

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

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 221.** NAC 445A.1992 is hereby amended to read as follows:

445A.1992 The limits of this table apply to the body of water known as Birch Creek from the national forest boundary to the first diversion dam, near the west line of section 1, T. 17 N., R. 44 E., M.D.B. & M. This segment of Birch Creek is located in Lander County.

STANDARDS OF WATER QUALITY

Birch Creek below the national forest boundary

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*									
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq$ 126 S.V. $\leq$ 410				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 222.** NAC 445A.1994 is hereby amended to read as follows:

445A.1994 The limits of this table apply to the body of water known as Skull Creek from its origin to the first point of diversion, near the east line of T. 21 N., R. 45 E., M.D.B. & M. Skull Creek is located in Lander County.

STANDARDS OF WATER QUALITY

Skull Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M. <math>\leq 126</math></i> <i>S.V. <math>\leq 410</math></i>				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 223.** NAC 445A.1996 is hereby amended to read as follows:

445A.1996 The limits of this table apply to the body of water known as Steiner Creek from its origin to the first point of diversion, near the north line of section 34, T. 21 N., R. 46 E., M.D.B. & M. Steiner Creek is located in Lander County.

## STANDARDS OF WATER QUALITY

### Steiner Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>														
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X			*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*								
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



**Sec. 224.** NAC 445A.1998 is hereby amended to read as follows:

445A.1998 The limits of this table apply to the body of water known as Pine Creek (Nye County) from its origin to the national forest boundary. Pine Creek is located in Nye County.

STANDARDS OF WATER QUALITY

Pine Creek (Nye County)

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X			*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 225. NAC 445A.2002 is hereby amended to read as follows:

445A.2002 The limits of this table apply to the body of water known as Barley Creek from its origin to the first point of diversion, near the national forest boundary. Barley Creek is located in Nye County.

## STANDARDS OF WATER QUALITY

### Barley Creek

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

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 226.** NAC 445A.2004 is hereby amended to read as follows:

445A.2004 The limits of this table apply to the body of water known as Mosquito Creek from its origin to the national forest boundary. Mosquito Creek is located in Nye County.

## STANDARDS OF WATER QUALITY

### Mosquito Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X			*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 227. NAC 445A.2006 is hereby amended to read as follows:

445A.2006 The limits of this table apply to the body of water known as Stoneberger Creek from its origin to the national forest boundary. Stoneberger Creek is located in Nye County.

## STANDARDS OF WATER QUALITY

### Stoneberger Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X			*				
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 228.** NAC 445A.2008 is hereby amended to read as follows:

445A.2008 The limits of this table apply to the body of water known as Roberts Creek from its origin to Roberts Creek Reservoir. This segment of Roberts Creek is located in Eureka County.

STANDARDS OF WATER QUALITY

Roberts Creek at Roberts Creek Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 229. NAC 445A.2012 is hereby amended to read as follows:

445A.2012 The limits of this table apply to the body of water known as Roberts Creek below Roberts Creek Reservoir. This segment of Roberts Creek is located in Eureka County.

STANDARDS OF WATER QUALITY

Roberts Creek below Roberts Creek Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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															
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 24$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*						
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 230.** NAC 445A.2014 is hereby amended to read as follows:

445A.2014 The limits of this table apply to the entire body of water known as Fish Springs Pond. Fish Springs Pond is located in Eureka County.

STANDARDS OF WATER QUALITY

Fish Springs Pond

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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			Trout.												
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A-G-M]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq$ <del>[576]</del> <i>410</i>				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 231.** NAC 445A.2016 is hereby amended to read as follows:

445A.2016 The limits of this table apply to the entire body of water known as Illipah

Reservoir. Illipah Reservoir is located in White Pine County.

STANDARDS OF WATER QUALITY

Illipah Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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			Trout.													
Temperature - °C ΔT <sup>b</sup> - °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		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



Sec. 232. NAC 445A.2018 is hereby amended to read as follows:

445A.2018 The limits of this table apply to the entire area known as Ruby Marsh. Ruby Marsh is located in Elko and White Pine Counties.

STANDARDS OF WATER QUALITY

Ruby Marsh

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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			Trout.												
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M. <math>\leq 126</math> S.V. <math>\leq</math> <del>{576}</del> <i>410</i></i>				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 233. NAC 445A.2022 is hereby amended to read as follows:

445A.2022 The limits of this table apply to the entire body of water known as Angel Lake.

Angel Lake is located in Elko County.

## STANDARDS OF WATER QUALITY

### Angel Lake

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.025$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M. <math>\leq 126</math> S.V. <math>\leq</math> <del>{298}</del> <i>410</i></i>				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 234. NAC 445A.2024 is hereby amended to read as follows:

445A.2024 The limits of this table apply to the body of water known as Pole Canyon Creek from its origin to where it becomes Franklin River. Pole Canyon Creek is located in Elko County.

## STANDARDS OF WATER QUALITY

### Pole Canyon Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X				

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 235. NAC 445A.2026 is hereby amended to read as follows:

445A.2026 The limits of this table apply to the body of water known as Goshute Creek from its origin to the first point of diversion, near the center of section 12, T. 25 N., R. 63 E., M.D.B. & M. Goshute Creek is located in White Pine County.

