PROPOSED REGULATION OF THE

STATE ENVIRONMENTAL COMMISSION

LCB FILE NO. R147-24I

THE FOLLOWING DOCUMENT IS THE INITIAL DRAFT REGULATION PROPOSED BY THE AGENCY SUBMITTED ON 06/20/2024

PETITION P2024-14 – 06/17/2024 (CARSON RIVER)

PROPOSED PERMANENT REGULATION OF THE
NEVADA STATE ENVIRONMENTAL COMMISSION

AUTHORITY: §§1-318, NRS 445A.425 and 445A.520.

A PERMANENT REGULATION relating to water quality; making various changes in provisions that establish standards for water quality; and providing other matters properly relating thereto.

PETITION 2024-14 Changes to the Nevada Administrative Code revising the Nevada water quality regulations to change the previous beneficial use subcategory for segments of the Carson River in Carson Valley from "cold-water species" to "warm-water species" on NAC 445A.1792 - NAC 445A.1864, Carson Region. The proposed regulation will also designate previously undesignated waters considered tributary to the affected segments of the Carson River to ensure adequate protection of beneficial uses.

Proposed Revisions:

The proposed updates to the NAC are shown below with ***additions in blue bold-italics*** text and omissions shown in red ~~[strikethrough]~~ text, bound by brackets:

Section 1. NAC 445A.1796 is hereby amended to read as follows:

Standards for Surface Water Quality

NAC 445A.1796 Carson Region: Carson River, West Fork at the state line. (NRS 445A.425**,** 445A.520**)** The limits of this table apply to the body of water known as the West Fork of the Carson River at the California-Nevada state line. This segment of the West Fork of the Carson River is located in Douglas County.

STANDARDS OF WATER QUALITY
Carson River, West Fork at the state line

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			~~[Rainbow trout and brown trout]~~ ***Native cold-water species***										
Temperature - °C ΔT^b - °C	$\Delta T = 0$	S.V. Nov-May ≤ 13 S.V. Jun ≤ 17 S.V. Jul ≤ 21 S.V. Aug-Oct ≤ 22 ΔT			*								
pH – SU	S.V. 7.4 - 8.4	S.V. 6.5 - 9.0 $\Delta pH \pm 0.5$			*								
Dissolved Oxygen - mg/L		S.V. Nov-May ≥ 6.0 S.V. Jun-Oct ≥ 5.0			*								
Total Phosphorus (as P) - mg/L	A-Avg. ≤ 0.016 S.V. ≤ 0.033	A-Avg. ≤ 0.10			*	*							
Total Nitrogen (as N) - mg/L	A-Avg. ≤ 0.4 S.V. ≤ 0.5				*	*							
Nitrate (as N) - mg/L		S.V. ≤ 10						*					
Nitrite (as N) - mg/L		S.V. ≤ 0.06			*								
Total Ammonia (as N) - mg/L		[c]			*								
Total Suspended Solids - mg/L	A-Avg. ≤ 15	S.V. ≤ 25			*								
Turbidity – NTU	A-Avg. ≤ 3 S.V. ≤ 5	S.V. ≤ 10			*								
Color - PCU	[d]	S.V. ≤ 75						*					
Total Dissolved Solids - mg/L	A-Avg. ≤ 70 S.V. ≤ 95	A-Avg. ≤ 500						*					
Chloride - mg/L	A-Avg. ≤ 3 S.V. ≤ 5	S.V. ≤ 250						*					
Sulfate - mg/L	S.V. ≤ 4	S.V. ≤ 250						*					
Sodium – SAR	A-Avg. ≤ 1	A-Avg. ≤ 8		*									

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Alkalinity (as $CaCO_3$) - mg/L		S.V. ≥ 20			*								
E. coli - cfu/100 mL[e]		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL	A.G.M. ≤ 105	S.V. ≤ 1,000		*									
Toxic Materials		[f]											

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

[a] Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

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

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

[f] The water quality criteria for toxic materials are specified in NAC 445A.1236.

