

**PROPOSED PERMANENT REGULATION OF THE
NEVADA STATE ENVIRONMENTAL COMMISSION**

P2015-07

October 16, 2015

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 2015-07 Changes to the Nevada Administrative Code revising the Nevada water quality regulations for former “Class Waters” located in the Lower Humboldt River Basin

Proposed Revisions:

The proposed updates to the NAC are shown below with **deletions in red and strikeout** and **additions in blue**:

NAC 445A.1432 Humboldt Region: Designated beneficial uses. (NRS 445A.425, 445A.520)
The designated beneficial uses for select bodies of water within the Humboldt Region are prescribed in this section:

Water Body Name	Segment Description	Beneficial Uses											Aquatic 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	X				Warm-water fishery	445A.1436
Humboldt River at Palisade	From Osino to the Palisade Gage.	X	X	X	X	X	X	X	X	X				Warm-water fishery	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	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	445A.1444
Humboldt River at Imlay	From the Comus Gage to Imlay.	X	X	X	X	X	X	X	X	X				Warm-water fishery	445A.1446
Humboldt River	From Imlay to Woolsey.	X	X	X	X	X	X	X	X	X				Warm-water	445A.1448

Water Body Name	Segment Description	Beneficial Uses											Aquatic Species of Concern	Water Quality Standard NAC Reference		
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
at Woolsey															fishery	
Humboldt River at Rodgers Dam	From Woolsey to Rodgers Dam.	X	X	X	X	X	X	X	X	X						445A.1452
Humboldt River at the Humboldt Sink	From Rodgers Dam to the Humboldt Sink.	X	X	X	X	X			X	X						445A.1454
The Humboldt Sink	The entire sink.	X	X	X		X			X	X						445A.1455
Humboldt River, North Fork and tributaries at the national forest boundary	From their origin in the Independence Mountain Range to the national forest boundary.	X	X	X	X	X	X	X	X	X						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	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						445A.1462
Humboldt River, South Fork and tributaries at Lee	From their origin to Lee, except for the lengths of the river and tributaries within the exterior borders of the South Fork Indian Reservation.	X	X	X	X	X	X	X	X	X						445A.1464
Humboldt River, South Fork at the Humboldt River	From Lee to its confluence with the Humboldt River, except for the lengths of the river and tributaries within the exterior borders of the South Fork Indian Reservation.	X	X	X	X	X	X	X	X	X					Trout	445A.1466
Little Humboldt River	The entire length.	X	X	X	X	X	X	X	X	X						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>	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						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>	445A.1476

Water Body Name	Segment Description	Beneficial Uses											Aquatic Species of Concern	Water Quality Standard NAC Reference		
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
Denay Creek below Tonkin Reservoir	Below Tonkin Reservoir.	X	X	X	X	X	X	X	X	X						445A.1516
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>	445A.1518
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>	445A.1524
Willow Creek Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X	X					Trout	445A.1526
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>	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>	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>	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	445A.1536
Dutch John Creek	The entire length	X	X	X	X	X	X	X	X	X					<i>Trout</i>	445A.1538
Huntington Creek at the White Pine-Elko county line	From its origin to the White Pine-Elko county line.	X	X	X	X	X	X	X	X	X						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	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						445A.1546
Green Mountain Creek at Toyn Creek	From its origin to its confluence with Toyn Creek.	X	X	X	X	X	X	X	X	X						445A.1548
Toyn Creek at Green Mountain Creek	From its origin to its confluence with Green Mountain Creek.	X	X	X	X	X	X	X	X	X						445A.1554
Toyn Creek at Corral Creek	From its confluence with Green Mountain Creek to its confluence with Corral Creek.	X	X	X	X	X	X	X	X	X					Trout	445A.1555
Reese River at Indian Creek	From its origin to its confluence with Indian Creek, except for	X	X	X	X	X	X	X	X	X					<i>Trout</i>	445A.1556

Water Body Name	Segment Description	Beneficial Uses											Aquatic Species of Concern	Water Quality Standard NAC Reference	
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
	the length of the river within the exterior borders of the Yomba Indian Reservation.														

