#### PROPOSED REGULATION OF THE

#### STATE ENVIRONMENTAL COMMISSION

#### LCB File No. R102-14

August 4, 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:

					В	enet	ficia	l Us	es				Aquatic Life	Water Quality
Water Body Name	Segment Description					ct							Species of	Standard NAC
		vestock	irrigation	Aquatic	ontact	Noncontact	Municipal	Industrial	ıldlite	Aesthetic	Enhance	Marsh	Concern	Reference
		Ė	Ħ	ΑC	3	ĕ	M	Щ	≥	Α€	ᄗ	M		
Humboldt River near	From the upstream source												Warm-water	
	of the main stem to Osino.	X	X	X	X	X	X	X	X				fishery	NAC 445A.1436

					В	enet	icia	l Us	es				Aquatic Life	Water Quality
Water Body Name	Segment Description	cK	on	0	1	ntact	pal	ıal	ə	tic	e.		Species of	Standard NAC
		Livestock	ırrıgatıon	Aquatic	Contact	Noncontact	Municipal	Industrial	wildlife	Aesthetic	Enhance	Marsh	Concern	Reference
Humboldt River at	From Osino to the	Х	Х	Х	X	Х	X	X	X				Warm-water	NAC 445A.1438
Palisade	Palisade Gage.												fishery	
Humboldt River at	From the Palisade Gage to	Х	Х	Х	X	Х	Х	Х	X				Warm-water	NAC 445A.1442
Battle Mountain	the Battle Mountain Gage.	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ				fishery	NAC 443A.1442
	From the Battle Mountain													
Humboldt River at	Gage to where State	X	X	X	X	X	X	X	X				Warm-water	NAC 445A.1444
State Highway 789	Highway 789 crosses the	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ				fishery	NAC 443A.1444
	Humboldt River.													
Humboldt River at	From the Comus Gage to	X	X	X	X	X	X	Х	X				Warm-water	NAC 445A.1446
Imlay	Imlay.	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ				fishery	NAC 443A.1440
Humboldt River at	From Indon to Woolson	X	v	X	X	X	v	X	X				Warm-water	NIA C 445 A 1440
Woolsey	From Imlay to Woolsey.	Λ	X	Λ	Λ	Λ	X	Λ	Λ				fishery	NAC 445A.1448
Humboldt River at	From Woolsey to Rodgers	X	Х	Х	X	Х	Х	Х	X					NAC 445A.1452
Rodgers Dam	Dam.	11	11	11	11	11	11	21	21					1,110 11311.1132
Humboldt River at	From Rodgers Dam to the	Х	Х	Х	X	Х		Х	X					NAC 445A.1454
the Humboldt Sink	Humboldt Sink.	11	11	11	71	11		21	21					
The Humboldt Sink	The entire sink.	X	X	X		X		X	X					NAC 445A.1455
Humboldt River,	From their origin in the													
North Fork and	Independence Mountain													
tributaries at the		X	X	X	X	X	X	X	X					NAC 445A.1456
national forest	Range to the national													
boundary	forest boundary.													
Humboldt River,	From the national forest													
North Fork at Beaver	boundary to its confluence	X	X	X	X	X	X	X	X				Trout	NAC 445A.1458
Creek	with Beaver Creek.													

					В	enet	icia	l Us	es				Aquatic Life	Water Quality
Water Body Name	Segment Description	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	Species of Concern	Standard NAC Reference
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

					В	enet	icia	l Us	es				Aquatic Life	Water Quality
Water Body Name	Segment Description	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	Species of Concern	Standard NAC Reference
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
	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

					В	enet	icia	l Us	es				Aquatic Life	Water Quality
Water Body Name	Segment Description	Livestock	ırrıgation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	Species of Concern	Standard NAC Reference
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	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

					В	enet	îcia	l Us	es				Aquatic Life	Water Quality
Water Body Name	Segment Description	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	Species of Concern	Standard NAC Reference
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	Х	Х	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

					В	enet	icia	l Us	es				Aquatic Life	Water Quality
Water Body Name	Segment Description	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	Species of Concern	Standard NAC Reference
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