Section 2. Chapter 445A of NAC is hereby amended by adding thereto the provisions set forth in this section:

NAC 445A.#### Carson Region: Carson River, West Fork at Brockliss Slough Diversion. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the West Fork of the Carson River from the California-Nevada state line to the Brockliss Slough Diversion. 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 Brockliss Slough Diversion

PARAMETER	*REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY*	*WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES*	*Beneficial Uses[a]*										
			Livestock	*Irrigation*	*Aquatic*	*Contact*	*Noncontact*	*Municipal*	*Industrial*	*Wildlife*	*Aesthetic*	*Enhance*	*Marsh*
Beneficial Uses			*X*	*X*	*X*	*X*	*X*	*X*	*X*	*X*			
Aquatic Life Species of Concern			*Native cold-water species*										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - ℃ ΔT[b] - ℃	 ΔT = 0	S.V. Nov-May ≤ 13 S.V. Jun ≤ 17 S.V. Jul ≤ 21 S.V. Aug-Oct ≤ 2 ΔT			*								
pH – SU	S.V. 7.4 - 8.4	S.V. 6.5 - 9.0 ΔpH ±0.5			*								
Dissolved Oxygen - mg/L		S.V. Nov-May ≥ 6.0 S.V. Jun-Oct ≥ 5.0			*								
Total Phosphorus (as P) - mg/L	≤ 0.01 A-Avg. 6 S.V. ≤ 0.033	A-Avg. ≤ 0.10			*	*							
Total Nitrogen (as N) - mg/L	≤ A-Avg. 0.4 S.V. ≤ 0.5				*	*							
Nitrate (as N) - mg/L		S.V. ≤ 10						*					
Nitrite (as N) - mg/L		S.V. ≤ 0.06			*								
Total Ammonia (as N) - mg/L		[c]			*								
Total Suspended Solids - mg/L	A-Avg. ≤ 15	S.V. ≤ 25			*								
Turbidity – NTU	A-Avg. ≤ 3 S.V. ≤ 5	S.V. ≤ 10			*								
Color - PCU	[d]	S.V. ≤ 75						*					
Total Dissolved Solids - mg/L	A-Avg. ≤ 70 S.V. ≤ 95	A-Avg. ≤ 500						*					
Chloride - mg/L	A-Avg. ≤ 3 S.V. ≤ 5	S.V. ≤ 250						*					
Sulfate - mg/L	S.V. ≤ 4	S.V. ≤ 250						*					
Sodium – SAR	A-Avg. ≤ 1	A-Avg. ≤ 8		*									
Alkalinity (as $CaCO_3$) - mg/L		S.V. ≥ 20			*								

PARAMETER	*REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY*	*WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES*	*Beneficial Uses[a]*										
			Livestock	*Irrigation*	*Aquatic*	*Contact*	*Noncontact*	*Municipal*	*Industrial*	*Wildlife*	*Aesthetic*	*Enhance*	*Marsh*
E. coli - cfu/100 mL[e]		*G.M. ≤ 126 S.V. ≤ 410*				*							
Fecal Coliform - No./100 mL	*A.G.M. ≤ 105*	*S.V. ≤ 1,000*		*									
Toxic Materials		*[f]*											

** = The most restrictive beneficial use.*
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The 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 geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.
[f] The water quality criteria for toxic materials are specified in NAC 445A.1236.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R093-13, 12-23-2013; R102-16 & R109-16, 12-19-2017)

Section 3. NAC 445A.1804 is hereby amended to read as follows:

NAC 445A.1804 Carson Region: Carson River, East Fork at U.S. Highway 395 south of Gardnerville. (NRS 445A.425, 445A.520**)** The limits of this table apply to the body of water known as the East Fork of the Carson River from the California-Nevada state line to the Riverview Mobile Home Park at U.S. Highway 395 south of Gardnerville, except for the length of the river within the exterior borders of the Washoe Indian Reservation. This segment of the East Fork of the Carson River is located in Douglas County.

STANDARDS OF WATER QUALITY
Carson River, East Fork at U.S. Highway 395 south of Gardnerville