Water Body Name	Segment Description	Beneficial Uses											Aquatic 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).	X	X	X	X	X	X	X	X					Trout	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						445A.1562
San Juan Creek	From its origin to the national forest boundary.	X	X	X	X	X	X	X	X					<i>Trout</i>	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					<i>Trout</i>	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					Trout	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					<i>Trout</i>	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					<i>Trout</i>	445A.1574
Iowa Canyon Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X					Trout	445A.1576
Starr Creek	From the confluence of Ackler and Herder Creeks to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X					Trout	445A.1578
Irrigation	Irrigation														
Livestock	Watering of livestock														
Contact	Recreation involving contact with the water														

Noncontact	Recreation not involving contact with the water
Municipal	Municipal or domestic supply, or both
Wildlife	Propagation of Wildlife
Aquatic	Propagation of aquatic life
Aesthetic	Water of extraordinary ecological or aesthetic value
Enhance	Enhancement of water quality
Marsh	Maintenance of a freshwater marsh

NAC 445A.1452 Humboldt Region: Humboldt River at Rodgers Dam. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Humboldt River from Woolsey to Rodgers Dam. This segment of the Humboldt River is located in Pershing County.

**STANDARDS OF WATER QUALITY
Humboldt River at Rodgers Dam**

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern																
Temperature - °C ΔT ^b - °C		S.V. ≤ 34 ΔT ≤ 3			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.33			*	*	X	X								
<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. ≤ 1.0</i>	<i>X</i>		*			<i>X</i>		<i>X</i>						
Total Ammonia (as N) - mg/l		^c			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. ≤ 80</i>			*											
<i>Turbidity - NTU</i>		<i>S.V. ≤ 50</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^d</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 CaCO₃) - 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.

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

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

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

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

NAC 445A.1454 Humboldt Region: Humboldt River at the Humboldt Sink. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Humboldt River from Rodgers Dam to the Humboldt Sink. This segment of the Humboldt River is located in Churchill and Pershing Counties.

**STANDARDS OF WATER QUALITY
Humboldt River at the Humboldt Sink**

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Beneficial Uses			X	X	X	X	X		X	X				
Aquatic Life Species of Concern														
pH - SU		S.V. 6.0 - 9.0	X	X	*	*			X	*				
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*	X	X			X				
<i>Nitrite (as N) - mg/l</i>		<i>S.V. ≤ 1.0</i>	<i>X</i>		<i>*</i>					<i>X</i>				
Total Ammonia (as N) - mg/l		^c			*									
<i>Total Suspended Solids - mg/l</i>		<i>S.V. ≤ 80</i>			<i>*</i>									
<i>Turbidity - NTU</i>		<i>S.V. ≤ 50</i>			<i>*</i>									
<i>Chloride - mg/l</i>		<i>1-hr Avg. $\leq 860^d$</i> <i>96-hr Avg. ≤ 230</i>	<i>X</i>		<i>*</i>					<i>X</i>				
<i>Alkalinity (as CaCO₃) - mg/l</i>		<i>S.V. ≥ 20</i>			<i>*</i>					<i>X</i>				
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 576				*	X							

* = The most restrictive beneficial use.

X = Beneficial use.

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

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

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

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

NAC 445A.1468 Humboldt Region: Little Humboldt River. (NRS 445A.425, 445A.520)

The limits of this table apply to the entire body of water known as the Little Humboldt River. The Little Humboldt River is located in Humboldt County.

**STANDARDS OF WATER QUALITY
Little Humboldt River**

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	X	X	X	X	X				
Aquatic Life Species of Concern															
Temperature - °C ΔT ^b - °C		S.V. ≤ 34 ΔT ≤ 3			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.33			*	*	X	X							
<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. ≤ 1.0</i>	<i>X</i>		<i>*</i>			<i>X</i>		<i>X</i>					
Total Ammonia (as N) - mg/l		^c			*			X							
<i>Total Suspended Solids - mg/l</i>		<i>S.V. ≤ 80</i>			*										
<i>Turbidity - NTU</i>		<i>S.V. ≤ 50</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^d</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>Alkalinity (as CaCO₃) - 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.

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

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

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

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

NAC 445A.1472 Humboldt Region: Little Humboldt River, North Fork at the national forest boundary. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the North Fork of the Little Humboldt River from its origin to the national forest boundary. This segment of the North Fork of the Little Humboldt River is located in Humboldt County.

STANDARDS OF WATER QUALITY
Little Humboldt River, North Fork at the national forest boundary

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern			<i>Trout</i>													
Temperature - °C ΔT^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		^c			*			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. $\leq 860^d$</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 CaCO₃) - 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. $\leq 1,000$	X	*			X	X		X						

* = The most restrictive beneficial use.

X = Beneficial use.

