ADOPTED REGULATION OF THE

STATE ENVIRONMENTAL COMMISSION

LCB File No. R102-14

Effective October 24, 2014

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

AUTHORITY: §§1-28, NRS 445A.425 and 445A.520.

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

Legislative Counsel's Digest:

The State Environmental Commission is required 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.520) **Section 1** of this regulation revises the descriptions of certain segments of Green Mountain Creek and Toyn Creek. **Sections 2-28** of this regulation revise various water quality standards for the Humboldt Region, including standards relating to nitrates, chlorides, sulfates, alkalinity, turbidity, color and suspended solids.

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***	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

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, 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***	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					NAC 445A.1472

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, 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					NAC 445A.1476
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***	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***	X					NAC 445A.1486

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		
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***	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***	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

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		
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***	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***	X					NAC 445A.1512
Tonkin Reservoir	The entire reservoir.	X	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
Rock Creek at Squaw Valley Ranch	From its origin to Squaw Valley Ranch.	X	X	X	X	X	X		X					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					NAC 445A.1524

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		
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					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					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					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					NAC 445A.1538

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		
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					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.]~~ ***Toyn Creek***	From its origin to ~~[the national forest boundary.]~~ ***its confluence with Toyn Creek.***	X	X	X	X	X	X	***X***	X					NAC 445A.1548
~~[Green Mountain Creek]~~ ***Toyn Creek*** at Corral Creek	From ~~[the national forest boundary]~~ ***its confluence with Green Mountain Creek*** to its confluence with Corral Creek.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1552
Toyn Creek ***at Green Mountain Creek***	From its origin to ~~[the national forest boundary.]~~ ***its confluence with Green Mountain Creek.***	X	X	X	X	X	X	***X***	X					NAC 445A.1554

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 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					NAC 445A.1556
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					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					NAC 445A.1566

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		
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					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					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													

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		
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.1456 is hereby amended to read as follows:

445A.1456 The limits of this table apply to the bodies of water known as the North Fork of the Humboldt River and its tributaries in the Independence Mountain Range from their origin to the national forest boundary. This segment of the North Fork of the Humboldt River and tributaries is located in Elko County.

STANDARDS OF WATER QUALITY

Humboldt River, North Fork and tributaries at the national forest boundary

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh

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. ≤ 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***						*					

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
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.1458 is hereby amended to read as follows:

445A.1458 The limits of this table apply to the body of water known as the North Fork of the Humboldt River from the national forest boundary to its confluence with Beaver Creek. This segment of the North Fork of the Humboldt River is located in Elko County.

STANDARDS OF WATER QUALITY

Humboldt River, North Fork at Beaver Creek

PARAMETER	REQUIREMENTS	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 $\Delta T = 0$			*	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***			

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
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. 4. NAC 445A.1462 is hereby amended to read as follows:

445A.1462 The limits of this table apply to the body of water known as the North Fork of the Humboldt River from its confluence with Beaver Creek to its confluence with the Humboldt River. This segment of the North Fork of the Humboldt River is located in Elko County.

STANDARDS OF WATER QUALITY

Humboldt River, North Fork at the Humboldt River

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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Entrance	Marsh
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***			

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
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.1464 is hereby amended to read as follows:

445A.1464 The limits of this table apply to the bodies of water known as the South Fork of the Humboldt River and its tributaries 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. This segment of the South Fork of the Humboldt River and tributaries is located in Elko County.

STANDARDS OF WATER QUALITY

Humboldt River, South Fork and tributaries at Lee

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

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. ≤ 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***						*					

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
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.1466 is hereby amended to read as follows:

445A.1466 The limits of this table apply to the body of water known as the South Fork of the Humboldt River from 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. This segment of the South Fork of the Humboldt River is located in Elko County.

STANDARDS OF WATER QUALITY

Humboldt River, South Fork at the Humboldt River

PARAMETER	REQUIREMENTS	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***			

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
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.1482 is hereby amended to read as follows:

445A.1482 The limits of this table apply to the body of water known as Marys River from its origin to the point where the River crosses the east line of T. 42 N., R. 59 E., M.D.B. & M. This segment of Marys River is located in Elko County.

STANDARDS OF WATER QUALITY

Marys River, upper

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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Aquatic Life Species of Concern													
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***			

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
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.1484 is hereby amended to read as follows:

445A.1484 The limits of this table apply to the body of water known as Marys River from the east line of T. 42 N., R. 59 E., M.D.B. & M., to its confluence with the Humboldt River. This segment of Marys River is located in Elko County.

STANDARDS OF WATER QUALITY

Marys River at the Humboldt River

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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
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***			

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
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.1486 is hereby amended to read as follows:

445A.1486 The limits of this table apply to the body of water known as Tabor Creek from its origin to the east line of T. 40 N., R. 60 E., M.D.B. & M. Tabor Creek is located in Elko County.