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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Aquatic Life Species of Concern			~~[Rainbow trout and brown trout.]~~ ***Native warm-water species***										
Temperature - °C ΔT^b - °C	$\Delta T = 0$	***S.V. ≤ 28*** ~~[S.V. Nov-May ≤ 13 S.V. ≤ 17 Jun ≤ 21 S.V. ≤ 22 Jul ≤ 2 S.V. Aug-Oct]~~ ΔT			*								
pH - SU	S.V. 7.5 - 8.6	S.V. 6.5 - 9.0 $\Delta pH \pm 0.5$			*								
Dissolved Oxygen - mg/L		S.V. Nov-May ≥ 6.0 S.V. ≥ 5.0 Jun-Oct			*								
Total Phosphorus (as P) - mg/L		A-≤ Avg. 0.10			*	*							
Total Nitrogen (as N) - mg/L	A-Avg. ≤ 0.4 S.V. ≤ 0.5				*	*							
Nitrate (as N) - mg/L		S.V. ≤ 10						*					
Nitrite (as N) - mg/L		S.V. ≤ 0.06			*								
Total Ammonia (as N) - mg/L		[c]			*								
Total Suspended Solids - mg/L		S.V. ≤ 80			*								
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU	[d]	S.V. ≤ 75						*					
Total Dissolved Solids - mg/L	≤ A-Avg. 120 S.V. ≤ 175	A-≤ Avg. 500						*					
Chloride - mg/L	A-Avg. ≤ 6 S.V. ≤ 10	S.V.						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
		≤ 250											
Sulfate - mg/L		S.V. ≤ 250						*					
Sodium - SAR	A-Avg. ≤ 2	A-Avg. ≤ 8		*									
Alkalinity (as $CaCO_3$) - mg/L		S.V. ≥ 20			*								
E. coli - cfu/100 mL[e]		≤ G.M. 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL	A.G.M. ≤ 20 S.V. ≤ 85	S.V. ≤ 1,000		*									
Toxic Materials		[f]											

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The 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 geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.
[f] The water quality criteria for toxic materials are specified in NAC 445A.1236.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R093-13, 12-23-2013; R102-16 & R109-16, 12-19-2017)

Section 4. NAC 445A.1806 is hereby amended to read as follows:

NAC 445A.1806 Carson Region: Carson River, East Fork at Muller Lane. (NRS 445A.425**,** 445A.520**)** The limits of this table apply to the body of water known as the East Fork of the Carson River from the Riverview Mobile Home Park at U.S. Highway 395 to Muller Lane, except for the length of the river within the exterior borders of the Washoe Indian Reservation. This segment of the East Fork of the Carson River is located in Douglas County.

STANDARDS OF WATER QUALITY

Carson River, East Fork at Muller Lane

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			~~[Rainbow trout and brown trout]~~ ***Native warm-water species***										
Temperature - °C ΔT^b - °C	$\Delta T = 0$	***S.V. ≤ 28*** ~~≤ [S.V. Nov-May ≤ 13°C S.V. Jun ≤ 17°C S.V. Jul ≤ 21°C S.V. Aug-Oct ≤ 22°C]~~ $\Delta T \leq 2°C$			*								
pH - SU	S.V. 7.4 - 8.7	S.V. 6.5 - 9.0 $\Delta pH \pm 0.5$			*								
Dissolved Oxygen - mg/L		S.V. Nov-May ≥ 6.0 S.V. Jun-Oct ≥ 5.0			*								
Total Phosphorus (as P) - mg/L		A-Avg. ≤ 0.10			*	*							
Total Nitrogen (as N) - mg/L	A-Avg. ≤ 0.5 S.V. ≤ 0.8				*	*							
Nitrate (as N) - mg/L		S.V. ≤ 10						*					
Nitrite (as N) - mg/L		S.V. ≤ 0.06			*								
Total Ammonia (as N) - mg/L		[c]			*								
Total Suspended Solids - mg/L		S.V. ≤ 80			*								
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU	[d]	S.V. ≤ 75						*					
Total Dissolved Solids - mg/L	A-Avg. ≤ 180 S.V. ≤ 205	A-Avg. ≤ 500						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Chloride - mg/L	A-Avg. ≤ 8 S.V. ≤ 10	S.V. ≤ 250						*					
Sulfate - mg/L		S.V. ≤ 250						*					
Sodium - SAR	A-Avg. ≤ 2	A-Avg. ≤ 8		*									
Alkalinity (as $CaCO_3$) - mg/L		S.V. ≥ 20			*								
E. coli - cfu/100 mL[e]		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL	A.G.M. ≤ 50	S.V. ≤ 1,000		*									
Toxic Materials		[f]											

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

[a] Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

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

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

[f] The water quality criteria for toxic materials are specified in NAC 445A.1236.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R093-13, 12-23-2013; R102-16 & R109-16, 12-19-2017)

Section 5. NAC 445A.1808 is hereby amended to read as follows:

NAC 445A.1808 Carson Region: Carson River at Genoa Lane. (NRS 445A.425**,** 445A.520**)** The limits of this table apply to the bodies of water known as the Carson River, including the East Fork of the Carson River from Muller Lane to the West Fork, the West Fork of the Carson River from the California-Nevada state line to the East Fork, and the main stem of the Carson River from the confluence of the East and West Forks to Genoa Lane. These segments of the Carson River are located in Douglas County.