					В	enet	ficia	l Us	es				Aquatic Life	Water Quality
Water Body Name	Segment Description	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	Species of Concern	Standard NAC Reference
Huntington Creek at	From its origin to the													
the White Pine-Elko	White Pine-Elko county	X	X	X	X	X	X	X	X					NAC 445A.1542
county line	line.													
	From the White Pine-Elko													
Huntington Creek at	county line to its	X	X	X	X	X	X	X	X				Trout	NAC 445A.1544
Smith Creek	confluence with Smith	Λ	Λ	Λ	Λ	Λ	Λ	Λ	Λ				Tiout	NAC 443A.1344
	Creek.													
	From its confluence with													
Huntington Creek at	Smith Creek to its													
the South Fork of the	confluence with the South	X	X	X	X	X	X	X	X					NAC 445A.1546
Humboldt River	Fork of the Humboldt													
	River.													
Green Mountain	From its origin to [the													
Creek at [the national	national forest boundary.]	X	37	X	37	37	v	W	v					NA C 445 A 1540
forest boundary]	its confluence with Toyn	X	X	X	X	X	X	X	X					NAC 445A.1548
Toyn Creek	Creek.													
	From [the national forest													
<del>[Green Mountain</del>	boundary] its confluence													
Creek] Toyn Creek at	with Green Mountain	X	X	X	X	X	X	X	X				Trout	NAC 445A.1552
Corral Creek	Creek to its confluence													
	with Corral Creek.													
	From its origin to [the													
Toyn Creek at Green	national forest boundary.]	3,7	3,	3,	3,	3,	,,		3.7					N. C. 445. 155.
Mountain Creek	its confluence with Green	X	X	X	X	X	X	X	X					NAC 445A.1554
	Mountain Creek.													
													L	

					В	enet	icia	l Us	es				Aquatic Life	Water Quality
Water Body Name	Segment Description	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsn	Species of Concern	Standard NAC Reference
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	Х	Х	Х					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

					В	ene	ficia	l Us	es				Aquatic Life	Water Quality
Water Body Name	Segment Description	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	Species of Concern	Standard NAC Reference
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						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.	Х	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.1570
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													

	Beneficial Uses  Aquatic Life Water Quality														
Water Body Name	Segment Description Species of Standard NAC														
	Concern Reference Marsh Municipal Mu														
Livestock	Watering of livestock														
Contact	reation 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

	REQUIREMENTS					]	Bene	eficia	ıl Us	se <sup>a</sup>			
		WATER QUALITY		,				,	,		,		
PARAMETER	TO MAINTAIN	STANDARDS FOR											
TAKAMETEK	EXISTING HIGHER		V	_			ıct	_	L				
		BENEFICIAL USES	1001	1101	JC	ct	onts	sipa	ma	ıţe	etic	ıce	_
	QUALITY		ivestock	rrigation	vquatic	ontact	Voncontact	Aunicipal	ndustrial	ıldlite	esthetic	nhance	Marsh
			$\Gamma$	Ш	Αα	$\supset$	Ň	M	Ιľ	A	Ą	Eī	M

		WATER QUALITY				E	sene	ficia	l Us	eª			
PARAMETER	TO MAINTAIN	STANDARDS FOR					÷.						
	EXISTING HIGHER  QUALITY	BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlite	Aesthetic	Enhance	Marsh
Beneficial Uses	1		X	X	X	X		X		X	7		
Aquatic Life Species of	f Concern			I	l		l			I		1	
Temperature - °C		S.V. ≤ 20			*	X							
ΔT <sup>b</sup> - °C		$\Delta T = 0$				Λ							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		S.V.≥ 6.0	X		*	X	X	X		X			
mg/l		2002											
Total Phosphorus		S.V. ≤ 0.10			*	*	X	X					
(as P) - mg/l													
Nitrate (as N) - mg/l		S.V. ≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		<i>S.V.</i> ≤ <i>0.06</i>	X		*			X		X			
Total Ammonia		c			*			X					
(as N) - mg/l													
Total Suspended		<i>S.V.</i> ≤ 25			*								
Solids - mg/l													
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU		<i>S.V.</i> ≤ 75						*					
		$S.V. \le 500$ or the 95th											
Total Dissolved		percentile	X	X				*					
Solids - mg/l		(whichever is		_									
		less).											
Chloride - mg/l		1-hr Avg.≤ 860 <sup>4</sup> 96-hr Avg.≤ 230	X		*			X		X			
Sulfate - mg/l		90-HF AVg. ≤ 250 S.V. ≤ 250						*					

