

**PROPOSED REGULATION OF THE  
STATE ENVIRONMENTAL COMMISSION**

**LCB File No. R130-15**

December 9, 2015

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

AUTHORITY: §§1-25, NRS 445A.425 and 445A.520.

A REGULATION relating to water quality; revising certain water quality standards and beneficial uses for the Humboldt Region; and providing other matters properly relating thereto.

**Legislative Counsel’s Digest:**

Existing law requires the State Environmental Commission to establish standards of water quality and amounts of waste which may be discharged into the waters of the State and to establish water quality standards to protect and ensure the continued beneficial use of each stream segment and other body of surface water in this State. (NRS 445A.425, 445A.520) **Sections 2-25** of this regulation revise various water quality standards and beneficial uses for the Humboldt Region, including standards relating to nitrates, nitrites, chlorides, sulfates, alkalinity, turbidity, color and suspended solids. **Sections 5, 7, 9, 11, 13-15, 17, 18, 21, 22, 24 and 25** add trout as an aquatic species of concern for the bodies of waters designated in those sections. **Section 1** of this regulation makes conforming changes.

**Section 1.** NAC 445A.1432 is hereby amended to read as follows:

445A.1432 The designated beneficial uses for select bodies of water within the Humboldt Region are prescribed in this section:

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Humboldt River near Osino	From the upstream source of the main stem to Osino.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1436

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference	
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Humboldt River at Palisade	From Osino to the Palisade Gage.	X	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1438
Humboldt River at Battle Mountain	From the Palisade Gage to the Battle Mountain Gage.	X	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1442
Humboldt River at State Highway 789	From the Battle Mountain Gage to where State Highway 789 crosses the Humboldt River.	X	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1444
Humboldt River at Imlay	From the Comus Gage to Imlay.	X	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1446
Humboldt River at Woolsey	From Imlay to Woolsey.	X	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1448
Humboldt River at Rodgers Dam	From Woolsey to Rodgers Dam.	X	X	X	X	X	X	X	X	X					NAC 445A.1452
Humboldt River at the Humboldt Sink	From Rodgers Dam to the Humboldt Sink.	X	X	X	X	X		X	X						NAC 445A.1454
The Humboldt Sink	The entire sink.	X	X	X		X		X	X						NAC 445A.1455
Humboldt River, North Fork and tributaries at the national forest boundary	From their origin in the Independence Mountain Range to the national forest boundary.	X	X	X	X	X	X		X						NAC 445A.1456
Humboldt River, North Fork at Beaver Creek	From the national forest boundary to its confluence with Beaver Creek.	X	X	X	X	X	X	X	X	X				Trout	NAC 445A.1458
Humboldt River, North Fork at the Humboldt River	From its confluence with Beaver Creek to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X	X					NAC 445A.1462
Humboldt River, South Fork and tributaries at Lee	From their origin to Lee, except for the length of the river and the lengths of its tributaries within the exterior borders of the South Fork Indian Reservation.	X	X	X	X	X	X		X						NAC 445A.1464
Humboldt River, South Fork at the Humboldt River	From Lee to its confluence with the Humboldt River, except for the length of the river within the exterior borders of the South Fork Indian Reservation.	X	X	X	X	X	X	X	X	X				Trout	NAC 445A.1466
Little Humboldt River	The entire length.	X	X	X	X	X	X	X	X	X					NAC 445A.1468
Little Humboldt River, North Fork at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X	X	X	X				<i>Trout</i>	NAC 445A.1472
Little Humboldt River, North Fork at the South Fork of the Little Humboldt River	From the national forest boundary to its confluence with the South Fork of the Little Humboldt River.	X	X	X	X	X	X	X	X	X					NAC 445A.1474
Little Humboldt River, South Fork at the Elko-Humboldt county line	From its origin to the Elko-Humboldt county line.	X	X	X	X	X	X	X	X	X				<i>Trout</i>	NAC 445A.1476