STANDARDS OF WATER QUALITY

Carson River at Genoa Lane

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			~~[Catfish, rainbow trout and brown trout.]~~ ***Native warm-water species***										
Temperature - °C ΔT^b - °C	$\Delta T = 0$	***S.V. ≤ 28*** ~~[S.V. Nov-Apr ≤ 13 S.V. ≤ 17 May-Jun ≤ 23]~~ ≤ 2 S.V. Jul-Oct ΔT			*								
pH - SU	S.V. 7.4 - 8.5	S.V. 6.5 - 9.0 $\Delta pH \pm 0.5$			*								
Dissolved Oxygen - mg/L		S.V. Nov-Apr ≥ 6.0 S.V. ≥ 5.0 May-Oct			*								
Total Phosphorus (as P) - mg/L		A-Avg. ≤ 0.10			*	*							
Total Nitrogen (as N) - mg/L	A-Avg. ≤ 0.8 S.V. ≤ 1.3				*	*							
Nitrate (as N) - mg/L		S.V. ≤ 10						*					
Nitrite (as N) - mg/L		S.V. ≤ 0.06			*								
Total Ammonia (as N) - mg/L		[c]			*								
Total Suspended Solids - mg/L		S.V. ≤ 80			*								
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU	[d]	S.V. ≤ 75						*					
Total Dissolved Solids - mg/L	A-Avg. ≤ 165 S.V. ≤ 220	A-Avg. ≤ 500						*					
Chloride - mg/L	A-Avg. ≤ 8 S.V. ≤ 12	S.V.						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
		≤ 250											
Sulfate - mg/L		S.V. ≤ 250						*					
Sodium - SAR	A-Avg. ≤ 2	A-Avg. ≤ 8		*									
Alkalinity (as $CaCO_3$) - mg/L		S.V. ≥ 20			*								
E. coli - cfu/100 mL[e]		≤ G.M. 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL	A.G.M. ≤ 180	S.V. ≤ 1,000		*									
Toxic Materials		[f]											

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

[a] Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

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

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

[f] The water quality criteria for toxic materials are specified in NAC 445A.1236.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-16 & R109-16, 12-19-2017)

Section 6. NAC 445A.1812 is hereby amended to read as follows:

NAC 445A.1812 Carson Region: Carson River at Cradlebaugh Bridge. (NRS 445A.425**,** 445A.520**)** The limits of this table apply to the body of water known as the Carson River from Genoa Lane to U.S. Highway 395 at Cradlebaugh Bridge, except for the length of the river within the exterior borders of the Washoe Indian Reservation. This segment of the Carson River is located in Douglas County.

STANDARDS OF WATER QUALITY
Carson River at Cradlebaugh Bridge

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			~~[Catfish, rainbow trout and brown trout.]~~ ***Native warm-water species***										
Temperature - °C ΔT^b - °C	$\Delta T = 0$	***S.V. ≤ 28*** ~~[S.V. Nov-Apr ≤ 13 S.V. ≤ 17 May-Jun ≤ 23]~~ S.V. Jul-Oct $\Delta T \leq 2$			*								
pH - SU	S.V. 7.5 - 8.4	S.V. 6.5 - 9.0 $\Delta pH \pm 0.5$			*								
Dissolved Oxygen - mg/L		S.V. Nov-Apr ≥ 6.0 S.V. ≥ 5.0 May-Oct			*								
Total Phosphorus (as P) - mg/L		A-Avg. ≤ 0.10			*	*							
Total Nitrogen (as N) - mg/L	A-Avg. ≤ 0.85 S.V. ≤ 1.2				*	*							
Nitrate (as N) - mg/L		S.V. ≤ 10						*					
Nitrite (as N) - mg/L		S.V. ≤ 0.06			*								
Total Ammonia (as N) - mg/L		[c]			*								
Total Suspended Solids - mg/L		S.V. ≤ 80			*								
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU	[d]	S.V. ≤ 75						*					
Total Dissolved Solids - mg/L	A-Avg. ≤ 180 S.V. ≤ 230	A-Avg. ≤ 500						*					
Chloride - mg/L	A-Avg. ≤ 8 S.V. ≤ 15	S.V. ≤ 250						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Sulfate - mg/L		S.V. ≤ 250						*					
Sodium - SAR	A-Avg. ≤ 2	A-Avg. ≤ 8		*									
Alkalinity (as $CaCO_3$) - mg/L		S.V. ≥ 20			*								
E. coli - cfu/100 mL[e]		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL		S.V. ≤ 1,000		*									
Toxic Materials		[f]											