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	ıl Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN  EXISTING HIGHER  QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Alkalinity (as CaCO <sub>3</sub> ) - 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			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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 <sup>a</sup>

	TO MAINTAIN	STANDARDS FOR											
	EXISTING HIGHER  QUALITY	BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	E X	X	_	_	Σ X	X X	<b>≥</b> X	Ä	<u> </u>	M
Aquatic Life Species of	of Concern		Tro	ut.									
Temperature - °C		S.V.≤20											
ΔT <sup>b</sup> - °C		$\Delta T = 0$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		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		<i>S.V.</i> ≤ <i>10</i>	X		X			*		X			
Nitrite (as N) - mg/l		<i>S.V.</i> ≤ <i>0.06</i>	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 S.V. ≤ 500 or the 95th						*					
Total Dissolved Solids - mg/l		percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860 <sup>d</sup> 96-hr Avg.≤ 230	X		*			X		X			
Sulfate - mg/l		S. V. ≤ 250						*					
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V.≥ 20			*					X			

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	se <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER	STANDARDS FOR BENEFICIAL USES	tock	thon	tic	act	Noncontact	cıpal	trial	lite	ietic	nce	h
	QUALITY		Livestock	Irrigation	Aquatic	Contact	Nonc	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
E. coli - No./100 ml		A.G.M. ≤ 126				*	X						
		S.V. ≤ 410											
Fecal Coliform -		S.V. ≤ 1,000	X	*			X	X		X			
No./100 ml													

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS	WATER QUALITY				В	enef	ĭcia	l Us	se <sup>a</sup>				
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY		Livestock	ırrıgatıon	Aquatic	Contact	Noncontact	Municipai	ındustriai	wildlife	Aesmenc	Ennance	Marsh	
Beneficial Uses			X	X	X	X	X	X	X	X				

	REQUIREMENTS	WATER QUALITY				В	enef	icia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	LIVESTOCK	ırrıgation	Aquanc	Contact	Noncontact	viunicipai	ındustriai	wildlife	Aesmenc	Ennance	Marsh
Aquatic Life Species of	of Concern				,	<u> </u>							
Temperature - °C		S.V. ≤ 24			*	X							
ΔT <sup>b</sup> - °C		$\Delta T = 0$				Λ							
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		с			*			X					
Total Suspended Solids - mg/l		S.V. ≤ 80			*								
Turbidity - NTU		S. V. ≤ 50			*								
Color - PCU		<i>S.V.</i> ≤ 75						*					
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤ 860 <sup>d</sup> 96-hr Avg.≤ 230	X		*			X		X			
Sulfate - mg/l		S.V.≤250						*					
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V.≥ 20			*					X			

	REQUIREMENTS	WATER QUALITY				В	ene	ficia	l Us	se <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER	STANDARDS FOR BENEFICIAL USES	СК	on	0	t.	ıtacı	paı	ıaı	ย	ПС	e,	
	QUALITY		Livestock	ппвапоп	Aquanc	Contact	noncontact	ıvıunıcıpaı	ındustriai	wildlife	Aestnetic	Ennance	Marsh
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. \( \le 1,000	X	*			X	X		X			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS	WATER QUALITY	Beneficial Use <sup>a</sup>
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR	Livestock Irrigation Aquatic Contact Noncontact Municipal Industrial Wildlife Aesthetic Enhance Marsh

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR		Irrigation				Municipal			Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of	of Concern			I	I	I	1			I		I	
Temperature - °C		$S.V. \leq 20$			*	v							
ΔT <sup>b</sup> - °C		$\Delta T = 0$			•	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		<i>S.V.</i> ≤ 75						*					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th  percentile  (whichever is less).	X	X				*					
Chloride - mg/l		$1-hr Avg. \le 860^d$ $96-hr Avg. \le 230$	X		*			X		X			
Sulfate - mg/l		S. V. ≤ 250						*					