## STANDARDS OF WATER QUALITY

### Goshute Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 236.** NAC 445A.2028 is hereby amended to read as follows:

445A.2028 The limits of this table apply to the body of water known as Gleason Creek from its origin to State Highway 485 (old State Highway 44). This segment of Gleason Creek is located in White Pine County.

STANDARDS OF WATER QUALITY

Gleason Creek at State Highway 485

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>														
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
Beneficial Uses			X	X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern																	
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 34$ $\Delta T \leq 3$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.33$			*	*	X	X									
Total Ammonia (as N) - mg/l		c			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*									
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 237.** NAC 445A.2032 is hereby amended to read as follows:

445A.2032 The limits of this table apply to the body of water known as Gleason Creek from State Highway 485 (old State Highway 44) to its confluence with Murry Creek. This segment of Gleason Creek is located in White Pine County.

## STANDARDS OF WATER QUALITY

### Gleason Creek at Murry Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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. $\geq$ 3.0	X		*		X			X						
Total Ammonia (as N) - mg/l		b			*											
E. coli - <del>No./100 ml</del> <i>cfu/100 mL</i>		A.G.M. $\leq$ 630					*									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

**Sec. 238.** NAC 445A.2034 is hereby amended to read as follows:

445A.2034 The limits of this table apply to the body of water known as Murry Creek from its confluence with Gleason Creek to Crawford Street. This segment of Murry Creek is located in White Pine County.

## STANDARDS OF WATER QUALITY

### Murry Creek above Crawford Street

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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. $\geq$ 3.0	X		*	X	X			X						
Total Ammonia (as N) - mg/l		b			*											
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>c</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq$ 126 <i>S.V.</i> $\leq$ <del>[576]</del> <b>410</b>				*	X									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

<sup>c</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 239.** NAC 445A.2035 is hereby amended to read as follows:

445A.2035 The limits of this table apply to the body of water known as Murry Creek from Crawford Street to the south line of section 35, T. 17 N., R. 63 E., M.D.B. & M. This segment of Murry Creek is located in White Pine County.

STANDARDS OF WATER QUALITY

Murry Creek below Crawford Street

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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		<sup>b</sup>			*										
E. coli - <del>No./100 ml</del> cfu/100 mL		A.G.M.≤ 630					*								

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.



**Sec. 240.** NAC 445A.2036 is hereby amended to read as follows:

445A.2036 The limits of this table apply to the entire body of water known as Comins Reservoir. Comins Reservoir is located in White Pine County.

STANDARDS OF WATER QUALITY

Comins Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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			Trout.												
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T \leq 3$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.33$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 241.** NAC 445A.2038 is hereby amended to read as follows:

445A.2038 The limits of this table apply to the body of water known as North Creek from its origin to the pipeline intake, near the north line of section 20, T. 19 N., R. 65 E., M.D.B. & M. North Creek is located in White Pine County.

STANDARDS OF WATER QUALITY

North Creek

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

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 242. NAC 445A.2042 is hereby amended to read as follows:

445A.2042 The limits of this table apply to the body of water known as East Creek from its origin to the pipeline intake, near the national forest boundary. East Creek is located in White Pine County.

STANDARDS OF WATER QUALITY

East Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 243.** NAC 445A.2044 is hereby amended to read as follows:

445A.2044 The limits of this table apply to the body of water known as Bird Creek from its origin to the pipeline intake, near Bird Creek Campground. Bird Creek is located in White Pine County.

STANDARDS OF WATER QUALITY

Bird Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>No./100 ml</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 244.** NAC 445A.2046 is hereby amended to read as follows:

445A.2046 The limits of this table apply to the body of water known as Timber Creek from its origin to the pipeline intake, near the west line of section 27, T. 18 N., R. 65 E., M.D.B. & M. Timber Creek is located in White Pine County.

## STANDARDS OF WATER QUALITY

### Timber Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		c			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*						
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*				X	X		X				

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 245.** NAC 445A.2048 is hereby amended to read as follows:

445A.2048 The limits of this table apply to the body of water known as Berry Creek from its origin to the pipeline intake, near the national forest boundary. Berry Creek is located in White Pine County.

STANDARDS OF WATER QUALITY

Berry Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>No./100 ml</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 246.** NAC 445A.2052 is hereby amended to read as follows:

445A.2052 The limits of this table apply to the body of water known as Duck Creek from its origin to the pipeline intake, near the center of section 24, T. 18 N., R. 64 E., M.D.B. & M. Duck Creek is located in White Pine County.

STANDARDS OF WATER QUALITY

Duck Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 247.** NAC 445A.2054 is hereby amended to read as follows:

445A.2054 The limits of this table apply to the body of water known as Cleve Creek from its origin to the national forest boundary. Cleve Creek is located in White Pine County.

STANDARDS OF WATER QUALITY

Cleve Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A-G-M]</del> <i>G.M.</i> $\leq$ 126 S.V. $\leq$ 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



**Sec. 248.** NAC 445A.2056 is hereby amended to read as follows:

445A.2056 The limits of this table apply to the entire body of water known as Cave Creek.

Cave Creek is located in White Pine County.

## STANDARDS OF WATER QUALITY

### Cave Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 249. NAC 445A.2058 is hereby amended to read as follows:

445A.2058 The limits of this table apply to the entire body of water known as Cave Lake.

Cave Lake is located in White Pine County.

