ADOPTED REGULATION OF THE

STATE ENVIRONMENTAL COMMISSION

LCB File No. R130-15

Effective April 4, 2016

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				Warm-water fishery	NAC 445A.1438
Humboldt River at Battle Mountain	From the Palisade Gage to the Battle Mountain Gage.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1442
Humboldt River at State Highway 789	From the Battle Mountain Gage to where State Highway 789 crosses the Humboldt River.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1444
Humboldt River at Imlay	From the Comus Gage to Imlay.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1446
Humboldt River at Woolsey	From Imlay to Woolsey.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1448
Humboldt River at Rodgers Dam	From Woolsey to Rodgers Dam.	X	X	X	X	X	X	X	X					NAC 445A.1452
Humboldt River at the Humboldt Sink	From Rodgers Dam to the Humboldt Sink.	X	X	X	X	X		X	X					NAC 445A.1454
The Humboldt Sink	The entire sink.	X	X	X		X		X	X					NAC 445A.1455
Humboldt River, North Fork and tributaries at the national forest boundary	From their origin in the Independence Mountain Range to the national forest boundary.	X	X	X	X	X	X		X					NAC 445A.1456
Humboldt River, North Fork at Beaver Creek	From the national forest boundary to its confluence with Beaver Creek.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1458
Humboldt River, North Fork at the Humboldt River	From its confluence with Beaver Creek to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X					NAC 445A.1462
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				Trout	NAC 445A.1466
Little Humboldt River	The entire length.	X	X	X	X	X	X	X	X					NAC 445A.1468
Little Humboldt River, North Fork at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X	***X***	X				***Trout***	NAC 445A.1472
Little Humboldt River, North Fork at the South Fork of the Little Humboldt River	From the national forest boundary to its confluence with the South Fork of the Little Humboldt River.	X	X	X	X	X	X	X	X					NAC 445A.1474
Little Humboldt River, South Fork at the Elko-Humboldt county line	From its origin to the Elko-Humboldt county line.	X	X	X	X	X	X	***X***	X				***Trout***	NAC 445A.1476

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					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				***Trout***	NAC 445A.1518
Rock Creek below Squaw Valley Ranch	Below Squaw Valley Ranch.	X	X	X	X	X	X	X	X					NAC 445A.1522
Willow Creek at Willow Creek Reservoir	From its origin to Willow Creek Reservoir.	X	X	X	X	X	X	***X***	X				***Trout***	NAC 445A.1524
Willow Creek Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1526
North Antelope Creek	From its origin to its confluence with Antelope Creek.	X		X	X	X		X	X					NAC 445A.1527
Pole Creek	From its origin to the point of diversion of the Golconda water supply, near the north line of section 13, T. 35 N., R. 39 E., M.D.B. & M.	X	X	X	X	X	X	***X***	X				***Trout***	NAC 445A.1528
Water Canyon Creek	From its origin to the point of diversion of the Winnemucca municipal water supply, near the west line of section 12, T. 35 N., R. 38 E., M.D.B. & M.	X	X	X	X	X	X	***X***	X				***Trout***	NAC 445A.1532
Martin Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X	***X***	X				***Trout***	NAC 445A.1534
Martin Creek below the national forest boundary	From the national forest boundary to the first diversion in T. 42 N., R. 40 E., M.D.B. & M.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1536
Dutch John Creek	The entire length.	X	X	X	X	X	X	***X***	X				***Trout***	NAC 445A.1538
Huntington Creek at the White Pine-Elko county line	From its origin to the White Pine-Elko county line.	X	X	X	X	X	X		X					NAC 445A.1542
Huntington Creek at Smith Creek	From the White Pine-Elko county line to its confluence with Smith Creek.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1544
Huntington Creek at the South Fork of the Humboldt River	From its confluence with Smith Creek to its confluence with the South Fork of the Humboldt River.	X	X	X	X	X	X	X	X					NAC 445A.1546
Green Mountain Creek at 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				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				***Trout***	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				Trout	NAC 445A.1558
Reese River below State Route 722	North of State Route 722 (old U.S. Highway 50).	X	X	X	X	X	X	X	X					NAC 445A.1562
San Juan Creek	From its origin to the national forest boundary.	X	X	X	X	X	X	***X***	X				***Trout***	NAC 445A.1564
Big Creek at the forest service campground	From its origin to the east boundary of the United States Forest Service's Big Creek Campground.	X	X	X	X	X	X	***X***	X				***Trout***	NAC 445A.1566
Big Creek below the forest service campground	From the east boundary of the United States Forest Service's Big Creek Campground to the first diversion dam, near the west line of section 4, T. 17 N., R. 43 E., M.D.B. & M.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1568
Mill Creek	From its origin to the first point of diversion, near the south line of section 22, T. 29 N., R. 44 E., M.D.B. & M.	X	X	X	X	X	X	***X***	X				***Trout***	NAC 445A.1572
Lewis Creek	From its origin to the first point of diversion, near the center of section 23, T. 30 N., R. 45 E., M.D.B. & M.	X	X	X	X	X	X	***X***	X				***Trout***	NAC 445A.1574
Iowa Canyon Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1576
Starr Creek	From the confluence of Ackler and Herder Creeks to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1578