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					
Little Humboldt River, South Fork at the North Fork of the Little Humboldt River	From the Elko-Humboldt county line to its confluence with the North Fork of the Little Humboldt River.	X	X	X	X	X	X	X	X	X							NAC 445A.1478
Marys River, upper	From its origin to the point where the river crosses the east line of T. 42 N., R. 59 E., M.D.B. & M.	X	X	X	X	X	X		X								NAC 445A.1482
Marys River at the Humboldt River	From the east line of T. 42 N., R. 59 E., M.D.B. & M., to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X					Trout			NAC 445A.1484
Tabor Creek	From its origin to the east line of T. 40 N., R. 60 E., M.D.B. & M.	X	X	X	X	X	X		X								NAC 445A.1486
Maggie Creek Tributaries	From their origin to the point where they become Maggie Creek or the point of their confluence with Maggie Creek.	X	X	X	X	X	X		X								NAC 445A.1488
Maggie Creek at Jack Creek	From where it is formed by the Maggie Creek tributaries to its confluence with Jack Creek.	X	X	X	X	X	X	X	X					Trout			NAC 445A.1492
Maggie Creek at Soap Creek	From its confluence with Jack Creek to its confluence with Soap Creek.	X	X	X	X	X	X	X	X					Trout			NAC 445A.1494
Maggie Creek at the Humboldt River	From its confluence with Soap Creek to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X								NAC 445A.1496
Secret Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X		X								NAC 445A.1498
Secret Creek at the Humboldt River	From the national forest boundary to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X					Trout			NAC 445A.1502
Lamoille Creek at the gaging station	From its origin to gaging station number 10-316500, located in the NE 1/4 of section 6, T. 32 N., R. 58 E., M.D.B. & M.	X	X	X	X	X	X		X								NAC 445A.1504
Lamoille Creek at the Humboldt River	From gaging station number 10-316500, located in the NE 1/4 of section 6, T. 32 N., R. 58 E., M.D.B. & M., to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X								NAC 445A.1506
J.D. Ponds	The entire area.	X	X	X	X	X	X	X	X								NAC 445A.1508
Denay Creek at Tonkin Reservoir	From its origin to Tonkin Reservoir.	X	X	X	X	X	X		X								NAC 445A.1512
Tonkin Reservoir	The entire reservoir.	X	X	X	X	X	X		X								NAC 445A.1514
Denay Creek below Tonkin Reservoir	Below Tonkin Reservoir.	X	X	X	X	X	X	X	X								NAC 445A.1516

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				
Rock Creek at Squaw Valley Ranch	From its origin to Squaw Valley Ranch.	X	X	X	X	X	X	X	X	X					<i>Trout</i>	NAC 445A.1518
Rock Creek below Squaw Valley Ranch	Below Squaw Valley Ranch.	X	X	X	X	X	X	X	X	X						NAC 445A.1522
Willow Creek at Willow Creek Reservoir	From its origin to Willow Creek Reservoir.	X	X	X	X	X	X	X	X	X					<i>Trout</i>	NAC 445A.1524
Willow Creek Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X	X					Trout	NAC 445A.1526
North Antelope Creek	From its origin to its confluence with Antelope Creek.	X		X	X	X		X	X							NAC 445A.1527
Pole Creek	From its origin to the point of diversion of the Golconda water supply, near the north line of section 13, T. 35 N., R. 39 E., M.D.B. & M.	X	X	X	X	X	X	X	X	X					<i>Trout</i>	NAC 445A.1528
Water Canyon Creek	From its origin to the point of diversion of the Winnemucca municipal water supply, near the west line of section 12, T. 35 N., R. 38 E., M.D.B. & M.	X	X	X	X	X	X	X	X	X					<i>Trout</i>	NAC 445A.1532
Martin Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X	X	X	X					<i>Trout</i>	NAC 445A.1534
Martin Creek below the national forest boundary	From the national forest boundary to the first diversion in T. 42 N., R. 40 E., M.D.B. & M.	X	X	X	X	X	X	X	X	X					Trout	NAC 445A.1536
Dutch John Creek	The entire length.	X	X	X	X	X	X	X	X	X					<i>Trout</i>	NAC 445A.1538
Huntington Creek at the White Pine-Elko county line	From its origin to the White Pine-Elko county line.	X	X	X	X	X	X		X							NAC 445A.1542
Huntington Creek at Smith Creek	From the White Pine-Elko county line to its confluence with Smith Creek.	X	X	X	X	X	X	X	X	X					Trout	NAC 445A.1544
Huntington Creek at the South Fork of the Humboldt River	From its confluence with Smith Creek to its confluence with the South Fork of the Humboldt River.	X	X	X	X	X	X	X	X	X						NAC 445A.1546
Green Mountain Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X		X							NAC 445A.1548
Green Mountain Creek at Corral Creek	From the national forest boundary to its confluence with Corral Creek.	X	X	X	X	X	X	X	X	X					Trout	NAC 445A.1552
Toyn Creek	From its origin to the national forest boundary.	X	X	X	X	X	X		X							NAC 445A.1554
Reese River at Indian Creek	From its origin to its confluence with Indian Creek, except for the length of the river within the exterior borders of the Yomba Indian Reservation.	X	X	X	X	X	X	X	X	X					<i>Trout</i>	NAC 445A.1556