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlite	Aesthetic	Enhance	Marsh
Alkalinity (as CaCO <sub>3</sub> ) - 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			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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 <sup>a</sup>

	TO MAINTAIN	STANDARDS FOR											
	EXISTING HIGHER	BENEFICIAL USES	X	ų.			tact	al	al		၁	0	
	QUALITY		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X Y	රි X		Ź X		≨ X	Α€	En	M
Aquatic Life Species o	of Concern		Tro										
	of Concern		110	uı.					1				
Temperature - °C		$S.V. \leq 20$			*	X							
ΔT <sup>b</sup> - °C		$\Delta T = 0$											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		S.V.≥ 6.0	X		*	X	X	X		X			
mg/l		S. V. ≥ 0.0	^			Λ	Λ	Λ		Λ			
Total Phosphorus		S.V. < 0.10			*	*	X	X					
(as P) - mg/l		$S.V. \le 0.10$			·		Λ	Λ					
Nitrate (as N) - mg/l		<i>S.V.</i> ≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		S. V. ≤ 0.06	X		*			X		X			
Total Ammonia		c			*			X					
(as N) - mg/l								Λ					
Total Suspended		S. V. ≤ 25			*								
Solids - mg/l		5.7. ≤ 25											
Turbidity – NTU		<i>S.V.</i> ≤ <i>10</i>			*								
Color – PCU		<i>S.V.</i> ≤ 75						*					
		$S.V. \le 500$ or the 95th											
Total Dissolved		percentile	37	37				*					
Solids - mg/l		(whichever is	X	X				*					
		less).											
		1-hr Avg. ≤ 860 <sup>d</sup>											
Chloride - mg/l		96-hr Avg. ≤ 230	X		*			X		X			
Sulfate - mg/l		S. V. ≤ 250						*					
Alkalinity		S.V.≥ 20			*					X			
(as CaCO <sub>3</sub> ) - mg/l		S. F. ≤ 2U								<b>A</b>			

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	ontact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	rsh
E. coli - No./100 ml	QOLLITT	A.G.M. ≤ 126 S.V. ≤ 410	LIV	girri	Aqu	*	X	Mm	ıpur	WII	Aes	Enh	Marsh
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	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			

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlite	Aesthetic	Enhance	Marsh
Aquatic Life Species of	of Concern												
Temperature - °C		$S.V. \leq 20$			*	X							
ΔT <sup>b</sup> - °C		$\Delta T = 0$				Λ							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		S.V.≥ 6.0	X		*	X	X	X		X			
mg/l		5. v. <u>~</u> 0.0	<i>A</i>			21	1	71		21			
Total Phosphorus		$S.V. \leq 0.10$			*	*	X	Х					
(as P) - mg/l  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		$S.V. \le 75$ S.V. $\le 500$ or the 95th						*					
Total Dissolved Solids - mg/l		percentile (whichever is less).	X	X				*					,
Chloride - mg/l		$1-hr\ Avg. \le 860^d$ $96-hr\ Avg. \le 230$	X		*			X		X			
Sulfate - mg/l		S. V. ≤ 250						*					
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V. ≥ 20			*					X			

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	ontact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410	I		1	*	X	I .		1	f .		I
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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 TO MAINTAIN  EXISTING HIGHER  QUALITY  Beneficial Uses  WATER QUALITY  STANDARDS FOR  BENEFICIAL USES  X X X X X X X X X X X X X X X X X X X		REQUIREMENTS					E	Bene	ficia	l Us	e <sup>a</sup>			
Beneficial Uses X X X X X X X X X X X X X X X X X X	PARAMETER	EXISTING HIGHER	STANDARDS FOR	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
	Beneficial Uses			X	X	X	X	X	X	X	X			