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

[a] Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

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

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

[f] The water quality criteria for toxic materials are specified in NAC 445A.1236.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R093-13, 12-23-2013; R102-16 & R109-16, 12-19-2017)

Section 7. NAC 445A.1814 is hereby amended to read as follows:

NAC 445A.1814 Carson Region: Carson River at the Mexican Ditch Gage. (NRS 445A.425**,** 445A.520**)** The limits of this table apply to the body of water known as the Carson River from U.S. Highway 395 at Cradlebaugh Bridge to the Mexican Ditch Gage. This segment of the Carson River is located in Carson City and Douglas County.

STANDARDS OF WATER QUALITY
Carson River at the Mexican Ditch Gage

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			~~[Rainbow trout and brown trout.]~~ ***Native warm-water species***										
Temperature - °C ΔT^b - °C	$\Delta T = 0$	***S.V. ≤ 28*** ~~[S.V. Nov- ≤ 13 Apr ≤ 17 S.V. ≤ May- 23]~~ ~~Jun~~ ≤ 2 ~~S.V. Jul Oct~~ ΔT			*								
pH - SU	S.V. 7.4 - 8.5	S.V. 6.5 - 9.0 $\Delta pH \pm 0.5$			*								
Dissolved Oxygen - mg/L		S.V. Nov- Apr ≥ 6.0 S.V. May- Oct ≥ 5.0			*								
Total Phosphorus (as P) - mg/L		A-Avg. ≤ 0.10			*	*							
Total Nitrogen (as N) - mg/L	A-Avg. ≤ 0.8 S.V. ≤ 1.3				*	*							
Nitrate (as N) - mg/L		S.V. ≤ 10						*					
Nitrite (as N) - mg/L		S.V. ≤ 0.06			*								
Total Ammonia (as N) - mg/L		[c]			*								
Total Suspended Solids - mg/L		S.V. ≤ 80			*								
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU	[d]	S.V. ≤ 75						*					
Total Dissolved Solids - mg/L	A-Avg. ≤ 285 S.V. ≤ 360	A-Avg. ≤ 500						*					
Chloride - mg/L	A-Avg. ≤ 17 S.V. ≤ 23	S.V.						*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
		≤ 250											
Sulfate - mg/L	A-Avg. ≤ 24 S.V. ≤ 100	S.V. ≤ 250						*					
Sodium - SAR	A-Avg. ≤ 2	A-Avg. ≤ 8		*									
Alkalinity (as $CaCO_3$) - mg/L		S.V. ≥ 20			*								
E. coli - cfu/100 mL[e]		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL	A.G.M. ≤ 110 S.V. ≤ 295	S.V. ≤ 1,000		*									
Toxic Materials		[f]											

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

[a] Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

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

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

[f] The water quality criteria for toxic materials are specified in NAC 445A.1236.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-16 & R109-16, 12-19-2017)

Section 8. NAC 445A.1816 is hereby amended to read as follows:

NAC 445A.1816 Carson Region: Carson River near New Empire. (NRS 445A.425**,** 445A.520**)** The limits of this table apply to the body of water known as the Carson River from the Mexican Ditch Gage to New Empire. This segment of the Carson River is located in Carson City.

STANDARDS OF WATER QUALITY
Carson River near New Empire

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			~~[Smallmouth bass, rainbow trout and brown trout.]~~ ***Native warm-water species***										
Temperature - °C ΔT^b - °C	$\Delta T = 0$	***S.V. ≤ 28*** ~~[S.V. Nov - ≤ 18 May ≤ 23]~~ ~~S.V.~~ ≤ 2 ~~Jun - Oct~~ ΔT			*								
pH - SU	S.V. 7.4 - 8.4	S.V. 6.5 - 9.0 ΔpH ±0.5			*								
Dissolved Oxygen - mg/L		S.V. ≥ 5.0			*								
Total Phosphorus (as P) - mg/L		A- ≤ Avg. 0.10			*	*							
Total Nitrogen (as N) - mg/L	A-Avg. ≤ 1.3 S.V. ≤ 1.7				*	*							
Nitrate (as N) - mg/L		S.V. ≤ 10						*					
Nitrite (as N) - mg/L		S.V. ≤ 0.06			*								
Total Ammonia (as N) - mg/L		[c]			*								
Total Suspended Solids - mg/L		S.V. ≤ 80			*								
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU	[d]	S.V. ≤ 75						*					
Total Dissolved Solids - mg/L	A-Avg. ≤ 260 S.V. ≤ 375	A- ≤ Avg. 500						*					
Chloride - mg/L	A-Avg. ≤ 13 S.V. ≤ 24	S.V. ≤ 250						*					
Sulfate - mg/L		S.V. ≤ 250						*					
Sodium - SAR	A-Avg. ≤ 2	A-Avg. ≤ 8		*									
Alkalinity		S.V. ≥ 20			*								