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				
Reese River at State Route 722	From its confluence with Indian Creek to State Route 722 (old U.S. Highway 50), except for the length of the river within the exterior borders of the Yomba Indian Reservation.	X	X	X	X	X	X	X	X	X					Trout	NAC 445A.1558
Reese River below State Route 722	North of State Route 722 (old U.S. Highway 50).	X	X	X	X	X	X	X	X	X						NAC 445A.1562
San Juan Creek	From its origin to the national forest boundary.	X	X	X	X	X	X	X	X	X					<i>Trout</i>	NAC 445A.1564
Big Creek at the forest service campground	From its origin to the east boundary of the United States Forest Service's Big Creek Campground.	X	X	X	X	X	X	X	X	X					<i>Trout</i>	NAC 445A.1566
Big Creek below the forest service campground	From the east boundary of the United States Forest Service's Big Creek Campground to the first diversion dam, near the west line of section 4, T. 17 N., R. 43 E., M.D.B. & M.	X	X	X	X	X	X	X	X	X					Trout	NAC 445A.1568
Mill Creek	From its origin to the first point of diversion, near the south line of section 22, T. 29 N., R. 44 E., M.D.B. & M.	X	X	X	X	X	X	X	X	X					<i>Trout</i>	NAC 445A.1572
Lewis Creek	From its origin to the first point of diversion, near the center of section 23, T. 30 N., R. 45 E., M.D.B. & M.	X	X	X	X	X	X	X	X	X					<i>Trout</i>	NAC 445A.1574
Iowa Canyon Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X	X					Trout	NAC 445A.1576
Starr Creek	From the confluence of Ackler and Herder Creeks to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X	X					Trout	NAC 445A.1578
Irrigation	Irrigation															
Livestock	Watering of livestock															
Contact	Recreation involving contact with the water															
Noncontact	Recreation not involving contact with the water															
Industrial	Industrial supply															
Municipal	Municipal or domestic supply, or both															
Wildlife	Propagation of wildlife															
Aquatic	Propagation of aquatic life															
Aesthetic	Waters of extraordinary ecological or aesthetic value															
Enhance	Enhancement of water quality															
Marsh	Maintenance of a freshwater marsh															

Sec. 2. 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					
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								
<i>Nitrate (as N) - mg/l</i>		<i>S.V. <math>\leq 10</math></i>	<i>X</i>		<i>X</i>				<i>*</i>		<i>X</i>					
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq 1.0</math></i>	<i>X</i>		<i>*</i>				<i>X</i>		<i>X</i>					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq 80</math></i>			*											
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq 50</math></i>			*											
<i>Color - PCU</i>		<i>S.V. <math>\leq 75</math></i>							<i>*</i>							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq 860^d</math></i> <i>96-hr Avg. <math>\leq 230</math></i>	<i>X</i>		<i>*</i>				<i>X</i>		<i>X</i>					
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>							<i>*</i>							
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq 20</math></i>			<i>*</i>						<i>X</i>					
E. coli - No./100 ml		A.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.*