## STANDARDS OF WATER QUALITY

### Cave Lake

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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			Trout.												
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M. <math>\leq 126</math> S.V. <math>\leq</math> <del>{235}</del> <i>410</i></i>				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 250.** NAC 445A.2062 is hereby amended to read as follows:

445A.2062 The limits of this table apply to the body of water known as Pine Creek (White Pine County) from its origin to the first point of diversion, near the west line of section 17, T. 13 N., R. 68 E., M.D.B. & M. Pine Creek is located in White Pine County.

STANDARDS OF WATER QUALITY

Pine Creek (White Pine County)

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 251.** NAC 445A.2064 is hereby amended to read as follows:

445A.2064 The limits of this table apply to the body of water known as Ridge Creek from its origin to the first point of diversion, near the west line of section 17, T. 13 N., R. 68 E., M.D.B. & M. Ridge Creek is located in White Pine County.

STANDARDS OF WATER QUALITY

Ridge Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>No./100 ml</del> <i>cfu/100 mL<sup>d</sup></i>		<del>[A.G.M.]</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 252. NAC 445A.2066 is hereby amended to read as follows:

445A.2066 The limits of this table apply to the body of water known as Currant Creek from its origin to the national forest boundary. This segment of Currant Creek is located in Nye and White Pine Counties.

STANDARDS OF WATER QUALITY

Currant Creek at the national forest boundary

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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 $\Delta T^b - °C$		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>No./100 ml</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 253.** NAC 445A.2068 is hereby amended to read as follows:

445A.2068 The limits of this table apply to the body of water known as Currant Creek from the national forest boundary to Currant. This segment of Currant Creek is located in Nye County.

STANDARDS OF WATER QUALITY

Currant Creek at Currant

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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																
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 24$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1952 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 254.** NAC 445A.2096 is hereby amended to read as follows:

445A.2096 The limits of this table apply to the body of water known as Snake Creek above the fish hatchery. This segment of Snake Creek is located in White Pine County.

# STANDARDS OF WATER QUALITY

## Snake Creek above the fish hatchery

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Species of Concern																
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X										
ΔT <sup>b</sup> - °C	ΔT = 0															
pH - SU		S.V. 6.5 - 9.0 Δ pH ± 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. ≤ 0.05 S.V. ≤ 0.08	A-Avg. ≤ 0.1			*	*	X	X								
Nitrogen Species (as N) - mg/l	Nitrate A-Avg. ≤ 0.22 S.V. ≤ 0.44	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			*			X								
Total Dissolved Solids - mg/l	A-Avg. ≤ 100 S.V. ≤ 125	A-Avg. ≤ 500	X	X				*								
Chloride - mg/l	A-Avg. ≤ 10 S.V. ≤ 20	S.V. ≤ 250	X	X				*		X						
Sulfate - mg/l		S.V. ≤ 250						*								
Sodium - SAR		A-Avg. ≤ 8		*				X								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X						
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>e</sup>		<del>[A.G.M.]</del> G.M. ≤ 126 S.V. ≤ 410				*	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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2092 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 255.** NAC 445A.2098 is hereby amended to read as follows:

445A.2098 The limits of this table apply to the body of water known as Snake Creek below the fish hatchery to the Nevada-Utah state line. This segment of Snake Creek is located in White Pine County.

## STANDARDS OF WATER QUALITY

### Snake Creek below the fish hatchery

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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			Trout.												
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T \leq 3$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.33$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>[No./100 ml]</del> cfu/100 mL <sup>d</sup>		<del>[A.G.M.]</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2092 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



**Sec. 256.** NAC 445A.2102 is hereby amended to read as follows:

445A.2102 The limits of this table apply to the body of water known as Baker Creek from its origin to the national forest boundary. Baker Creek is located in White Pine County.

STANDARDS OF WATER QUALITY

Baker Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2092 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 257. NAC 445A.2104 is hereby amended to read as follows:

445A.2104 The limits of this table apply to the body of water known as Lehman Creek from its origin to the national forest boundary. Lehman Creek is located in White Pine County.

## STANDARDS OF WATER QUALITY

### Lehman Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2092 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 258. NAC 445A.2106 is hereby amended to read as follows:

445A.2106 The limits of this table apply to the body of water known as Silver Creek from its origin to the national forest boundary. Silver Creek is located in White Pine County.

## STANDARDS OF WATER QUALITY

### Silver Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X			*				
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2092 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 259. NAC 445A.2108 is hereby amended to read as follows:

445A.2108 The limits of this table apply to the entire body of water known as Silver Creek Reservoir. Silver Creek Reservoir is located in White Pine County.

## STANDARDS OF WATER QUALITY

### Silver Creek Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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			Trout.												
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ <del>{576}</del> 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2092 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 260.** NAC 445A.2112 is hereby amended to read as follows:

445A.2112 The limits of this table apply to the body of water known as Hendrys Creek from its origin to the national forest boundary. Hendrys Creek is located in White Pine County.

STANDARDS OF WATER QUALITY

Hendrys Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X		*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2092 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 261.** NAC 445A.2146 is hereby amended to read as follows:

445A.2146 The limits of this table apply to the body of water known as the Colorado River from the Lake Mohave Inlet to the California-Nevada state line below Davis Dam, except for the length of the river within the exterior borders of the Fort Mojave Indian Reservation. This segment of the Colorado River is located in Clark County.