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
(as $CaCO_3$) - mg/L													
E. coli - cfu/100 mL[e]		G.M. $\leq$ 126 S.V. $\leq$ 410				*							
Fecal Coliform - No./100 mL		S.V. $\leq$ 1,000		*									
Toxic Materials		[f]											

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The 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 geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.
[f] The water quality criteria for toxic materials are specified in NAC 445A.1236.

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R131-12, 12-20-2012; R102-16 & R109-16, 12-19-2017)

Section 9. NAC 445A.1792 is hereby amended to read as follows:

NAC 445A.1792 Carson Region: Designated beneficial uses. (NRS 445A.425**,** 445A.520**)** The designated beneficial uses for select bodies of water within the Carson Region are prescribed in this section:

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Carson River, West Fork	At the California-	X	X	X	X	X	X	X	X				***Native cold-***	NAC 445A.1796

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
at the state line	Nevada state line.												***water species*** ~~[Rainbow trout and brown trout]~~	
Bryant Creek near the state line	From the California-Nevada state line to its confluence with the East Fork of the Carson River.	X	X	X	X	X	X	X	X				Rainbow trout and brown trout	NAC 445A.1798
Carson River, East Fork at the state line	At the California-Nevada state line.	X	X	X	X	X	X	X	X				Rainbow trout and brown trout	NAC 445A.1802
Carson River, East Fork at U.S. Highway 395 south of Gardnerville	From the California-Nevada state line to the Riverview Mobile Home Park at U.S. Highway 395 south of Gardnerville, except for the length of the river within the exterior borders of the Washoe Indian Reservation.	X	X	X	X	X	X	X	X				Rainbow trout and brown trout	NAC 445A.1804
Carson River, East Fork	From the Riverview Mobile Home Park at U.S.	X	X	X	X	X	X	X	X				***Native warm-water species***	NAC 445A.1806

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
at Muller Lane	Highway 395 to Muller Lane, except for the length of the river within the exterior borders of the Washoe Indian Reservation.												~~[Rainbow trout and brown trout]~~	
Carson River, West Fork at the Brockliss Slough Diversion	***From the California-Nevada state line to the Brockliss Slough Diversion.***	***X***	***X***	***X***	***X***	***X***	***X***	***X***	***X***				***Native cold-water species***	***NAC 445A.####***
Carson River at Genoa Lane	The East Fork of the Carson River from Muller Lane to the West Fork, the West Fork of the Carson River from the ***Brockliss Slough Diversion*** ~~[California-Nevada state line]~~ to the East Fork, and the main stem of the Carson River from the confluence of the East and West	X	X	X	X	X	X	X	X				***Native warm-water species*** ~~[Catfish, rainbow trout and brown trout]~~	NAC 445A.1808

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
	Forks to Genoa Lane.													
Carson River at Cradlebaugh Bridge	From Genoa Lane to U.S. Highway 395 at Cradlebaugh Bridge, except for the length of the river within the exterior borders of the Washoe Indian Reservation.	X	X	X	X	X	X	X	X				***Native warm-water species*** ~~[Catfish, rainbow trout and brown trout]~~	NAC 445A.1812
Carson River at the Mexican Ditch Gage	From U.S. Highway 395 at Cradlebaugh Bridge to the Mexican Ditch Gage.	X	X	X	X	X	X	X	X				***Native warm-water species*** ~~[Rainbow trout and brown trout]~~	NAC 445A.1814
Carson River near New Empire	From the Mexican Ditch Gage to New Empire.	X	X	X	X	X	X	X	X				***Native warm-water species*** ~~[Smallmouth bass, rainbow trout and brown trout]~~	NAC 445A.1816
Carson River at Dayton Bridge	From New Empire to the Dayton Bridge.	X	X	X	X	X	X	X	X				Walleye, channel catfish and white bass	NAC 445A.1818
Carson River at Lahontan Reservoir	From the Dayton Bridge to Lahontan Reservoir.	X	X	X	X	X	X	X	X				Walleye, channel catfish and white bass	NAC 445A.1822