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

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V. ≤ 34 $\Delta T \leq 3$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.33			*	*	X	X					
Nitrate (as N) - mg/l		***S.V.≤ 10***	***X***		***X***			*****		***X***			
Nitrite (as N) - mg/l		***S.V.≤ 1.0***	***X***		*****			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V.≤ 80***			*****								
Turbidity - NTU		***S.V.≤ 50***			*****								
Color - PCU		***S.V.≤ 75***						*****					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg.≤ 860[d] 96-hr Avg.≤ 230***	***X***		*****			***X***		***X***			
Sulfate - mg/l		***S.V.≤ 250***						*****					
Alkalinity (as $CaCO_3$) - mg/l		***S.V.≥ 20***			*****					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

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

[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

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

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

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

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X		X	X			
Aquatic Life Species of Concern													
pH - SU		S.V. 6.0 - 9.0	X	X	*	X			X	*			
Dissolved Oxygen - mg/l		S.V. ≥ 3.0	X		*	X	X			X			
Nitrite (as N) - mg/l		***S.V.≤ 10***	***X***		*****					***X***			
Total Ammonia (as N) - mg/l		[b]			*								
Total Suspended Solids - mg/l		***S.V.≤ 80***			*****								
Turbidity - NTU		***S.V.≤ 50***			*****								
Chloride - mg/l		***1-hr Avg.≤ 860[c] 96-hr Avg.≤ 230***	***X***		*****					***X***			
Alkalinity (as $CaCO_3$) - mg/l		***S.V.≥ 20***			*****					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. 576				*	X						

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
[b] The ambient water quality criteria for ammonia are specified in NAC 445A.118.
[c] ***One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.***

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V. ≤ 34 ΔT ≤ 3			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.33			*	*	X	X					
Nitrate (as N) - mg/l		***S.V. ≤ 10***	***X***		***X***			*****		***X***			
Nitrite (as N) - mg/l		***S.V. ≤ 1.0***	***X***		*****			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V. ≤ 80***			*****								
Turbidity - NTU		***S.V. ≤ 50***			*****								
Color - PCU		***S.V. ≤ 75***						*****					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg. ≤ 860[d] 96-hr Avg. ≤ 230***	***X***		*****			***X***		***X***			
Sulfate - mg/l		***S.V. ≤ 250***						*****					
Alkalinity (as $CaCO_3$) - mg/l		***S.V. ≥ 20***			*****					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.
[d] One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	***X***	X			
Aquatic Life Species of Concern			***Trout.***										
Temperature - °C ΔT^b - °C		S.V. ≤ 20 ΔT = 0			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	***X***	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V. ≤ 10***	***X***		***X***			*		***X***			
Nitrite (as N) - mg/l		***S.V. ≤ 0.06***	***X***		*			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V. ≤ 25***			*								
Turbidity - NTU		***S.V. ≤ 10***			*								
Color - PCU		***S.V. ≤ 75***						*					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg. ≤ 860[d] 96-hr Avg. ≤ 230***	***X***		*			***X***		***X***			
Sulfate - mg/l		***S.V. ≤ 250***						*					
Alkalinity (as $CaCO_3$) - mg/l		***S.V. ≥ 20***			*					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.
[d] ***One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.***