## STANDARDS OF WATER QUALITY

### Colorado River below Davis Dam

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern															
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X									
ΔT <sup>b</sup> - °C	ΔT = 0														
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. ≤ 0.02 S.V. ≤ 0.03	A-Avg. ≤ 0.05			*	*	X	X							
Nitrogen Species (as N) - mg/l	Nitrate A-Avg. ≤ 1.1 S.V. ≤ 1.6	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			*			X							
Total Dissolved Solids - mg/l		e	X	X				*							
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X					
E. coli - <del>{No./100 ml}</del> <del>cfu/100 ml</del>		<del>{A.G.M.}</del> G.M. ≤ 126 S.V. ≤ <del>{235}</del> 410			*	X									
Fecal Coliform - No./100 ml	A.G.M. ≤ 50 S.V. ≤ 100	S.V. ≤ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

- <sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.
- <sup>e</sup> The salinity standard for the Colorado River system is specified in NAC 445A.1233.
- <sup>f</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 262.** NAC 445A.2148 is hereby amended to read as follows:

445A.2148 The limits of this table apply to the body of water known as the Colorado River from Hoover Dam to the Lake Mohave Inlet. This segment of the Colorado River is located in Clark County.

**STANDARDS OF WATER QUALITY**  
Colorado River below Hoover Dam

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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																
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X										
ΔT <sup>b</sup> - °C	ΔT = 0															
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. ≤ 0.02 S.V. ≤ 0.033	A-Avg. ≤ 0.05			*	*	X	X								
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. ≤ 1.0 S.V. ≤ 1.5	Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06	X		*	X	X	*		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*											
Suspended Solids - mg/l		S.V. ≤ 25			*											
Turbidity - NTU		S.V. ≤ 10			*			X								
Color - PCU		<sup>d</sup>			*			X								
Total Dissolved Solids - mg/l		<sup>e</sup>	X	X				*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X						
E. coli - <del>[No./100 ml]</del> <i>cfu/100 mL</i>		<del>[A.G.M.]</del> <i>G.M.</i> ≤ 126 S.V. ≤ <del>[235]</del> <i>410</i>			*	X										
Fecal Coliform - No./100 ml	A.G.M. ≤ 50 S.V. ≤ 100	S.V. ≤ 1,000	X	*			X	X		X						

\* = The most restrictive beneficial use.  
X = Beneficial use.  
<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 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.
- e The salinity standard for the Colorado River system is specified in NAC 445A.1233.
- f *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 263.** NAC 445A.2152 is hereby amended to read as follows:

445A.2152 The limits of this table apply to the body of water known as Lake Mead, excluding the area covered by NAC 445A.2154, Inner Las Vegas Bay. Lake Mead is located in Clark County.

## STANDARDS OF WATER QUALITY

### Lake Mead

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>d</sup>														
			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			Warm-water fishery.														
Temperature $\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T \leq 2$			*												
pH - SU	95% of S.V. samples $\leq$ 8.8	S.V. 6.5 - 9.0	X	X	*	X		X	X	X							
Dissolved Oxygen - mg/l		S.V. $\geq$ 5.0 in the epilimnion or average in water column during periods of nonstratification	X		*	X	X	X		X							
Nitrogen Species (as N) - mg/l	Total Inorganic Nitrogen 95% of S.V. samples $\leq$ 4.5	Nitrate S.V. $\leq$ 10 Nitrite S.V. $\leq$ 1	X		*			*		X							
Total Ammonia (as N) - mg/l		d			*												
Chlorophyll <i>a</i> - µg/l	c				*	*	X	X									
Suspended Solids - mg/l		S.V. $\leq$ 25			*		X										
Turbidity - NTU	e	S.V. $\leq$ 25			*	X	X	X									
Color - PCU	f							*	X								
Total Dissolved Solids - mg/l	Flow Weighted A-Avg. Concentration $\leq$ 723 measured below Hoover Dam <sup>e</sup>	S.V. $\leq$ 1000		X					*								
Chloride - mg/l	h	S.V. $\leq$ 400 <sup>h</sup>	X						*		X						
Sulfate - mg/l	h	S.V. $\leq$ 500 <sup>h</sup>							*								
E. coli - <del>MF/100ml</del> cfu/100 mL		<del>30-day log-mean</del> $G. M. \leq$ 126 S.V. $\leq$ <del>235</del> 410	X	X		*	X	X									
Fecal Coliform - MF or MPN/100 ml		$\leq$ 200/400 <sup>h,j</sup>	X	X		*	X	X		X							



\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone.

<sup>c</sup> The requirements for chlorophyll *a* are:

<sup>1</sup> Not more than 1 monthly mean in a calendar year at Station LWLVB 1.85 may exceed 45µg/l. Station LWLVB 1.85 is located at the center of the channel at a distance of 1.85 miles into Las Vegas Bay from the confluence of the Las Vegas Wash with Lake Mead.

<sup>2</sup> The mean for chlorophyll *a* in summer (July 1-September 30) must not exceed 40 µg/l at Station LWLVB 1.85, and the mean for 4 consecutive summer years must not exceed 30 µg/l. The sample must be collected from the center of the channel and must be representative of the top 5 meters of the channel. Station LWLVB 1.85 is located at the center of the channel at a distance of 1.85 miles into Las Vegas Bay from the confluence of the Las Vegas Wash with Lake Mead.