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

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

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

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

NAC 445A.1474 Humboldt Region: Little Humboldt River, North Fork at the South Fork of the Little Humboldt River. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the North Fork of the Little Humboldt River from the national forest boundary to its confluence with the South Fork of the Little Humboldt River. This segment of the North Fork of the Little Humboldt River is located in Humboldt County.

STANDARDS OF WATER QUALITY

Little Humboldt River, North Fork at the South Fork of the Little Humboldt River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern																
Temperature - °C ΔT^b - °C		S.V. ≤ 24 $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X								
<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. ≤ 1.0</i>	<i>X</i>		<i>*</i>			<i>X</i>		<i>X</i>						
Total Ammonia (as N) - mg/l		^c			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. ≤ 80</i>			*											
<i>Turbidity - NTU</i>		<i>S.V. ≤ 50</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. $\leq 860^d$</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 CaCO₃) - 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. $\leq 1,000$	X	*				X	X		X					

* = The most restrictive beneficial use.

X = Beneficial use.

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

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

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

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

NAC 445A.1476 Humboldt Region: Little Humboldt River, South Fork at the Elko-Humboldt county line. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the South Fork of the Little Humboldt River from its origin to the Elko-Humboldt county line. This segment of the South Fork of the Little Humboldt River is located in Elko County.

STANDARDS OF WATER QUALITY
Little Humboldt River, South Fork at the Elko-Humboldt county line

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern			<i>Trout</i>													
Temperature - °C ΔT^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		^c			*			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. $\leq 860^d$</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 CaCO₃) - 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. $\leq 1,000$	X	*			X	X		X						

* = The most restrictive beneficial use.

X = Beneficial use.

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

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

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

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

NAC 445A.1478 Humboldt Region: Little Humboldt River, South Fork at the North Fork of the Little Humboldt River. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the South Fork of the Little Humboldt River from the Elko-Humboldt county line to its confluence with the North Fork of the Little Humboldt River. This segment of the South Fork of the Little Humboldt River is located in Humboldt County.

STANDARDS OF WATER QUALITY

Little Humboldt River, South Fork at the North Fork of the Little Humboldt River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern																
Temperature - °C ΔT^b - °C		S.V. ≤ 24 $\Delta T = 0$			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X								
<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. ≤ 1.0</i>	<i>X</i>		<i>*</i>			<i>X</i>		<i>X</i>						
Total Ammonia (as N) - mg/l		^c			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. ≤ 80</i>			<i>*</i>											
<i>Turbidity - NTU</i>		<i>S.V. ≤ 50</i>			<i>*</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. $\leq 860^d$</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 CaCO₃) - 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. $\leq 1,000$	X	*				X	X		X					

* = The most restrictive beneficial use.

X = Beneficial use.

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

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

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

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

NAC 445A.1518 Humboldt Region: Rock Creek at Squaw Valley Ranch. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Rock Creek from its origin to Squaw Valley Ranch. This segment of Rock Creek is located in Elko County.

**STANDARDS OF WATER QUALITY
Rock Creek at Squaw Valley Ranch**

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern			<i>Trout</i>													
Temperature - °C ΔT ^b - °C		S.V. ≤ 20 ΔT = 0			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X								
<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>*</i>			<i>X</i>		<i>X</i>						
Total Ammonia (as N) - mg/l		^c			*			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^d</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>Alkalinity (as CaCO₃) - 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.

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

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

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

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

NAC 445A.1522 Humboldt Region: Rock Creek below Squaw Valley Ranch. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Rock Creek below Squaw Valley Ranch. This segment of Rock Creek is located in Elko, Eureka and Lander Counties.

STANDARDS OF WATER QUALITY
Rock Creek below Squaw Valley Ranch

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern																
Temperature - °C ΔT ^b - °C		S.V. ≤ 34 ΔT ≤ 3			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.33			*	*	X	X								
<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. ≤ 1.0</i>	<i>X</i>		*			<i>X</i>		<i>X</i>						
Total Ammonia (as N) - mg/l		^c			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. ≤ 80</i>			*											
<i>Turbidity - NTU</i>		<i>S.V. ≤ 50</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^d</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 CaCO₃) - 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.

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

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

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

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

NAC 445A.1524 Humboldt Region: Willow Creek at Willow Creek Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Willow Creek from its origin to Willow Creek Reservoir. Willow Creek is located in Elko County.