**Sec. 3.** 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. $\geq$ 3.0	X		*	X	X				X				
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq</math> 10</i>	<i>X</i>		<i>*</i>						<i>X</i>				
Total Ammonia (as N) - mg/l		<sup>b</sup>			*										
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq</math> 80</i>			<i>*</i>										
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq</math> 50</i>			<i>*</i>										
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq</math> 860<sup>c</sup> 96-hr Avg. <math>\leq</math> 230</i>	<i>X</i>		<i>*</i>						<i>X</i>				
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq</math> 20</i>			<i>*</i>						<i>X</i>				
E. coli - No./100 ml		A.G.M. $\leq$ 126 S.V. 576					*	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.*

**Sec. 4.** 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	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								
<i>Nitrate (as N) - mg/l</i>		<i>S.V. <math>\leq 10</math></i>	<i>X</i>		<i>X</i>			<i>*</i>		<i>X</i>						
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq 1.0</math></i>	<i>X</i>		<i>*</i>			<i>X</i>		<i>X</i>						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq 80</math></i>			*											
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq 50</math></i>			*											
<i>Color - PCU</i>		<i>S.V. <math>\leq 75</math></i>							<i>*</i>							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq 860^d</math></i> <i>96-hr Avg. <math>\leq 230</math></i>	<i>X</i>		<i>*</i>			<i>X</i>		<i>X</i>						
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>							<i>*</i>							
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq 20</math></i>			*						<i>X</i>					
E. coli - No./100 ml		A.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.*

**Sec. 5.** 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			<i>Trout.</i>													
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								
<i>Nitrate (as N) - mg/l</i>		<i>S.V. <math>\leq 10</math></i>	<i>X</i>		<i>X</i>				*		<i>X</i>					
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq 0.06</math></i>	<i>X</i>		*				<i>X</i>		<i>X</i>					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq 25</math></i>			*											
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq 10</math></i>			*											
<i>Color - PCU</i>		<i>S.V. <math>\leq 75</math></i>							*							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq 860^d</math></i> <i>96-hr Avg. <math>\leq 230</math></i>	<i>X</i>		*				<i>X</i>		<i>X</i>					
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>							*							
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq 20</math></i>			*						<i>X</i>					
E. coli - No./100 ml		A.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.*

**Sec. 6.** 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								
<i>Nitrate (as N) - mg/l</i>		<i>S.V. <math>\leq 10</math></i>	<i>X</i>		<i>X</i>			<i>*</i>		<i>X</i>						
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq 1.0</math></i>	<i>X</i>		<i>*</i>			<i>X</i>		<i>X</i>						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq 80</math></i>			*											
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq 50</math></i>			*											
<i>Color - PCU</i>		<i>S.V. <math>\leq 75</math></i>						<i>*</i>								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				<i>*</i>								
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq 860^d</math></i> <i>96-hr Avg. <math>\leq 230</math></i>	<i>X</i>		<i>*</i>			<i>X</i>		<i>X</i>						
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>						<i>*</i>								
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq 20</math></i>			<i>*</i>					<i>X</i>						
E. coli - No./100 ml		A.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.*

**Sec. 7.** 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	X				
Aquatic Life Species of Concern			<i>Trout.</i>													
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								
<i>Nitrate (as N) - mg/l</i>		<i>S.V. <math>\leq 10</math></i>	<i>X</i>		<i>X</i>				*		<i>X</i>					
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq 0.06</math></i>	<i>X</i>		*				X		X					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq 25</math></i>			*											
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq 10</math></i>			*											
<i>Color - PCU</i>		<i>S.V. <math>\leq 75</math></i>							*							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq 860^d</math></i> <i>96-hr Avg. <math>\leq 230</math></i>	<i>X</i>		*				X		X					
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>							*							
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq 20</math></i>			*						X					
E. coli - No./100 ml		A.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.*

**Sec. 8.** 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	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								
<i>Nitrate (as N) - mg/l</i>		<i>S.V. <math>\leq</math> 10</i>	<i>X</i>		<i>X</i>			*		<i>X</i>						
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq</math> 1.0</i>	<i>X</i>		*			<i>X</i>		<i>X</i>						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq</math> 80</i>			*											
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq</math> 50</i>			*											
<i>Color - PCU</i>		<i>S.V. <math>\leq</math> 75</i>						*								
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*								
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq</math> 860<sup>d</sup></i> <i>96-hr Avg. <math>\leq</math> 230</i>	<i>X</i>		*			<i>X</i>		<i>X</i>						
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq</math> 250</i>						*								
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq</math> 20</i>			*						<i>X</i>					
E. coli - No./100 ml		A.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.*