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V. ≤ 24 ΔT = 0			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V. ≤ 10***	***X***		***X***			*****		***X***			
Nitrite (as N) - mg/l		***S.V. ≤ 1.0***	***X***		*****			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V. ≤ 80***			*****								
Turbidity - NTU		***S.V. ≤ 50***			*****								
Color - PCU		***S.V. ≤ 75***						*****					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg. ≤ 860[d]*** ***96-hr Avg. ≤ 230***	***X***		*****			***X***		***X***			
Sulfate - mg/l		***S.V. ≤ 250***						*****					
Alkalinity (as $CaCO_3$) - mg/l		***S.V. ≥ 20***			*****					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.
[d] One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	***X***	X			
Aquatic Life Species of Concern			***Trout.***										
Temperature - °C ΔT[b] - °C		S.V. ≤ 20 $\Delta T = 0$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	***X***	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V.≤ 10***	***X***		***X***			*		***X***			
Nitrite (as N) - mg/l		***S.V.≤ 0.06***	***X***		*			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V.≤ 25***			*								
Turbidity - NTU		***S.V.≤ 10***			*								
Color - PCU		***S.V.≤ 75***						*					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg.≤ 860[d] 96-hr Avg.≤ 230***	***X***		*			***X***		***X***			
Sulfate - mg/l		***S.V.≤ 250***						*					
Alkalinity (as $CaCO_3$) - mg/l		***S.V.≥ 20***			*					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

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

[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

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

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

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

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V. ≤ 24 $\Delta T = 0$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V.≤ 10***	***X***		***X***			*		***X***			
Nitrite (as N) - mg/l		***S.V.≤ 1.0***	***X***		*			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V.≤ 80***			*								
Turbidity - NTU		***S.V.≤ 50***			*								
Color - PCU		***S.V.≤ 75***						*					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg.≤ 860[d] 96-hr Avg.≤ 230***	***X***		*			***X***		***X***			
Sulfate - mg/l		***S.V.≤ 250***						*					
Alkalinity (as $CaCO_3$) - mg/l		***S.V.≥ 20***			*					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.
[d] ***One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.***

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	***X***	X			
Aquatic Life Species of Concern			***Trout.***										
Temperature - °C ΔT[b] - °C		S.V. ≤ 20 $\Delta T = 0$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	***X***	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V. ≤ 10***	***X***		***X***			*		***X***			
Nitrite (as N) - mg/l		***S.V. ≤ 0.06***	***X***		*			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V. ≤ 25***			*								
Turbidity - NTU		***S.V. ≤ 10***			*								
Color - PCU		***S.V. ≤ 75***						*					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg. ≤ 860[d] 96-hr Avg. ≤ 230***	***X***		*			***X***		***X***			
Sulfate - mg/l		***S.V. ≤ 250***						*					
Alkalinity (as $CaCO_3$) - mg/l		***S.V. ≥ 20***			*					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

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

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

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

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature °C ΔT[b] - °C		S.V. ≤ 34 $\Delta T \leq 3$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.33			*	*	X	X					
Nitrate (as N) - mg/l		***S.V.≤ 10***	***X***		***X***			*****		***X***			
Nitrite (as N) - mg/l		***S.V.≤ 1.0***	***X***		*****			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V.≤ 80***			*****								
Turbidity - NTU		***S.V.≤ 50***			*****								
Color - PCU		***S.V.≤ 75***						*****					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg.≤ 860[d] 96-hr Avg.≤ 230***	***X***		*****			***X***		***X***			
Sulfate - mg/l		***S.V.≤ 250***						*****					
Alkalinity (as $CaCO_3$) - mg/l		***S.V.≥ 20***			*****					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.
[d] ***One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.***