**STANDARDS OF WATER QUALITY
Willow Creek at Willow Creek Reservoir**

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern			<i>Trout</i>													
Temperature - °C ΔT ^b - °C		S.V. ≤ 20 ΔT = 0			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X								
<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>*</i>			<i>X</i>		<i>X</i>						
Total Ammonia (as N) - mg/l		^c			*			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^d</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>Alkalinity (as CaCO₃) - 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.

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

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

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

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

NAC 445A.1526 Humboldt Region: Willow Creek Reservoir. (NRS 445A.425, 445A.520)
 The limits of this table apply to the entire body of water known as Willow Creek Reservoir.
 Willow Creek Reservoir is located in Elko County.

STANDARDS OF WATER QUALITY
Willow Creek Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	X	X	X	X	X				
Aquatic Life Species of Concern			Trout												
Temperature - °C ΔT ^b - °C		S.V. ≤ 20 ΔT = 0			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X							
<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		^c			*			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^d</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 CaCO₃) - 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.

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

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

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

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

NAC 445A.1528 Humboldt Region: Pole Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Pole Creek from its origin to the point of diversion of the Golconda water supply, near the north line of section 13, T. 35 N., R. 39 E., M.D.B. & M. Pole Creek is located in Humboldt County.

STANDARDS OF WATER QUALITY
Pole Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern			<i>Trout</i>													
Temperature - °C ΔT ^b - °C		S.V. ≤ 20 ΔT = 0			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X								
<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		^c			*			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^d</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 CaCO₃) - 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.

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

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

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

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

NAC 445A.1532 Humboldt Region: Water Canyon Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Water Canyon Creek from its origin to the point of diversion of the Winnemucca municipal water supply, near the west line of section 12, T. 35 N., R. 38 E., M.D.B. & M. Water Canyon Creek is located in Humboldt County.

STANDARDS OF WATER QUALITY
Water Canyon Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern			<i>Trout</i>													
Temperature - °C ΔT^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		^c			*			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. $\leq 860^d$</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 CaCO₃) - 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. $\leq 1,000$	X	*			X	X		X						

* = The most restrictive beneficial use.

X = Beneficial use.

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

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

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

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

NAC 445A.1534 Humboldt Region: Martin Creek at the national forest boundary. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Martin Creek from its origin to the national forest boundary. This segment of Martin Creek is located in Humboldt County.

STANDARDS OF WATER QUALITY
Martin Creek at the national forest boundary

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern			<i>Trout</i>													
Temperature - °C ΔT ^b - °C		S.V. ≤ 20 ΔT = 0			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X								
<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		^c			*			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^d</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 CaCO₃) - 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.

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

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

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

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

NAC 445A.1536 Humboldt Region: Martin Creek below the national forest boundary.
(NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Martin Creek from the national forest boundary to the first diversion in T. 42 N., R. 40 E., M.D.B. & M. This segment of Martin Creek is located in Humboldt County.

STANDARDS OF WATER QUALITY
Martin Creek below the national forest boundary

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern			Trout													
Temperature - °C ΔT ^b - °C		S.V. ≤ 20 ΔT = 0			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X								
<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		^c			*			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^d</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 CaCO₃) - 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.

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

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

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

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

NAC 445A.1538 Humboldt Region: Dutch John Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Dutch John Creek. Dutch John Creek is located in Humboldt County.

**STANDARDS OF WATER QUALITY
Dutch John Creek**

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern			<i>Trout</i>													
Temperature - °C ΔT ^b - °C		S.V. ≤ 20 ΔT = 0			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X								
<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>*</i>			<i>X</i>		<i>X</i>						
Total Ammonia (as N) - mg/l		^c			*			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^d</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>Alkalinity (as CaCO₃) - 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.

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

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

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

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

NAC 445A.1556 Humboldt Region: Reese River at Indian Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Reese River from its origin to its confluence with Indian Creek, except for the length of the river within the exterior borders of the Yomba Indian Reservation. This segment of the Reese River is located in Nye County.

STANDARDS OF WATER QUALITY
Reese River at Indian Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern			<i>Trout</i>													
Temperature - °C ΔT^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		^c			*			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. $\leq 860^d$</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 CaCO₃) - 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. $\leq 1,000$	X	*			X	X		X						

* = The most restrictive beneficial use.

X = Beneficial use.

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

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

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

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

NAC 445A.1558 Humboldt Region: Reese River at State Route 722. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Reese River from its confluence with Indian Creek to State Route 722 (old U.S. Highway 50), except for the length of the river within the exterior borders of the Yomba Indian Reservation. This segment of the Reese River is located in Lander and Nye Counties.