**Sec. 9.** 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			<i>Trout.</i>												
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							
<i>Nitrate (as N) - mg/l</i>		<i>S.V. <math>\leq 10</math></i>	<i>X</i>		<i>X</i>			*		<i>X</i>					
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq 0.06</math></i>	<i>X</i>		*			<i>X</i>		<i>X</i>					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*		X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq 25</math></i>			*										
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq 10</math></i>			*										
<i>Color - PCU</i>		<i>S.V. <math>\leq 75</math></i>						*							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq 860^d</math></i> <i>96-hr Avg. <math>\leq 230</math></i>	<i>X</i>		*			<i>X</i>		<i>X</i>					
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>						*							
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq 20</math></i>			*					<i>X</i>					
E. coli - No./100 ml		A.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.*

**Sec. 10.** 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 $\Delta T^b$ - °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								
<i>Nitrate (as N) - mg/l</i>		<i>S.V. <math>\leq 10</math></i>	<i>X</i>		<i>X</i>			<i>*</i>		<i>X</i>						
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq 1.0</math></i>	<i>X</i>		<i>*</i>			<i>X</i>		<i>X</i>						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq 80</math></i>			*											
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq 50</math></i>			*											
<i>Color - PCU</i>		<i>S.V. <math>\leq 75</math></i>						<i>*</i>								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				<i>*</i>								
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq 860^d</math></i> <i>96-hr Avg. <math>\leq 230</math></i>	<i>X</i>		<i>*</i>			<i>X</i>		<i>X</i>						
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>						<i>*</i>								
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq 20</math></i>			<i>*</i>						<i>X</i>					
E. coli - No./100 ml		A.G.M. $\leq 126$ S.V. $\leq 410$				<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.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.*

**Sec. 11.** 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	X					
Aquatic Life Species of Concern			<i>Trout.</i>														
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	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									
<i>Nitrate (as N) - mg/l</i>		<i>S.V. ≤ 10</i>	<i>X</i>		<i>X</i>			*		<i>X</i>							
<i>Nitrite (as N) - mg/l</i>		<i>S.V. ≤ 0.06</i>	<i>X</i>		*			<i>X</i>		<i>X</i>							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X									
<i>Total Suspended Solids - mg/l</i>		<i>S.V. ≤ 25</i>			*												
<i>Turbidity - NTU</i>		<i>S.V. ≤ 10</i>			*												
<i>Color - PCU</i>		<i>S.V. ≤ 75</i>						*									
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*									
<i>Chloride - mg/l</i>		<i>1-hr Avg. ≤ 860<sup>d</sup></i> <i>96-hr Avg. ≤ 230</i>	<i>X</i>		*			<i>X</i>		<i>X</i>							
<i>Sulfate - mg/l</i>		<i>S.V. ≤ 250</i>						*									
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. ≥ 20</i>			*						<i>X</i>						
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X										
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X							

\* = The most restrictive beneficial use.

X = Beneficial use.

<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.*

**Sec. 12.** 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. ≤ 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								
<i>Nitrate (as N) - mg/l</i>		<i>S.V. ≤ 10</i>	<i>X</i>		<i>X</i>			*		<i>X</i>						
<i>Nitrite (as N) - mg/l</i>		<i>S.V. ≤ 0.06</i>	<i>X</i>		*			<i>X</i>		<i>X</i>						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. ≤ 25</i>			*											
<i>Turbidity - NTU</i>		<i>S.V. ≤ 10</i>			*											
<i>Color - PCU</i>		<i>S.V. ≤ 75</i>						*								
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*								
<i>Chloride - mg/l</i>		<i>1-hr Avg. ≤ 860<sup>d</sup></i> <i>96-hr Avg. ≤ 230</i>	<i>X</i>		*			<i>X</i>		<i>X</i>						
<i>Sulfate - mg/l</i>		<i>S.V. ≤ 250</i>						*								
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. ≥ 20</i>			*					<i>X</i>						
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X									
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<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.*