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	***X***	X			
Aquatic Life Species of Concern			***Trout.***										
Temperature - °C ΔT[b] - °C		S.V. ≤ 20 $\Delta T = 0$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	***X***	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V. ≤ 10***	***X***		***X***			*******		***X***			
Nitrite (as N) - mg/l		***S.V. ≤ 0.06***	***X***		*******			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V. ≤ 25***			*******								
Turbidity - NTU		***S.V. ≤ 10***			*******								
Color - PCU		***S.V. ≤ 75***						*******					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg. ≤ 860[d] 96-hr Avg. ≤ 230***	***X***		*******			***X***		***X***			
Sulfate - mg/l		***S.V. ≤ 250***						*******					
Alkalinity (as $CaCO_3$) - mg/l		***S.V. ≥ 20***			*******					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.
[d] One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT[b] - °C		S.V. ≤ 20 $\Delta T = 0$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V. ≤ 10***	***X***		***X***			*******		***X***			
Nitrite (as N) - mg/l		***S.V. ≤ 0.06***	***X***		*******			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V. ≤ 25***			*******								
Turbidity - NTU		***S.V. ≤ 10***			*******								
Color - PCU		***S.V. ≤ 75***						*******					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg. ≤ 860[d] 96-hr Avg. ≤ 230***	***X***		*******			***X***		***X***			
Sulfate - mg/l		***S.V. ≤ 250***						*******					
Alkalinity (as $CaCO_3$) - mg/l		***S.V. ≥ 20***			*******					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.
[d] One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	***X***	X			
Aquatic Life Species of Concern			***Trout.***										
Temperature - °C ΔT[b] - °C		S.V. ≤ 20 $\Delta T = 0$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	***X***	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V. ≤ 10***	***X***		***X***			*		***X***			
Nitrite (as N) - mg/l		***S.V. ≤ 0.06***	***X***		*			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V. ≤ 25***			*								
Turbidity - NTU		***S.V. ≤ 10***			*								
Color - PCU		***S.V. ≤ 75***						*					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg. ≤ 860[d] 96-hr Avg. ≤ 230***	***X***		*			***X***		***X***			
Sulfate - mg/l		***S.V. ≤ 250***						*					
Alkalinity (as $CaCO_3$) - mg/l		***S.V. ≥ 20***			*					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						

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

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.
[d] ***One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.***

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	***X***	X			
Aquatic Life Species of Concern			***Trout.***										
Temperature - °C ΔT[b] - °C		S.V. ≤ 20 $\Delta T = 0$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	***X***	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V. ≤ 10***	***X***		***X***			*****		***X***			
Nitrite (as N) - mg/l		***S.V. ≤ 0.06***	***X***		*****			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V. ≤ 25***			*****								

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Turbidity - NTU		***S.V.≤ 10***			*								
Color - PCU		***S.V.≤ 75***						*					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg.≤ 860[d] 96-hr Avg.≤ 230***	***X***		*			***X***		***X***			
Sulfate - mg/l		***S.V.≤ 250***						*					
Alkalinity (as $CaCO_3$) - mg/l		***S.V.≥ 20***			*					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.
[d] One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	***X***	X			
Aquatic Life Species of Concern			***Trout.***										
Temperature - °C ΔT[b] - °C		S.V. ≤ 20 $\Delta T = 0$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	***X***	*			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V.≤ 10***	***X***		***X***			*****		***X***			
Nitrite (as N) - mg/l		***S.V.≤ 0.06***	***X***		*****			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V.≤ 25***			*****								
Turbidity - NTU		***S.V.≤ 10***			*****								
Color - PCU		***S.V.≤ 75***						*****					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg.≤ 860[d]*** ***96-hr Avg.≤ 230***	***X***		*****			***X***		***X***			
Sulfate - mg/l		***S.V.≤ 250***						*****					
Alkalinity (as $CaCO_3$) - mg/l		***S.V.≥ 20***			*****					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.
[d] One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

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[a]

	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 ΔT^b - °C		S.V. ≤ 20 ΔT = 0			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V.≤ 10***	***X***		***X***			*****		***X***			
Nitrite (as N) - mg/l		***S.V.≤ 0.06***	***X***		*****			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V.≤ 25***			*****								
Turbidity - NTU		***S.V.≤ 10***			*****								
Color - PCU		***S.V.≤ 75***						*****					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg.≤ 860[d] 96-hr Avg.≤ 230***	***X***		*****			***X***		***X***			
Sulfate - mg/l		***S.V.≤ 250***						*****					
Alkalinity (as $CaCO_3$) - mg/l		***S.V.≥ 20***			*****					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.
[d] One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

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[a]