STANDARDS OF WATER QUALITY
Reese River at State Route 722

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern			Trout													
Temperature - °C ΔT^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>*</i>			<i>X</i>		<i>X</i>						
Total Ammonia (as N) - mg/l		^c			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. ≤ 25</i>			<i>*</i>											
<i>Turbidity - NTU</i>		<i>S.V. ≤ 10</i>			<i>*</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. $\leq 860^d$</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>Alkalinity (as CaCO₃) - 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. $\leq 1,000$	X	*				X	X		X					

* = The most restrictive beneficial use.

X = Beneficial use.

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

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

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

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

NAC 445A.1562 Humboldt Region: Reese River below State Route 722. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as the Reese River north of State Route 722 (old U.S. Highway 50). This segment of the Reese River is located in Lander County.

STANDARDS OF WATER QUALITY
Reese River below State Route 722

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern																
Temperature - °C ΔT ^b - °C		S.V. ≤ 34 ΔT ≤ 3			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.33			*	*	X	X								
<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. ≤ 1.0</i>	<i>X</i>		*			<i>X</i>		<i>X</i>						
Total Ammonia (as N) - mg/l		^c			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. ≤ 80</i>			*											
<i>Turbidity - NTU</i>		<i>S.V. ≤ 50</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^d</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 CaCO₃) - 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.

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

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

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

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

NAC 445A.1564 Humboldt Region: San Juan Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as San Juan Creek from its origin to the national forest boundary. San Juan Creek is located in Nye County.

**STANDARDS OF WATER QUALITY
San Juan Creek**

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	X	X	X	X	X				
Aquatic Life Species of Concern			<i>Trout</i>												
Temperature - °C ΔT ^b - °C		S.V. ≤ 20 ΔT = 0			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X					
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X							
<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>*</i>			<i>X</i>		<i>X</i>					
Total Ammonia (as N) - mg/l		^c			*			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^d</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>Alkalinity (as CaCO₃) - 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.

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

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

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

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

NAC 445A.1566 Humboldt Region: Big Creek at the forest service campground. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Big Creek from its origin to the east boundary of the United States Forest Service's Big Creek Campground. This segment of Big Creek is located in Lander County.

STANDARDS OF WATER QUALITY
Big Creek at the forest service campground

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern			<i>Trout</i>													
Temperature - °C ΔT ^b - °C		S.V. ≤ 20 ΔT = 0			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X								
<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		^c			*			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^d</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 CaCO₃) - 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.

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

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

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

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

NAC 445A.1568 Humboldt Region: Big Creek below the forest service campground. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Big Creek from the east boundary of the United States Forest Service's Big Creek Campground to the first diversion dam, near the west line of section 4, T. 17 N., R. 43 E., M.D.B. & M. This segment of Big Creek is located in Lander County.

STANDARDS OF WATER QUALITY
Big Creek below the forest service campground

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern			Trout													
Temperature - °C ΔT^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		^c			*			X								
<i>Total Suspended Solids - mg/l</i>		<i>S.V. ≤ 25</i>			<i>*</i>											
<i>Turbidity - NTU</i>		<i>S.V. ≤ 10</i>			<i>*</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. $\leq 860^d$</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 CaCO₃) - 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. $\leq 1,000$	X	*				X	X		X					

* = The most restrictive beneficial use.

X = Beneficial use.

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

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

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

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

NAC 445A.1572 Humboldt Region: Mill Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Mill Creek from its origin to the first point of diversion, near the south line of section 22, T. 29 N., R. 44 E., M.D.B. & M. Mill Creek is located in Lander County.

**STANDARDS OF WATER QUALITY
Mill Creek**

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern			<i>Trout</i>													
Temperature - °C ΔT ^b - °C		S.V. ≤ 20 ΔT = 0			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X								
<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		^c			*			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^d</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 CaCO₃) - 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.

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

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

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

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

NAC 445A.1574 Humboldt Region: Lewis Creek. (NRS 445A.425, 445A.520) The limits of this table apply to the body of water known as Lewis Creek from its origin to the first point of diversion, near the center of section 23, T. 30 N., R. 45 E., M.D.B. & M. Lewis Creek is located in Lander County.

STANDARDS OF WATER QUALITY
Lewis Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern			<i>Trout</i>													
Temperature - °C ΔT ^b - °C		S.V. ≤ 20 ΔT = 0			*	X										
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*						
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X						
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X								
<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		^c			*			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^d</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 CaCO₃) - 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.

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

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

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

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