<sup>3</sup> The mean for chlorophyll *a* in the growing season (April 1-September 30) must not exceed 16 µg/l at Station LWLVB 2.7 and 9 µg/l at Station LWLVB 3.5. Station LWLVB 2.7 is located at a distance of 2.7 miles into Las Vegas Bay from the confluence of the Las Vegas Wash with Lake Mead. Station LWLVB 3.5 is located at a distance of 3.5 miles into Las Vegas Bay from the confluence of the Las Vegas Wash with Lake Mead.

<sup>4</sup> The mean for chlorophyll *a* in the growing season (April 1-September 30) must not exceed 5 µg/l in the open water of Boulder Basin, Virgin Basin, Gregg Basin and Pierce Basin. The single value must not exceed 10 µg/l for more than 5 percent of the samples.

<sup>5</sup> Not less than two samples per month must be collected between the months of March and October. During the months when only one sample is available, that value must be used in place of the monthly mean.

<sup>d</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

<sup>e</sup> Turbidity must not exceed that characteristic of natural conditions by more than 10 NTU.

<sup>f</sup> Color must not exceed that characteristic of natural conditions by more than 10 PCU.

<sup>g</sup> The salinity standard for the Colorado River System is specified in NAC 445A.1233.

<sup>h</sup> The combination of this constituent with other constituents comprising TDS must not result in the violation of the TDS standards for Lake Mead and the Colorado River.

<sup>i</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

<sup>j</sup> Based on a minimum of not less than five samples taken over a 30-day period, the fecal coliform bacterial level must not exceed a log mean of 200 per 100 milliliters, nor must more than 10 percent of the total samples taken during any 30-day period exceed 400 per 100 milliliters.

➤ The Commission recognizes that at entrances of tributaries to Lake Mead, localized violations of standards may occur.

**Sec. 264.** NAC 445A.2162 is hereby amended to read as follows:

445A.2162 The limits of this table apply to the body of water known as the Virgin River at the Arizona-Nevada state line, near Littlefield, Arizona. This segment of the Virgin River is located in Clark County.

## STANDARDS OF WATER QUALITY

### Virgin River at the state line

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			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. Nov-Jun ≤ 21 S.V. Jul-Oct ≤ 32												
ΔT <sup>b</sup> - °C	ΔT = 0	ΔT ≤ 2			*									

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
pH - SU		S.V. 6.5 - 9.0 $\Delta$ pH $\pm$ 0.5	X	X	*		X		X	*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 5.0	X		*		X				X				
Total Phosphates (as P) - mg/l	A-Avg. $\leq$ 0.06 S.V. $\leq$ 0.1	A-Avg. $\leq$ 0.1			*		X								
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. $\leq$ 2.4 S.V. $\leq$ 3.2	Nitrate S.V. $\leq$ 90 Nitrite S.V. $\leq$ 5.0	X		*		X				X				
Total Ammonia (as N) - mg/l		c			*										
Turbidity - NTU		d			*										
Color - PCU		e			*										
Total Dissolved Solids - mg/l		f	X	*											
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X				
E. coli - <del>No./100 ml</del> cfu/100 mL		A.G.M. $\leq$ 630					*								
Fecal Coliform - No./100 ml	A.G.M. $\leq$ 450 S.V. $\leq$ 1800	S.V. $\leq$ 1,000	X	*			X				X				

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.

<sup>e</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>f</sup> The salinity standard for the Colorado River System is specified in NAC 445A.1233.

**Sec. 265.** NAC 445A.2164 is hereby amended to read as follows:

445A.2164 The limits of this table apply to the body of water known as the Virgin River from the Arizona-Nevada state line to Mesquite. This segment of the Virgin River is located in Clark County.

## STANDARDS OF WATER QUALITY

### Virgin River at Mesquite

PARAMETER	REQUIREMENTS	WATER QUALITY	Beneficial Use <sup>a</sup>
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	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
			X	X	X		X		X	X			
Beneficial Uses			X	X	X		X		X	X			
Aquatic Life Species of Concern													
Temperature - °C		S.V. Nov-Jun ≤ 21 S.V. Jul-Oct ≤ 32			*								
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T \leq 2$											
pH - SU		S.V. 6.5 - 9.0 $\Delta pH \pm 0.5$	X	X	*		X		X	*			
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*		X			X			
Total Phosphates (as P) - mg/l		A-Avg. ≤ 0.1			*		X						
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. ≤ 0.9 S.V. ≤ 1.6	Nitrate S.V. ≤ 90 Nitrite S.V. ≤ 5.0	X		*		X			X			
Total Ammonia (as N) - mg/l		c			*								
Turbidity - NTU		d			*								
Color - PCU		e			*								
Total Dissolved Solids - mg/l		f	X	*									
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X			
E. coli - <del>{No./100 ml}</del> cfu/100 mL		A.G.M. ≤ 630					*						
Fecal Coliform - No./100 ml	A.G.M. ≤ 300 S.V. ≤ 550	S.V. ≤ 1,000	X	*			X			X			

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.

<sup>e</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>f</sup> The salinity standard for the Colorado River System is specified in NAC 445A.1233.