	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 ΔT^b - °C		S.V. ≤ 20 ΔT = 0			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	***X***	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V.≤ 10***	***X***		***X***			*		***X***			
Nitrite (as N) - mg/l		***S.V.≤ 0.06***	***X***		*			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V.≤ 25***			*								
Turbidity - NTU		***S.V.≤ 10***			*								
Color - PCU		***S.V.≤ 75***						*					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg.≤ 860[d] 96-hr Avg.≤ 230***	***X***		*			***X***		***X***			
Sulfate - mg/l		***S.V.≤ 250***						*					
Alkalinity (as $CaCO_3$) - mg/l		***S.V.≥ 20***			*					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.
[d] One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	***X***	X			
Aquatic Life Species of Concern			***Trout.***										
Temperature - °C ΔT[b] - °C		S.V. ≤ 20 $\Delta T = 0$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	***X***	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V. ≤ 10***	***X***		***X***			*		***X***			
Nitrite (as N) - mg/l		***S.V. ≤ 0.06***	***X***		*			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V. ≤ 25***			*								
Turbidity - NTU		***S.V. ≤ 10***			*								
Color - PCU		***S.V. ≤ 75***						*					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg. ≤ 860[d]*** ***96-hr Avg. ≤ 230***	***X***		*			***X***		***X***			
Sulfate - mg/l		***S.V. ≤ 250***						*					
Alkalinity (as $CaCO_3$) - mg/l		***S.V. ≥ 20***			*					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.
[d] One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V. ≤ 20 ΔT = 0			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V.≤ 10***	***X***		***X***			*****		***X***			
Nitrite (as N) - mg/l		***S.V.≤ 0.06***	***X***		*****			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V.≤ 25***			*****								
Turbidity - NTU		***S.V.≤ 10***			*****								
Color - PCU		***S.V.≤ 75***						*****					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg.≤ 860[d] 96-hr Avg.≤ 230***	***X***		*****			***X***		***X***			
Sulfate - mg/l		***S.V.≤ 250***						*****					
Alkalinity (as $CaCO_3$) - mg/l		***S.V.≥ 20***			*****					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

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

[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

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

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

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

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT[b] - °C		S.V. ≤ 34 $\Delta T \leq 3$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.33			*	*	X	X					
Nitrate (as N) - mg/l		***S.V.≤ 10***	***X***		***X***			*****		***X***			
Nitrite (as N) - mg/l		***S.V.≤ 1.0***	***X***		*****			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V.≤ 80***			*****								
Turbidity - NTU		***S.V.≤ 50***			*****								
Color - PCU		***S.V.≤ 75***						*****					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg.≤ 860[d] 96-hr Avg.≤ 230***	***X***		*****			***X***		***X***			
Sulfate - mg/l		***S.V.≤ 250***						*****					
Alkalinity (as $CaCO_3$) - mg/l		***S.V.≥ 20***			*****					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

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

[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

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

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

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

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	***X***	X			
Aquatic Life Species of Concern			***Trout.***										
Temperature - °C ΔT[b] - °C		S.V. ≤ 20 $\Delta T = 0$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	***X***	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V.≤ 10***	***X***		***X***			*		***X***			
Nitrite (as N) - mg/l		***S.V.≤ 0.06***	***X***		*			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V.≤ 25***			*								
Turbidity - NTU		***S.V.≤ 10***			*								
Color - PCU		***S.V.≤ 75***						*					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg.≤ 860[d] 96-hr Avg.≤ 230***	***X***		*			***X***		***X***			
Sulfate - mg/l		***S.V.≤ 250***						*					
Alkalinity (as $CaCO_3$) - mg/l		***S.V.≥ 20***			*					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.
[d] ***One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.***

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	***X***	X			
Aquatic Life Species of Concern			***Trout.***										
Temperature - °C ΔT[b] - °C		S.V. ≤ 20 $\Delta T = 0$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	***X***	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V. ≤ 10***	***X***		***X***			*		***X***			
Nitrite (as N) - mg/l		***S.V. ≤ 0.06***	***X***		*			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V. ≤ 25***			*								
Turbidity - NTU		***S.V. ≤ 10***			*								
Color - PCU		***S.V. ≤ 75***						*					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg. ≤ 860[d] 96-hr Avg. ≤ 230***	***X***		*			***X***		***X***			
Sulfate - mg/l		***S.V. ≤ 250***						*					
Alkalinity (as $CaCO_3$) - mg/l		***S.V. ≥ 20***			*					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