	REQUIREMENTS	WATER QUALITY				I	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR			Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Aquatic Life Species of	of Concern		Tro	ut.									
Temperature - °C		S.V.≤20			*	X							
ΔT <sup>b</sup> - °C		$\Delta T = 0$				71							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		S.V.≥ 6.0	X		*	X	X	X		X			
mg/l		5.11_0.0	11			11		7.1		11			
Total Phosphorus		S.V. ≤ 0.10			*	*	X	X					
(as P) - mg/l		<u>-</u>											
Nitrate (as N) - mg/l		S.V. ≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		$S.V. \leq 0.06$	X		*			X		X			
Total Ammonia		c			*			X					
(as N) - mg/l													
Total Suspended		S.V. ≤ 25			*								
Solids - mg/l													
Turbidity – NTU		S.V. ≤ 10			*								
Color – PCU		<i>S.V.</i> ≤ 75						*					
		$S.V. \le 500$ or the											
Total Dissolved		95th percentile	X	X				*					
Solids - mg/l		(whichever is											
		less).											
Chloride - mg/l		1-hr Avg. ≤ 860 <sup>d</sup>	X		*			X		X			
		96-hr Avg. ≤ 230											
Sulfate - mg/l		S.V. ≤ 250						*					
Alkalinity		S.V. ≥ 20			*					X			
(as CaCO <sub>3</sub> ) - mg/l													

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	ontact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410	I		7	*	X	J	I		J		I
Fecal Coliform - No./100 ml		S.V. \(\le 1,000\)	X	*			X	X		X			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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**

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	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			

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Aquatic Life Species of	of Concern												
Temperature - °C		S.V.≤20			*	X							
ΔT <sup>b</sup> - °C		$\Delta T = 0$				71							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		S.V.≥6.0	X		*	X	X	Х		Х			
mg/l		5. V. <u>~</u> 0.0	Λ			74	71	1		Λ			
Total Phosphorus		S.V.≤0.10			*	*	X	Х					
(as P) - mg/l		21.1.2											
Nitrate (as N) - mg/l		S.V. ≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		<i>S.V.</i> ≤ <i>0.06</i>	X		*			X		X			
Total Ammonia		c			*			X					
(as N) - mg/l													
Total Suspended		S.V. ≤ 25			*								
Solids - mg/l													
Turbidity - NTU		<i>S.V.</i> ≤ <i>10</i>			*								
Color - PCU		<i>S.V.</i> ≤ 75						*					
		$S.V. \le 500$ or the 95th											
Total Dissolved		percentile	X	X				*					
Solids - mg/l		(whichever is	11	71									
		less).											
Chloride - mg/l		<i>1-hr Avg. ≤ 860</i> <sup>d</sup>	X		*			X		X			
<b>9</b>		96-hr Avg.≤ 230											
Sulfate - mg/l		S. V. ≤ 250						*					
Alkalinity		S.V.≥ 20			*					X			
(as CaCO <sub>3</sub> ) - mg/l													

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN  EXISTING HIGHER  QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	ontact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410	7	П	A	*	X	N	П	>	A	Ħ	N
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	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			

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Aquatic Life Species of	of Concern												
Temperature - °C		S.V.≤20			*	X							
ΔT <sup>b</sup> - °C		$\Delta T = 0$				Λ							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		S.V.≥ 6.0	X		*	Х	Х	X		Х			
mg/l		5. v . ≥ 0.0	Λ			Λ	Λ	Λ		Λ			
Total Phosphorus		S.V. ≤ 0.10			*	*	X	X					
(as P) - mg/l		5. V. <u>~</u> 0.10					1	1					
Nitrate (as N) - mg/l		<i>S.V.</i> ≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		$S.V. \leq 0.06$	X		*			X		X			
Total Ammonia		c			*			Х					
(as N) - mg/l													
Total Suspended		S.V. ≤ 25			*								
Solids - mg/l		2002											
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU		<i>S.V.</i> ≤ 75						*					
		$S.V. \le 500$ or the											
Total Dissolved		95th percentile	X	X				*					
Solids - mg/l		(whichever is	Λ	Λ									
		less).											
Chloride - mg/l		<i>1-hr Avg.≤860</i> <sup>d</sup>	X		*			X		X			
Chieffet mg/1		96-hr Avg.≤230	21					21		21			
Sulfate - mg/l		S.V.≤250						*					
Alkalinity		S.V.≥20			*					X			
(as CaCO <sub>3</sub> ) - mg/l		_ :											