**Sec. 266.** NAC 445A.2166 is hereby amended to read as follows:

445A.2166 The limits of this table apply to the body of water known as the Virgin River from Mesquite to the river mouth at Lake Mead. This segment of the Virgin River is located in Clark County.

## STANDARDS OF WATER QUALITY

### Virgin River at Lake Mead

PARAMETER	REQUIREMENTS	WATER QUALITY	Beneficial Use <sup>a</sup>
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	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			
Aquatic Life Species of Concern													
Temperature - °C		S.V. Nov-Jun ≤ 21 S.V. Jul-Oct ≤ 32 ΔT ≤ 2			*								
ΔT <sup>b</sup> - °C	ΔT = 0												
pH - SU		S.V. 6.5 - 9.0 ΔpH ± 0.5	X	X	*		X		X	*			
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*		X			X			
Total Phosphates (as P) - mg/l		A-Avg. ≤ 0.1			*		X						
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. ≤ 2.9 S.V. ≤ 6.1	Nitrate S.V. ≤ 90 Nitrite S.V. ≤ 5.0	X		*		X			X			
Total Ammonia (as N) - mg/l		c			*								
Turbidity - NTU		d			*								
Color - PCU		e			*								
Total Dissolved Solids - mg/l		f	X	*									
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X			
E. coli - <del>{No./100 ml}</del> cfu/100 mL		A.G.M. ≤ 630					*						
Fecal Coliform - No./100 ml	A.G.M. ≤ 625 S.V. ≤ 1250	S.V. ≤ 1,000	X	*			X			X			

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.

<sup>e</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>f</sup> The salinity standard for the Colorado River System is specified in NAC 445A.1233.

**Sec. 267.** NAC 445A.2168 is hereby amended to read as follows:

445A.2168 The limits of this table apply to the body of water known as the Muddy River from the river source to the Glendale Bridge, except for the length of the river within the exterior borders of the Moapa Indian Reservation. This segment of the Muddy River is located in Clark County.

## STANDARDS OF WATER QUALITY

### Muddy River at the Glendale Bridge



PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>														
			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																	
Temperature °C -																	
Source Springs to Warm Springs Bridge		19≤T≤32															
Warm Springs Bridge to Glendale Bridge		15≤T≤30			*												
ΔT <sup>b</sup>	ΔT = 0°C	ΔT ≤ 2°C															
pH Units		S.V. 6.5 - 9.0 ΔpH ± 0.5 Max.	X	X	*	X	X	X	X	X	*						
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		A-Avg. ≤ 0.1			*	X	X	X									
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. ≤ 1.3 S.V. ≤ 1.4	Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 1.0	X		X	X	X	*		X							
Total Ammonia (as N) - mg/l		c			*												
Turbidity - NTU		d			*			X									
Color - PCU		S.V. ≤ 75			X			*									
Total Dissolved Solids - mg/l		e	X	X				*									
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 ml</i> <sup>f</sup>		<del>{A.G.M.}</del> <i>G.M.</i> ≤ 126 S.V. ≤ 410				*	*										
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X							
Fluoride (as total recoverable) - mg/l		S.V. ≤ 2.6	X	*													

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.

<sup>e</sup> The salinity standard for the Colorado River System is specified in NAC 445A.1233.

<sup>f</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 268.** NAC 445A.2172 is hereby amended to read as follows:

445A.2172 The limits of this table apply to the body of water known as the Muddy River from the Glendale Bridge to the Wells Siding Diversion. This segment of the Muddy River is located in Clark County.

**STANDARDS OF WATER QUALITY**  
**Muddy River at the Wells Siding Diversion**

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 <sup>b</sup>	ΔT = 0°C	15 ≤ T ≤ 30 ΔT ≤ 2°C			*										
pH Units		S.V. 6.5 - 9.0 ΔpH ± 0.5 Max.	X	X	*	X	X		X	*					
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*	X	X			X					
Total Phosphorus (as P) - mg/l		A-Avg. ≤ 0.3			*	X	X								
Nitrogen Species (as N) - mg/l		Nitrate S.V. ≤ 90 Nitrite S.V. ≤ 5.0	X		*	X	X			X					
Total Ammonia (as N) - mg/l		c			*										
Turbidity - NTU		d			*										
Color – PCU		e			*										
Total Dissolved Solids - mg/l		f	X	*											
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X					
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>g</sup></i>		<del>{A-G-M}</del> <i>G.M.</i> ≤ 126 S.V. ≤ 410				*	X								
Fecal Coliform - No./100ml		S.V. ≤ 1,000	X	*			X			X					
Fluoride (as total recoverable) – mg/l		S.V. ≤ 2.6	X	*											

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.

<sup>e</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>f</sup> The salinity standard for the Colorado River System is specified in NAC 445A.1233.

<sup>g</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 269.** NAC 445A.2174 is hereby amended to read as follows:

445A.2174 The limits of this table apply to the body of water known as the Muddy River from the Wells Siding Diversion to the river mouth at Lake Mead. This segment of the Muddy River is located in Clark County.