STANDARDS OF WATER QUALITY

Tabor Creek

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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Aquatic Life Species of Concern													
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***			

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
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.1488 is hereby amended to read as follows:

445A.1488 The limits of this table apply to the bodies of water known as the Maggie Creek Tributaries from their origin to the point where they become Maggie Creek or the point of their confluence with Maggie Creek. The Maggie Creek Tributaries are located in Elko County.

STANDARDS OF WATER QUALITY

Maggie Creek Tributaries

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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Aquatic Life Species of Concern													
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***			

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
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.1492 is hereby amended to read as follows:

445A.1492 The limits of this table apply to the body of water known as Maggie Creek from where it is formed by the Maggie Creek Tributaries to its confluence with Jack Creek. This segment of Maggie Creek is located in Elko and Eureka Counties.

STANDARDS OF WATER QUALITY

Maggie Creek at Jack Creek

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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
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***			

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
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.1494 is hereby amended to read as follows:

445A.1494 The limits of this table apply to the body of water known as Maggie Creek from its confluence with Jack Creek to its confluence with Soap Creek. This segment of Maggie Creek is located in Eureka County.

STANDARDS OF WATER QUALITY

Maggie Creek at Soap Creek

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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance Marsh	
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V. ≤ 20 $\Delta T \leq 3$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.33			*	*	X	X					
Nitrate (as N) - mg/l		***S.V. ≤ 10***	***X***		***X***			*****		***X***			
Nitrite (as N) - mg/l		***S.V. ≤ 0.06***	***X***		*****			***X***		***X***			
Total Ammonia (as N) - mg/l		[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***			

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
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.1496 is hereby amended to read as follows:

445A.1496 The limits of this table apply to the body of water known as Maggie Creek from its confluence with Soap Creek to its confluence with the Humboldt River. This segment of Maggie Creek is located in Elko and Eureka Counties.

STANDARDS OF WATER QUALITY

Maggie Creek at the Humboldt River

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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
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***			

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
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. 14. NAC 445A.1498 is hereby amended to read as follows:

445A.1498 The limits of this table apply to the body of water known as Secret Creek from its origin to the national forest boundary. This segment of Secret Creek is located in Elko County.

STANDARDS OF WATER QUALITY

Secret Creek at the national forest boundary

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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Aquatic Life Species of Concern													
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***			

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
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 concentration limits may be exceeded only once every 3 years.***

Sec. 15. NAC 445A.1502 is hereby amended to read as follows:

445A.1502 The limits of this table apply to the body of water known as Secret Creek from the national forest boundary to its confluence with the Humboldt River. This segment of Secret Creek is located in Elko County.

STANDARDS OF WATER QUALITY

Secret Creek at the Humboldt River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[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.										

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
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***			

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
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 concentration limits may be exceeded only once every 3 years.***

Sec. 16. NAC 445A.1504 is hereby amended to read as follows:

445A.1504 The limits of this table apply to the body of water known as Lamoille Creek from its origin to gaging station number 10-316500, located in the NE 1/4 of section 6, T. 32 N., R. 58 E., M.D.B. & M. This segment of Lamoille Creek is located in Elko County.

STANDARDS OF WATER QUALITY

Lamoille Creek at the gaging station

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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Aquatic Life Species of Concern													
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***			

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
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 concentration limits may be exceeded only once every 3 years.***

Sec. 17. NAC 445A.1506 is hereby amended to read as follows:

445A.1506 The limits of this table apply to the body of water known as Lamoille Creek from gaging station number 10-316500, located in the NE 1/4 of section 6, T. 32 N., R. 58 E., M.D.B. & M., to its confluence with the Humboldt River. This segment of Lamoille Creek is located in Elko County.

STANDARDS OF WATER QUALITY

Lamoille Creek at the Humboldt River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh

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***						*					

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
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.1508 is hereby amended to read as follows:

445A.1508 The limits of this table apply to the entire body of water known as J.D. Ponds. J.D. Ponds is located in Eureka County.

STANDARDS OF WATER QUALITY

J.D. Ponds

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh

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***						*****					

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
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.1512 is hereby amended to read as follows:

445A.1512 The limits of this table apply to the body of water known as Denay Creek from its origin to Tonkin Reservoir. This segment of Denay Creek is located in Eureka County.

STANDARDS OF WATER QUALITY

Denay Creek at Tonkin Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh

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. ≤ 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***						*					

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
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.1514 is hereby amended to read as follows:

445A.1514 The limits of this table apply to the entire body of water known as Tonkin Reservoir. Tonkin Reservoir is located in Eureka County.

STANDARDS OF WATER QUALITY

Tonkin Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh

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. ≤ 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. ≤ 0.025			*	*	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***						*					

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
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.1516 is hereby amended to read as follows:

445A.1516 The limits of this table apply to the body of water known as Denay Creek below Tonkin Reservoir. This segment of Denay Creek is located in Eureka County.