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	ontact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410		1	V	*	X	N	П	>	d	Щ	N
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS	WATER QUALITY				Е	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	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			

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR			Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Aquatic Life Species of	of Concern		Tro	ut.									
Temperature - °C		S.V.≤20			*	X							
ΔT <sup>b</sup> - °C		$\Delta T = 0$				1							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		S.V.≥ 6.0	Х		*	X	X	X		Х			
mg/l		5.11 0.0											
Total Phosphorus		S.V. ≤ 0.10			*	*	X	X					
(as P) - mg/l													
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		c			*			X					
(as N) - mg/l													
Total Suspended		S.V. ≤ 25			*								
Solids - mg/l													
Turbidity - NTU		<i>S.V.</i> ≤ <i>10</i>			*								
Color - PCU		<i>S.V.</i> ≤ 75						*					
		S.V. $\leq$ 500 or the 95th											
Total Dissolved		percentile	X	X				*					
Solids - mg/l		(whichever is											
		less).											
Chloride - mg/l		<i>1-hr Avg.</i> ≤ <i>860</i> <sup>d</sup>	X		*			X		X			
		96-hr Avg.≤ 230											
Sulfate - mg/l		S.V.≤250						*					
Alkalinity		S.V.≥ 20			*					X			
(as CaCO <sub>3</sub> ) - mg/l													

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	ontact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410		7	J	*	X	N		_	J		N
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS	WATER QUALITY				Е	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	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			

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR			Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Aquatic Life Species of	of Concern		Tro	ut.									
Temperature - °C		$S.V. \leq 20$			*	X							
ΔT <sup>b</sup> - °C		$\Delta T \leq 3$				Λ							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		S.V.≥ 6.0	X		*	X	X	X		X			
mg/l		5. v.≥ 0.0	Λ			Λ	Λ	Λ		Λ			
Total Phosphorus		S.V.≤0.33			*	*	X	X					
(as P) - mg/l													
Nitrate (as N) - mg/l		S.V. ≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		<i>S.V.</i> ≤ <i>0.06</i>	X		*			X		X			
Total Ammonia		c			*			X					
(as N) - mg/l													
Total Suspended		S.V. ≤ 25			*								
Solids - mg/l		20.022											
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU		<i>S.V.</i> ≤ 75						*					
		$S.V. \le 500$ or the 95th											
Total Dissolved		percentile	X	X				*					
Solids - mg/l		(whichever is											
		less).											
Chloride - mg/l		1-hr Avg.≤860 <sup>d</sup>	X		*			X		X			
		96-hr Avg.≤230											
Sulfate - mg/l		S. V. ≤ 250						*					
Alkalinity		S.V.≥20			*					X			
(as CaCO <sub>3</sub> ) - mg/l		_											

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	ontact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410	I		1	*	X	I .		1	f .		I
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	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			

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Aquatic Life Species of	of Concern												
Temperature - °C		S.V. ≤ 34			*	X							
ΔT <sup>b</sup> - °C		$\Delta T \le 3$				Λ							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		S.V.≥ 5.0	X		*	X	X	X		X			
mg/l		5. v. <u>~</u> 5.0	Λ			Λ	Λ	Λ		Λ			
Total Phosphorus		S.V.≤0.33			*	*	X	X					
(as P) - mg/l													
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		c			*			Х					
(as N) - mg/l													
Total Suspended		S.V.≤80			*								
Solids - mg/l													
Turbidity - NTU		S. V. ≤ 50			*								
Color - PCU		<i>S.V.</i> ≤ 75						*					
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg.≤860 <sup>d</sup> 96-hr Avg.≤230	X		*			X		X			
Sulfate - mg/l		S. V. ≤ 250						*					
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V.≥ 20			*					X			

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	ontact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410	I		1	*	X	I .		1	f .		I
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS	WATER QUALITY				Е	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	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			