**Sec. 13.** 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	X	X	X	X	X
Aquatic Life Species of Concern			<i>Trout.</i>													
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								
<i>Nitrate (as N) - mg/l</i>		<i>S.V. <math>\leq 10</math></i>	<i>X</i>		<i>X</i>			*		<i>X</i>						
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq 0.06</math></i>	<i>X</i>		*			X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq 25</math></i>			*											
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq 10</math></i>			*											
<i>Color - PCU</i>		<i>S.V. <math>\leq 75</math></i>						*								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq 860^d</math></i> <i>96-hr Avg. <math>\leq 230</math></i>	<i>X</i>		*			X		X						
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>						*								
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq 20</math></i>			*					X						
E. coli - No./100 ml		A.G.M. $\leq 126$ 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		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.*

**Sec. 14.** 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			<i>Trout.</i>												
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							
<i>Nitrate (as N) - mg/l</i>		<i>S.V. ≤ 10</i>	<i>X</i>		<i>X</i>			*		<i>X</i>					
<i>Nitrite (as N) - mg/l</i>		<i>S.V. ≤ 0.06</i>	<i>X</i>		*			<i>X</i>		<i>X</i>					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
<i>Total Suspended Solids - mg/l</i>		<i>S.V. ≤ 25</i>			*										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
<i>Turbidity - NTU</i>		<i>S.V. ≤ 10</i>			*										
<i>Color - PCU</i>		<i>S.V. ≤ 75</i>							*						
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X					*						
<i>Chloride - mg/l</i>		<i>1-hr Avg. ≤ 860<sup>d</sup> 96-hr Avg. ≤ 230</i>	X		*				X		X				
<i>Sulfate - mg/l</i>		<i>S.V. ≤ 250</i>							*						
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. ≥ 20</i>			*						X				
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X								
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*				X	X		X				

\* = The most restrictive beneficial use.

X = Beneficial use.

<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.*

**Sec. 15.** 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	X			
Aquatic Life Species of Concern			<i>Trout.</i>												
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	*				

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING 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. ≥ 6.0	X		*	X	X	X		X				
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X						
<i>Nitrate (as N) - mg/l</i>		<i>S.V. ≤ 10</i>	<i>X</i>		<i>X</i>				*		<i>X</i>			
<i>Nitrite (as N) - mg/l</i>		<i>S.V. ≤ 0.06</i>	<i>X</i>		*			<i>X</i>		<i>X</i>				
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X						
<i>Total Suspended Solids - mg/l</i>		<i>S.V. ≤ 25</i>			*									
<i>Turbidity - NTU</i>		<i>S.V. ≤ 10</i>			*									
<i>Color - PCU</i>		<i>S.V. ≤ 75</i>							*					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X					*					
<i>Chloride - mg/l</i>		<i>1-hr Avg. ≤ 860<sup>d</sup></i> <i>96-hr Avg. ≤ 230</i>	<i>X</i>		*				<i>X</i>		<i>X</i>			
<i>Sulfate - mg/l</i>		<i>S.V. ≤ 250</i>							*					
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. ≥ 20</i>			*						<i>X</i>			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X							
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X				

\* = The most restrictive beneficial use.

X = Beneficial use.

<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.*

**Sec. 16.** 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	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			
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					
<i>Nitrate (as N) - mg/l</i>		<i>S.V. <math>\leq 10</math></i>	<i>X</i>		<i>X</i>			<i>*</i>		<i>X</i>			
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq 0.06</math></i>	<i>X</i>		<i>*</i>			<i>X</i>		<i>X</i>			
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X					
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq 25</math></i>			*								
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq 10</math></i>			*								
<i>Color - PCU</i>		<i>S.V. <math>\leq 75</math></i>						<i>*</i>					
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*					
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq 860^d</math></i> <i>96-hr Avg. <math>\leq 230</math></i>	<i>X</i>		<i>*</i>			<i>X</i>		<i>X</i>			
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>						<i>*</i>					
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq 20</math></i>			<i>*</i>					<i>X</i>			
E. coli - No./100 ml		A.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.*