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

[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

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

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

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

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V. ≤ 20 ΔT = 0			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V.≤ 10***	***X***		***X***			*****		***X***			
Nitrite (as N) - mg/l		***S.V.≤ 0.06***	***X***		*****			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V.≤ 25***			*****								
Turbidity - NTU		***S.V.≤ 10***			*****								
Color - PCU		***S.V.≤ 75***						*****					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg.≤ 860[d] 96-hr Avg.≤ 230***	***X***		*****			***X***		***X***			
Sulfate - mg/l		***S.V.≤ 250***						*****					
Alkalinity (as $CaCO_3$) - mg/l		***S.V.≥ 20***			*****					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.
[d] One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	***X***	X			
Aquatic Life Species of Concern			***Trout.***										
Temperature - °C ΔT[b] - °C		S.V. ≤ 20 $\Delta T = 0$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	***X***	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V. ≤ 10***	***X***		***X***			*		***X***			
Nitrite (as N) - mg/l		***S.V. ≤ 0.06***	***X***		*			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V. ≤ 25***			*								
Turbidity - NTU		***S.V. ≤ 10***			*								
Color - PCU		***S.V. ≤ 75***						*					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg. ≤ 860[d] 96-hr Avg. ≤ 230***	***X***		*			***X***		***X***			
Sulfate - mg/l		***S.V. ≤ 250***						*					
Alkalinity (as $CaCO_3$) - mg/l		***S.V. ≥ 20***			*					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						

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

* = The most restrictive beneficial use.
X = Beneficial use.
[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
[b] Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.
[d] One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.

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[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	***X***	X			
Aquatic Life Species of Concern			***Trout.***										
Temperature - °C ΔT^{b} - °C		S.V. ≤ 20 ΔT = 0			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	***X***	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.10			*	*	X	X					
Nitrate (as N) - mg/l		***S.V.≤ 10***	***X***		***X***			*****		***X***			
Nitrite (as N) - mg/l		***S.V.≤ 0.06***	***X***		*****			***X***		***X***			
Total Ammonia (as N) - mg/l		[c]			*			X					
Total Suspended Solids - mg/l		***S.V.≤ 25***			*****								
Turbidity - NTU		***S.V.≤ 10***			*****								
Color - PCU		***S.V.≤ 75***						*****					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		***1-hr Avg.≤ 860[d] 96-hr Avg.≤ 230***	***X***		*****			***X***		***X***			
Sulfate - mg/l		***S.V.≤ 250***						*****					
Alkalinity (as $CaCO_3$) - mg/l		***S.V.≥ 20***			*****					***X***			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

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

[a] Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

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

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

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

Permanent Regulation – Informational Statement

A Regulation Relating to Water Quality Standards

Legislative Review of Adopted Regulations as Required
by Administrative Procedures Act, NRS 233B.066 & 233B.0603.10(f)

State Environmental Commission (SEC)
LCB File No: R130 -15

Regulation R130-15:

NDEP is proposing changes to the Nevada Administrative Code (NAC) revising the Nevada water quality regulations for the former "Class Waters" located in the Lower Humboldt River Basin. Revisions include the addition of numeric criteria for nitrate, nitrite, total suspended solids, turbidity, color, chloride, sulfate, and alkalinity based upon guidance published by the U.S. Environmental Protection Agency (EPA). These additions were deemed necessary to properly protect the beneficial uses.

1. Need for Regulation:

The Nevada Revised Statutes (NRS) 445A.520 require that standards be set at levels designed to protect beneficial uses for surface waters of the state. Nevada has been delegated authority to set water quality standards under the Clean Water Act and federal regulations (40CFR 131.20) require states to periodically review their water quality standards, and as appropriate, update those standards. A review of the available data, scientific literature and EPA guidance indicated that the proposed standards changes be made to protect the beneficial uses currently designated for these waters.

2. A description of how public comment was solicited, a summary of public response and an explanation of how other interested persons may obtain a copy of the summary.

On November 2 and November 3, 2015, NDEP conducted public workshops on NDEP's Draft Regulation. The workshops were held in Carson City and Winnemucca, Nevada. The meeting location in Carson City was at the Bryan Building located at 901 S. Stewart Street and the meeting in Winnemucca was at the Humboldt Public Library located at 85 East 5th Street.

Two (2) members of the public were present at the Carson City workshop. Those people were:
Allen Biaggi, Nevada Mining Association
Marvin Tebeau, Resource Concepts, Inc.