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Lahontan Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Walleye, channel catfish and white bass	NAC 445A.1824
Lower Carson River	From Lahontan Reservoir to the Carson Sink (the natural channel).	X	X	X	X	X	X	X	X					NAC 445A.1826
Daggett Creek	From its origin to the Carson River.	X	X	X	X	X	X		X					NAC 445A.1828
Genoa Creek	From its origin to the first diversion box at the mouth of the canyon, near the east line of section 9, T. 13 N., R. 19 E., M.D.B. & M.	X	X	X	X	X	X		X					NAC 445A.1832
Sierra Canyon Creek	From its origin to the first diversion structure at the mouth of the canyon, near the east line of section 4, T. 13 N., R. 19 E., M.D.B. & M.	X	X	X	X	X	X		X					NAC 445A.1834
Clear Creek at the gaging station	From its origin to gaging station number 10-3105,	X	X	X	X	X	X		X					NAC 445A.1836

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
	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.													
Clear Creek at the Carson River	From gaging station number 10-3105, located in the NE 1/4 of the NW 1/4 of section 1, T. 14 N., R. 19 E., M.D.B. & M., to the Carson River, except for the length of the creek within the exterior borders of the Washoe Indian Reservation.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1838
Kings Canyon	From its origin to the point of diversion of the Carson City Water Department, near the east	X	X	X	X	X	X		X					NAC 445A.1842

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
	line of section 23, T. 15 N., R. 19 E., M.D.B. & M.													
Ash Canyon	From its origin to the first point of diversion of the Carson City Water Department, near the west line of section 12, T. 15 N., R. 19 E., M.D.B. & M.	X	X	X	X	X	X		X					NAC 445A.1844
V-Line Canal	From the Carson diversion dam to its division into the S and L Canals.	X	X	X	X	X	X	X	X					NAC 445A.1846
Rattlesnake Reservoir	The entire reservoir; also known as S-Line Reservoir.	X	X	X	X	X	X	X	X					NAC 445A.1848
Indian Lakes	All the lakes, including Upper Lake, Likes Lake, Papoose Lake, Big Indian Lake, Little Cottonwood Lake, Big Cottonwood Lake and East Lake.	X	X	X	X	X	X	X	X					NAC 445A.1852

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Diagonal Drain	The entire length.	X	X	X	X	X	X	X	X					NAC 445A.1854
South Carson Lake	The entire lake; also known as Government Pasture and the Greenhead Gun Club.	X	X	X	X	X	X	X	X					NAC 445A.1856
Harmon Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X					NAC 445A.1858
Stillwater Marsh east of Westside Road	East of Westside Road and north of the community of Stillwater.	X	X	X	X	X	X	X	X					NAC 445A.1862
Stillwater Marsh west of Westside Road	West of Westside Road and south of the community of Stillwater.	X	X	X		X		X	X					NAC 445A.1864
Corsser Creek	***From its origin to Brockliss Slough.***	***X***	***X***	***X***	***X***	***X***	***X***		***X***				***Native cold-water species***	***Nac 445A.####***
Monument Creek	***From its origin to Brockliss Slough.***	***X***	***X***	***X***	***X***	***X***	***X***		***X***				***Native cold-water species***	***Nac 445A.####***
Mott Creek	***From its origin to Brockliss Slough.***	***X***	***X***	***X***	***X***	***X***	***X***		***X***				***Native cold-water species***	***Nac 445A.####***

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Sheridan Creek	***From its origin to Brockliss Slough.***	***X***	***X***	***X***	***X***	***X***	***X***		***X***				***Native cold-water species***	***Nac 445A.#####***

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

(Added to NAC by Environmental Comm'n by R160-06, eff. 8-26-2008; A by R101-14, 4-4-2016; R109-16, 12-19-2017)

Section 10. Chapter 445A of NAC is hereby amended by adding thereto the provisions set forth in sections 11 to 14, inclusive, of this regulation.

Section 11.

NAC 445A. #### Carson Region: Corsser Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Corsser Creek from its origin to Brockliss Slough. Corsser Creek is located in Douglas County.