**Sec. 17.** 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	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			
Aquatic Life Species of Concern			<i>Trout.</i>										
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					
<i>Nitrate (as N) - mg/l</i>		<i>S.V. <math>\leq 10</math></i>	<i>X</i>		<i>X</i>			<i>*</i>		<i>X</i>			
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq 0.06</math></i>	<i>X</i>		<i>*</i>			<i>X</i>		<i>X</i>			
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X					
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq 25</math></i>			*								
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq 10</math></i>			*								
<i>Color - PCU</i>		<i>S.V. <math>\leq 75</math></i>						<i>*</i>					
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*					
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq 860^d</math></i> <i>96-hr Avg. <math>\leq 230</math></i>	<i>X</i>		<i>*</i>			<i>X</i>		<i>X</i>			
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>						<i>*</i>					
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq 20</math></i>			<i>*</i>					<i>X</i>			
E. coli - No./100 ml		A.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.*

**Sec. 18.** 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	X				
Aquatic Life Species of Concern			<i>Trout.</i>												
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							
<i>Nitrate (as N) - mg/l</i>		<i>S.V. <math>\leq 10</math></i>	<i>X</i>		<i>X</i>			*		<i>X</i>					
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq 0.06</math></i>	<i>X</i>		*			<i>X</i>		<i>X</i>					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq 25</math></i>			*										
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq 10</math></i>			*										
<i>Color - PCU</i>		<i>S.V. <math>\leq 75</math></i>						*							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq 860^d</math></i> <i>96-hr Avg. <math>\leq 230</math></i>	<i>X</i>		*			<i>X</i>		<i>X</i>					
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>						*							
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq 20</math></i>			*					<i>X</i>					
E. coli - No./100 ml		A.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.*

**Sec. 19.** 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								
<i>Nitrate (as N) - mg/l</i>		<i>S.V. ≤ 10</i>	<i>X</i>		<i>X</i>			<i>*</i>		<i>X</i>						
<i>Nitrite (as N) - mg/l</i>		<i>S.V. ≤ 0.06</i>	<i>X</i>		<i>*</i>			<i>X</i>		<i>X</i>						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. ≤ 25</i>			*											
<i>Turbidity - NTU</i>		<i>S.V. ≤ 10</i>			*											
<i>Color - PCU</i>		<i>S.V. ≤ 75</i>						<i>*</i>								
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				<i>*</i>								
<i>Chloride - mg/l</i>		<i>1-hr Avg. ≤ 860<sup>d</sup></i> <i>96-hr Avg. ≤ 230</i>	<i>X</i>		<i>*</i>			<i>X</i>		<i>X</i>						
<i>Sulfate - mg/l</i>		<i>S.V. ≤ 250</i>						<i>*</i>								
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. ≥ 20</i>			<i>*</i>						<i>X</i>					
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X									
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X						

\* = The most restrictive beneficial use.

X = Beneficial use.

<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.*

**Sec. 20.** 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					
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								
<i>Nitrate (as N) - mg/l</i>		<i>S.V. <math>\leq 10</math></i>	<i>X</i>		<i>X</i>			*		<i>X</i>						
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq 1.0</math></i>	<i>X</i>		*			X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq 80</math></i>			*											
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq 50</math></i>			*											
<i>Color - PCU</i>		<i>S.V. <math>\leq 75</math></i>						*								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq 860^d</math></i> <i>96-hr Avg. <math>\leq 230</math></i>	<i>X</i>		*			X		X						
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>						*								
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq 20</math></i>			*					X						
E. coli - No./100 ml		A.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.*

Sec. 21. 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			<i>Trout.</i>												
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							
<i>Nitrate (as N) - mg/l</i>		<i>S.V. <math>\leq 10</math></i>	<i>X</i>		<i>X</i>			*		<i>X</i>					
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq 0.06</math></i>	<i>X</i>		*			X		X					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq 25</math></i>			*										
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq 10</math></i>			*										
<i>Color - PCU</i>		<i>S.V. <math>\leq 75</math></i>						*							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*							
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq 860^d</math></i> <i>96-hr Avg. <math>\leq 230</math></i>	<i>X</i>		*			X		X					
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>						*							
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq 20</math></i>			*					X					
E. coli - No./100 ml		A.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.*