STANDARDS OF WATER QUALITY

Denay Creek below Tonkin Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh

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***						*****					

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
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.1542 is hereby amended to read as follows:

445A.1542 The limits of this table apply to the body of water known as Huntington Creek from its origin to the White Pine-Elko county line. This segment of Huntington Creek is located in White Pine County.

STANDARDS OF WATER QUALITY

Huntington Creek at the White Pine-Elko county line

PARAMETER	REQUIREMENTS	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													
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***			

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
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.1544 is hereby amended to read as follows:

445A.1544 The limits of this table apply to the body of water known as Huntington Creek from the White Pine-Elko county line to its confluence with Smith Creek. This segment of Huntington Creek is located in Elko County.

STANDARDS OF WATER QUALITY

Huntington Creek at Smith Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[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***						*****					

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
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.1546 is hereby amended to read as follows:

445A.1546 The limits of this table apply to the body of water known as Huntington Creek from its confluence with Smith Creek to its confluence with the South Fork of the Humboldt River. This segment of Huntington Creek is located in Elko County.

STANDARDS OF WATER QUALITY

Huntington Creek at the South Fork of the Humboldt River

PARAMETER	REQUIREMENTS	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													
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***			

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
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. 25. NAC 445A.1548 is hereby amended to read as follows:

445A.1548 The limits of this table apply to the body of water known as Green Mountain Creek from its origin to ~~[the national forest boundary. This segment of]~~ ***its confluence with Toyn Creek.*** Green Mountain Creek is located in Elko County.

STANDARDS OF WATER QUALITY

Green Mountain Creek at ~~[the national forest boundary]~~ ***Toyn 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			

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
Aquatic Life Species of Concern													
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***			

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
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. 26. NAC 445A.1552 is hereby amended to read as follows:

445A.1552 The limits of this table apply to the body of water known as ~~[Green Mountain]~~ ***Toyn*** Creek from ~~[the national forest boundary]~~ ***its confluence with Green Mountain Creek*** to its confluence with Corral Creek. This segment of ~~[Green Mountain]~~ ***Toyn*** Creek is located in Elko County.

STANDARDS OF WATER QUALITY

~~[Green Mountain]~~ ***Toyn*** Creek at Corral 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***						*****					

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
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. 27. NAC 445A.1554 is hereby amended to read as follows:

445A.1554 The limits of this table apply to the body of water known as Toyn Creek from its origin to ~~[the national forest boundary.]~~ ***its confluence with Green Mountain Creek. This segment of*** Toyn Creek is located in Elko County.

STANDARDS OF WATER QUALITY

Toyn Creek ***at Green Mountain Creek***

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[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. ≤ 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***						*					

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
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. 28. NAC 445A.1578 is hereby amended to read as follows:

445A.1578 The limits of this table apply to the body of water known as Starr Creek from the confluence of Ackler and Herder Creeks to the Humboldt River. Starr Creek is located in Elko County.

STANDARDS OF WATER QUALITY

Starr Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use[a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh

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***						*					

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
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: R102-14

Regulation R102-14:

On October 8, 2014, the SEC adopted a regulation modification related to the NDEP Bureau of Water Quality. The proposed regulation amends the water quality regulations for the former "Class Waters" located in the Upper 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 designated beneficial uses.

1. Need for Regulation:

State law (NRS 445A.520) requires 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 May 19 and May 21, 2014, NDEP conducted public workshops on LCB's Proposed Draft Regulation R102-14. The workshops were held in Carson City and Elko. The meeting location in Carson City was at the Bryan Building located at 901 S. Stewart Street (Tahoe Conference Room) and the meeting in Elko was at the County library, located at 720 Court Street.

One (2) members of the public commented at the workshop. Those people were:

Randy Brown, Elko County
Glen Guttry, Elko County Commissioner

Both questions were related to EPA's pending rule regarding Waters of the United States.

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/main/hearing_1014.htm .

Following the workshop, the SEC held a formal regulatory hearing on October 8, 2014 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 Division of Wildlife, 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 R102-14 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_1014.htm .

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

(a) Attended October 8, 2014 hearing: 16 (approximately)
(b) Testified on this Petition at the hearing: 0
(c) Submitted to the agency written comments: 1

The name of the person who submitted written comments was not present at the hearing:
Paul Bottari
Elko County Association of Realtors
557 West Silver St. Suite 201B, Elko, NV 89801
(775) 738-2395
paul@bottarirealty.com

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 October 8, 2014 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 as the SEC determined that the comment received did not necessitate a change (see Number 2 above).

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 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. Currently, there is only one active NPDES permit for a discharge to any of the waters addressed in this proposal. Newmont Mining Corporation's Gold Quarry Mine has an NPDES permit to discharge mine dewatering water to Maggie Creek. A review of the available water quality data for Gold Quarry Mine indicates that the discharge is meeting the proposed additional water quality criteria.

(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, 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.

As the changes are primarily cleanup, there will be no additional cost to the Agency.

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.

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

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.