STANDARDS OF WATER QUALITY

Corsser Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern			Native cold-water species										
Temperature - ℃ ΔT^b - ℃		S.V. ≤ 20 $\Delta T = 0$			*								
pH - SU		S.V. 6.5 - 9.0			*								
Dissolved Oxygen - mg/L		S.V. ≥ 6.0			*								
Total Phosphorus (as P) - mg/L		S.V. ≤ 0.10			*	*							
Total Ammonia (as N) - mg/L		[c]			*								
Total Dissolved Solids - mg/L		S.V. ≤ 500						*					
E. coli - cfu/100 mL[d]		≤ G.M. 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL		S.V. ≤ 1,000		*									
Toxic Materials		[e]											

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

[a] Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

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

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

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

[e] The water quality criteria for toxic materials are specified in NAC 445A.1236.

Section 12.

NAC 445A. #### Carson Region: Monument Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Monument Creek from its origin to Brockliss Slough. Monument Creek is located in Douglas County.

STANDARDS OF WATER QUALITY
Monument Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern			Native cold-water species										
Temperature - °C ΔT^b - °C		S.V. ≤ 20 $\Delta T = 0$			*								
pH - SU		S.V. 6.5 - 9.0			*								
Dissolved Oxygen - mg/L		S.V. ≥ 6.0			*								
Total Phosphorus (as P) - mg/L		S.V. ≤ 0.10			*	*							
Total Ammonia (as N) - mg/L		[c]			*								
Total Dissolved Solids - mg/L		S.V. ≤ 500						*					
E. coli - cfu/100 mL[d]		≤ G.M. 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL		S.V. ≤ 1,000		*									
Toxic Materials		[e]											

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

[a] Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The water quality criteria for ammonia are specified in NAC 445A.118.
[d] The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.
[e] The water quality criteria for toxic materials are specified in NAC 445A.1236.

Section 13.

NAC 445A. #### Carson Region: Mott Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Mott Creek from its origin to Brockliss Slough. Mott Creek is located in Douglas County.

STANDARDS OF WATER QUALITY
Mott Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern			Native cold-water species										
Temperature - ℃ ΔT^b - ℃		S.V. ≤ 20 $\Delta T = 0$			*								
pH - SU		S.V. 6.5 - 9.0			*								
Dissolved Oxygen - mg/L		S.V. ≥ 6.0			*								
Total Phosphorus (as P) - mg/L		S.V. ≤ 0.10			*	*							
Total Ammonia (as N) - mg/L		[c]			*								
Total Dissolved Solids - mg/L		S.V. ≤ 500						*					
E. coli - cfu/100 mL[d]		≤ G.M. 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL		S.V. ≤ 1,000		*									
Toxic Materials		[e]											

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

[a] Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The water quality criteria for ammonia are specified in NAC 445A.118.
[d] The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.
[e] The water quality criteria for toxic materials are specified in NAC 445A.1236.

Section 14.

NAC 445A. #### Carson Region: Sheridan Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Sheridan Creek from its origin to Brockliss Slough. Sheridan Creek is located in Douglas County.

STANDARDS OF WATER QUALITY
Sheridan Creek

PARAMETER	*REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY*	*WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES*	*Beneficial Uses[a]*										
			Livestock	*Irrigation*	*Aquatic*	*Contact*	*Noncontact*	*Municipal*	*Industrial*	*Wildlife*	*Aesthetic*	*Enhance*	*Marsh*
Beneficial Uses			*X*	*X*	*X*	*X*	*X*	*X*		*X*			
Aquatic Life Species of Concern			*Native cold-water species*										
Temperature - ℃ ΔT[b] - ℃		*S.V. ≤ 20 ΔT = 0*			*								
pH - SU		*S.V. 6.5 - 9.0*			*								
Dissolved Oxygen - mg/L		*S.V. ≥ 6.0*			*								
Total Phosphorus (as P) - mg/L		*S.V. ≤ 0.10*			*	*							
Total Ammonia (as N) - mg/L		*[c]*			*								
Total Dissolved Solids - mg/L		*S.V. ≤ 500*						*					
E. coli - cfu/100 mL[d]		*G.M. ≤ 126 S.V. ≤ 410*				*							
Fecal Coliform - No./100 mL		*S.V. ≤ 1,000*		*									
Toxic Materials		*[e]*											

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

[a] Refer to NAC 445A.122 and 445A.1792 for beneficial use terminology.

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

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

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

[e] ***The water quality criteria for toxic materials are specified in NAC 445A.1236.***