Six (6) member of the public were present at the Winnemucca workshop. Those people were:
Joe Beetler, Newmont Mining Corporation
Allen Biaggi, Nevada Mining Association

Marlene Brissenden, Humboldt County
Briony Coleman, Newmont Mining – Phoenix Mine
Rod Glimmann, Newmont Mining – Twin Creeks Mine
Sam Stine, Humboldt Sun

Questions included but were not limited to why additional constituents were added to previous Class Waters, specific beneficial uses, the 303(d) list and subsequent determinations of impaired waters and whether flow conditions are considered in the statistical evalutions.

There were no written comments.

Questions from the public presented at the workshop were addressed by NDEP staff; summary minutes of the workshop are posted on the SEC website at: http://sec.nv.gov/docs/0216/R130_15_Workshop_Minutes.pdf .

Following the workshop, the SEC held a formal regulatory hearing on February 10, 2016 at the Nevada Department of Conservation and Natural Resources, 901 South Stewart Street, Carson City, Nevada. A public notice and agenda for the regulatory meeting was posted at the meeting location, at the State Library in Carson City, at the Office of the Division of Environmental Protection in Las Vegas, at the Division of Minerals in Carson City, at the Department of Agriculture, on the LCB website, on the Division of Administration website and on the SEC website.

Copies of the agenda, the public notice, and the proposed permanent regulation R130-15 were also made available at all public libraries throughout the state as well as to individuals on the SEC mailing list and the Bureau of Water Quality Planning electronic mailing list.

The public notice for the proposed regulation was published in the Las Vegas Review Journal and Reno Gazette Journal newspapers once a week for three consecutive weeks prior to the SEC regulatory meeting. Other information about this regulation was made available on the SEC website at: http://sec.nv.gov/main/hearing_0216.htm .

3. The number of persons who attended the SEC Regulatory Hearing:

(a) Attended February 10, 2016 hearing: 5 (approximately)
(b) Testified on this Petition at the hearing: 1
(c) Submitted to the agency written comments: 0

The only person who testified at the hearing testified in support of the regulatory changes:

Allen Biaggi
Nevada Mining Association
201 W. Liberty Street, Suite 300
(775) 829-2121
https://www.nevadamining.org/contactus/

4. A description of how comment was solicited from affected businesses, a summary of their response, and an explanation of how other interested persons may obtain a copy of the summary.

Comments were solicited from affected businesses through e-mail, a public workshop and at the February 10, 2016 SEC hearing as noted in number 2 above.

5. If the regulation was adopted without changing any part of the proposed regulation, a summary of the reasons for adopting the regulation without change.

The regulation was adopted without changes because no comments were received by NDEP and the testimony provided at the hearing was in favor of the regulatory changes.

6. The estimated economic effect of the adopted regulation on the business which it is to regulate and on the public.

(a) Regulated Business/Industry. The proposed revisions are not expected to have any direct economic effect on the regulated community both immediately and long term. Water quality standards in and of themselves do not directly regulate businesses, although standards do form the basis for effluent limits imposed by NDEP through the National Pollutant Discharge Elimination System (NPDES) permit program and the terms and conditions imposed through the Clean Water Act 401 program for any dredging or filling activity in Nevada waters. There are no current NPDES permits associated with small businesses for any of the waters affected by this regulation.

(b) Public. The proposed revisions are expected to have some beneficial economic effect on the public both immediately and long-term. Overall, the current water quality standards have beneficial effects in terms of protecting public health and welfare and supporting aquatic, wildlife, and recreational uses. All of these factors provide economic benefits to the public. The proposed changes will provide additional protection of the beneficial uses, thereby improving the level of public benefit.

7. The estimated cost to the agency for enforcement of the adopted regulation.

Implementation of the proposed regulations is not expected to result in additional cost to the agency for enforcement.

8. A description of any regulations of other state or government agencies which the proposed regulation overlaps or duplicates and a statement explaining why the duplication or overlapping is necessary. If the regulation overlaps or duplicates a federal regulation, the name of the regulating federal agency.

There are no other state or government agency regulations which the proposed revisions duplicate.

9. If the regulation includes provisions which are more stringent than a federal regulation, which regulates the same activity, a summary of such provisions.

There is no federal regulation for these proposed water quality standards revisions. The federal government has delegated responsibility for establishing water quality standards to NDEP. Setting the proposed water quality standards at levels to protect beneficial uses of surface waters of the State enables NDEP to maintain its delegation of the Clean Water Act.

10. If the regulation provides a new fee or increases an existing fee, the total annual amount the agency expects to collect and the manner in which the money will be used.

The regulation does not address fees.