STANDARDS OF WATER QUALITY

Muddy River at Lake Mead

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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 - $\Delta T^b$	$\Delta T = 0^\circ C^b$	$T \leq 32$ $\Delta T \leq 2^\circ C$			*										
pH Units		S.V. 6.5 - 9.0 $\Delta pH \pm 0.5$ Max.	X	X	*	X	X		X	*					
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X			X					
Total Phosphorus (as P) - mg/l		A-Avg. $\leq 0.3$			*	X	X								
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. $\leq 1.3$ S.V. $\leq 1.8$	Nitrate S.V. $\leq 90$ Nitrite S.V. $\leq 5.0$	X		*	X	X			X					
Total Ammonia (as N) - mg/l		c			*										
Turbidity - NTU		d			*										
Color - PCU		e			*										
Total Dissolved Solids - mg/l		f	X	*											
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X					
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>g</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	*								
Fecal Coliform - No./100 ml	A.G.M. $\leq 500$ S.V. $\leq 1300$	S.V. $\leq 1,000$	X	*			X			X					
Boron (as total recoverable) - mg/l		S.V. $\leq 2.0$		*						X					
Fluoride (as total recoverable) - mg/l		S.V. $\leq 3.6$	X	*											

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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



- <sup>d</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.
- <sup>e</sup> Increase in color must not be more than 10 PCU above natural conditions.
- <sup>f</sup> The salinity standard for the Colorado River System is specified in NAC 445A.1233.
- <sup>g</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 270.** NAC 445A.2176 is hereby amended to read as follows:

445A.2176 The limits of this table apply to the body of water known as the Meadow Valley Wash from the bridge above Rox to the Muddy River. The Meadow Valley Wash is located in Clark and Lincoln Counties.

**STANDARDS OF WATER QUALITY**  
**Meadow Valley Wash**

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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		S.V. Nov-Jun ≤ 21 S.V. Jul-Oct ≤ 32			*											
ΔT <sup>b</sup> - °C	ΔT = 0	ΔT ≤ 2														
pH - SU		S.V. 6.5 - 9.0 ΔpH ± 0.5	X	X	*		X		X	*						
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*		X			X						
Total Phosphates (as P) - mg/l		A-Avg. ≤ 0.1			*		X									
Nitrogen Species (as N) - mg/l	Total Nitrogen A-Avg. ≤ 2.0 S.V. ≤ 3.3	Nitrate S.V. ≤ 90 Nitrite S.V. ≤ 5.0	X		*		X			X						
Total Ammonia (as N) - mg/l		c			*											
Turbidity - NTU		d			*											
Color - PCU		e			*											
Total Dissolved Solids - mg/l		f	X	*												
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X						
E. coli - <del>No./100 ml</del> cfu/100 mL		A.G.M. ≤ 630					*									
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X			X						

\* = The most restrictive beneficial use.  
X = Beneficial use.  
<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

- <sup>b</sup> 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.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- <sup>d</sup> Increase in turbidity must not be more than 10 NTU above natural conditions.
- <sup>e</sup> Increase in color must not be more than 10 PCU above natural conditions.
- <sup>f</sup> The salinity standard for the Colorado River System is specified in NAC 445A.1233.

**Sec. 271.** NAC 445A.2178 is hereby amended to read as follows:

445A.2178 The limits of this table apply to the body of water known as the Beaver Dam Wash above Schroeder Reservoir. The Beaver Dam Wash is located in Lincoln County.

## STANDARDS OF WATER QUALITY

### Beaver Dam Wash

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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																
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*	X										
ΔT <sup>b</sup> - °C	ΔT = 0															
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. ≤ 0.01 S.V. ≤ 0.013	A-Avg. ≤ 0.05			*	*	X	X								
Nitrogen Species (as N) - mg/l	Nitrate S.V. ≤ 0.22	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			*			X								
Total Dissolved Solids - mg/l		e	X	X				*								
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X						
E. coli - [ <del>No./100 ml</del> ] <i>cfu/100 mL</i>		[ <del>A.G.M.</del> ] <i>G.M.</i> ≤ 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.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> Increase in color must not be more than 10 PCU above natural conditions.

<sup>e</sup> The salinity standard for the Colorado River System is specified in NAC 445A.1233.

<sup>f</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 272. NAC 445A.2182 is hereby amended to read as follows:

445A.2182 The limits of this table apply to the entire body of water known as Schroeder Reservoir. Schroeder Reservoir is located in Lincoln County.

STANDARDS OF WATER QUALITY

Schroeder Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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			Trout.												
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T \leq 3$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.33$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 273.** NAC 445A.2184 is hereby amended to read as follows:

445A.2184 The limits of this table apply to the body of water known as the White River from its origin to the national forest boundary. This segment of the White River is located in White Pine County.

STANDARDS OF WATER QUALITY

White River at the national forest boundary

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

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 274. NAC 445A.2186 is hereby amended to read as follows:

445A.2186 The limits of this table apply to the body of water known as the White River from the national forest boundary to its confluence with Ellison Creek. This segment of the White River is located in White Pine County.

STANDARDS OF WATER QUALITY

White River at Ellison Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			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			Trout.													
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X								
Total Ammonia (as N) - mg/l		c			*			X								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X									
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 275. NAC 445A.2188 is hereby amended to read as follows:

445A.2188 The limits of this table apply to the entire body of water known as Dacey

Reservoir. Dacey Reservoir is located in Nye County.