Sec. 22. 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			<i>Trout.</i>													
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								
<i>Nitrate (as N) - mg/l</i>		<i>S.V. <math>\leq 10</math></i>	<i>X</i>		<i>X</i>				*		<i>X</i>					
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq 0.06</math></i>	<i>X</i>		*				X		X					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq 25</math></i>			*											
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq 10</math></i>			*											
<i>Color - PCU</i>		<i>S.V. <math>\leq 75</math></i>							*							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq 860^d</math></i> <i>96-hr Avg. <math>\leq 230</math></i>	<i>X</i>		*				X		<i>X</i>					
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>							*							
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq 20</math></i>			*						<i>X</i>					
E. coli - No./100 ml		A.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.*

Sec. 23. 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	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								
<i>Nitrate (as N) - mg/l</i>		<i>S.V. <math>\leq 10</math></i>	<i>X</i>		<i>X</i>				*		<i>X</i>					
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq 0.06</math></i>	<i>X</i>		*				X		X					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq 25</math></i>			*											
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq 10</math></i>			*											
<i>Color - PCU</i>		<i>S.V. <math>\leq 75</math></i>							*							
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X					*							
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq 860^d</math></i> <i>96-hr Avg. <math>\leq 230</math></i>	<i>X</i>		*				X		X					
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>							*							
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq 20</math></i>			*						X					
E. coli - No./100 ml		A.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.*

**Sec. 24.** 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	X				
Aquatic Life Species of Concern			<i>Trout.</i>													
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								
<i>Nitrate (as N) - mg/l</i>		<i>S.V. <math>\leq 10</math></i>	<i>X</i>		<i>X</i>			*		<i>X</i>						
<i>Nitrite (as N) - mg/l</i>		<i>S.V. <math>\leq 0.06</math></i>	<i>X</i>		*			X		X						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. <math>\leq 25</math></i>			*											
<i>Turbidity - NTU</i>		<i>S.V. <math>\leq 10</math></i>			*											
<i>Color - PCU</i>		<i>S.V. <math>\leq 75</math></i>						*								
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*								
<i>Chloride - mg/l</i>		<i>1-hr Avg. <math>\leq 860^d</math></i> <i>96-hr Avg. <math>\leq 230</math></i>	<i>X</i>		*			X		X						
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>						*								
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. <math>\geq 20</math></i>			*					X						
E. coli - No./100 ml		A.G.M. $\leq 126$ 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		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.*

**Sec. 25.** 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			<i>Trout.</i>												
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	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							
<i>Nitrate (as N) - mg/l</i>		<i>S.V. ≤ 10</i>	<i>X</i>		<i>X</i>			*		<i>X</i>					
<i>Nitrite (as N) - mg/l</i>		<i>S.V. ≤ 0.06</i>	<i>X</i>		*			X		X					
Total Ammonia (as N) - mg/l		<sup>c</sup>			*			X							
<i>Total Suspended Solids - mg/l</i>		<i>S.V. ≤ 25</i>			*										
<i>Turbidity - NTU</i>		<i>S.V. ≤ 10</i>			*										
<i>Color - PCU</i>		<i>S.V. ≤ 75</i>						*							

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING 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					*						
<i>Chloride - mg/l</i>		<i>1-hr Avg. ≤ 860<sup>d</sup> 96-hr Avg. ≤ 230</i>	<i>X</i>		<i>*</i>				<i>X</i>		<i>X</i>				
<i>Sulfate - mg/l</i>		<i>S.V. ≤ 250</i>							<i>*</i>						
<i>Alkalinity (as CaCO<sub>3</sub>) - mg/l</i>		<i>S.V. ≥ 20</i>			<i>*</i>						<i>X</i>				
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410					*	X							
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*				X	X		X				

\* = The most restrictive beneficial use.

X = Beneficial use.

<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.*