## STANDARDS OF WATER QUALITY

### Dacey Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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															
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 24$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 276.** NAC 445A.2192 is hereby amended to read as follows:

445A.2192 The limits of this table apply to Sunnyside Creek from its origin to Adams McGill Reservoir. Sunnyside Creek is located in Nye County.

STANDARDS OF WATER QUALITY

Sunnyside Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			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														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 24$ $\Delta T = 0$			*	X								
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*				
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X				
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X						
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*						
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X							
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X				

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



Sec. 277. NAC 445A.2194 is hereby amended to read as follows:

445A.2194 The limits of this table apply to the entire body of water known as Adams

McGill Reservoir. Adams McGill Reservoir is located in Nye County.

## STANDARDS OF WATER QUALITY

### Adams McGill Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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															
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 24$ $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq 5.0$	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq 126$ S.V. $\leq 410$				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 278.** NAC 445A.2196 is hereby amended to read as follows:

445A.2196 The limits of this table apply to the entire body of water known as Hay Meadow Reservoir. Hay Meadow Reservoir is located in Nye County.

STANDARDS OF WATER QUALITY

Hay Meadow Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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			Trout.												
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 279. NAC 445A.2198 is hereby amended to read as follows:

445A.2198 The limits of this table apply to the entire body of water known as Nesbitt Lake.

Nesbitt Lake is located in Lincoln County.

## STANDARDS OF WATER QUALITY

### Nesbitt Lake

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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															
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 34 $\Delta T \leq$ 3			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 5.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.33			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ <del>{576}</del> 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 280.** NAC 445A.2202 is hereby amended to read as follows:

445A.2202 The limits of this table apply to the entire body of water known as Pahrnagat Reservoir. Pahrnagat Reservoir is located in Lincoln County.

STANDARDS OF WATER QUALITY

Pahrnagat Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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															
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 34 $\Delta T \leq 3$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 5.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.33			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ <del>{298}</del> 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 281.** NAC 445A.2204 is hereby amended to read as follows:

445A.2204 The limits of this table apply to the entire body of water known as Bowman Reservoir. Bowman Reservoir is located in Clark County.

## STANDARDS OF WATER QUALITY

### Bowman Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			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														
Temperature - °C $\Delta T^b$		T ≤ 34 $\Delta T \leq 3^\circ C$			*									
pH Units		S.V. 6.5 - 9.0	X	X	*	X	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	X						
Total Ammonia (as N) - mg/l		c			*			X						
Total Dissolved Solids - mg/l		d	X	X				*						
E. coli - <del>No./100 ml</del> <i>cfu/100 mL</i> <sup>e</sup>		<del>A.G.M.</del> <i>G.M.</i> ≤ 126 S.V. ≤ <del>298</del> <i>410</i>				*	X							
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X				
Fluoride (as total recoverable) – mg/l		S.V. ≤ 2.6	X	*										

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> The salinity standard for the Colorado River System is specified in NAC 445A.1233.

<sup>e</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

Sec. 282. NAC 445A.2206 is hereby amended to read as follows:

445A.2206 The limits of this table apply to the body of water known as Eagle Valley Creek from its headwaters to Eagle Valley Reservoir. Eagle Valley Creek is located in Lincoln County.

STANDARDS OF WATER QUALITY

Eagle Valley Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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			Trout.												
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 283.** NAC 445A.2208 is hereby amended to read as follows:

445A.2208 The limits of this table apply to the entire body of water known as Eagle Valley Reservoir. Eagle Valley Reservoir is located in Lincoln County.

STANDARDS OF WATER QUALITY

Eagle Valley Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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			Trout.												
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T = 0$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.10			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ <del>{235}</del> 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*

**Sec. 284.** NAC 445A.2212 is hereby amended to read as follows:

445A.2212 The limits of this table apply to the entire body of water known as Echo Canyon Reservoir. Echo Canyon Reservoir is located in Lincoln County.

STANDARDS OF WATER QUALITY

Echo Canyon Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			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			Trout.												
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq$ 20 $\Delta T \leq 3$			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. $\geq$ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. $\leq$ 0.33			*	*	X	X							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*							
E. coli - <del>{No./100 ml}</del> cfu/100 mL <sup>d</sup>		<del>{A.G.M.}</del> G.M. $\leq$ 126 S.V. $\leq$ <del>{235}</del> 410				*	X								
Fecal Coliform - No./100 ml		S.V. $\leq$ 1,000	X	*			X	X		X					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*



**Sec. 285.** NAC 445A.2214 is hereby amended to read as follows:

445A.2214 The limits of this table apply to the body of water known as Clover Creek from its origin to the point where it crosses the east range line of T. 4 S., R. 67 E., M.D.B. & M. Clover Creek is located in Lincoln County.

## STANDARDS OF WATER QUALITY

### Clover Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>														
			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			Trout.														
Temperature - °C $\Delta T^b$ - °C		S.V. $\leq 20$ $\Delta T = 0$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X							
Total Phosphorus (as P) - mg/l		S.V. $\leq 0.10$			*	*	X	X									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*									
E. coli - <del>{No./100 ml}</del> <i>cfu/100 mL<sup>d</sup></i>		<del>{A.G.M.}</del> <i>G.M.</i> $\leq 126$ S.V. $\leq 410$				*	X										
Fecal Coliform - No./100 ml		S.V. $\leq 1,000$	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

<sup>b</sup> 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.

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

<sup>d</sup> *The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.*