PARAMETER	REQUIREMENTS  TO MAINTAIN  EXISTING HIGHER  QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Aquatic Life Species of	of Concern													
Temperature - °C		S.V.≤20			*	X								
ΔT <sup>b</sup> - °C		$\Delta T = 0$				71								
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*				
Dissolved Oxygen -		S.V.≥ 6.0	X		*	X	X	X		X				
mg/l		3. v.≥ 0.0	Λ			Λ	Λ	Λ		Λ				
Total Phosphorus		S.V. \( \le 0.10			*	*	X	X						
(as P) - mg/l		5.7 0.10					71	1						
Nitrate (as N) - mg/l		S.V. ≤ 10	X		X			*		X				
Nitrite (as N) - mg/l		<i>S.V.</i> ≤ <i>0.06</i>	X		*			X		X				
Total Ammonia		c			*			X						
(as N) - mg/l														
Total Suspended		S.V. ≤ 25			*									
Solids - mg/l		20,72												
Turbidity - NTU		S.V. ≤ 10			*									
Color - PCU		<i>S.V.</i> ≤ 75						*						
		$S.V. \le 500$ or the 95th												
Total Dissolved		percentile	X	X				*						
Solids - mg/l		(whichever is	Λ	Λ										
		less).												
Chloride - mg/l		$1-hr\ Avg. \le 860^d$	X		*			X		X				
		96-hr Avg. ≤ 230						71		71				
Sulfate - mg/l		S.V. ≤ 250						*						
Alkalinity		S.V.≥ 20			*					X				
(as CaCO <sub>3</sub> ) - mg/l		~												

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN  EXISTING HIGHER	STANDARDS FOR BENEFICIAL USES	Livestock	ation	atic	act	Noncontact	Municipal	strial	lite	netic	nce	lh
	QUALITY		Live	Irrigation	Aquatic	Contact	Non	Mun	Industrial	Wildlife	Aesthetic	Enhance	Marsh
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		$S.V. \le 1,000$	X	*			X	X		X			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS	WATER QUALITY			I	Bene	eficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			XX	X	X	X	X	X	X			
Aquatic Life Species of	f Concern		Trout.	·		·		·		·		

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR	Jivestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C		$S.V. \leq 20$			*	X					7		
$\Delta T^b$ - °C		$\Delta T = 0$				Λ							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		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		<i>S.V.</i> ≤ <i>0.06</i>	X		*			X		X			
Total Ammonia		c			*			X					
(as N) - mg/l								Λ					
Total Suspended Solids - mg/l		S.V. ≤ 25			*								
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU		<i>S.V.</i> ≤ 75						*					
Total Dissolved Solids - mg/l		S.V. ≤ 500 or the 95th  percentile  (whichever is less).	X	X				*					
Chloride - mg/l		$1-hr\ Avg. \le 860^d$ $96-hr\ Avg. \le 230$	X		*			X		X			
Sulfate - mg/l		S.V. ≤ 250						*					
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V.≥ 20			*					X			

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN  EXISTING HIGHER  QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	ontact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410	I		J	*	X	N	Т	1	J		N
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	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			

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	se <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Aquatic Life Species of	Concern												
Temperature - °C		$S.V. \leq 20$			*	X							
ΔT <sup>b</sup> - °C		$\Delta T = 0$				Λ							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		S.V.≥ 6.0	X		*	X	X	X		X			
mg/l		3. v.≥ 0.0	Λ			Λ	Λ	Λ		A			
Total Phosphorus		S.V.≤0.10			*	*	X	X					
(as P) - mg/l													
Nitrate (as N) - mg/l		S.V. ≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		<i>S.V.</i> ≤ <i>0.06</i>	X		*			X		X			
Total Ammonia		c			*			X					
(as N) - mg/l								71					
Total Suspended		S.V. ≤ 25			*								
Solids - mg/l		21.72_20											
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU		<i>S.V.</i> ≤ 75						*					
Total Dissolved Solids		S.V. ≤ 500 or the 95th percentile (whichever is	X	Х				*					
		less).											
Chloride - mg/l		$1-hr\ Avg. \le 860^d$ $96-hr\ Avg. \le 230$	X		*			X		X			
Sulfate - mg/l		S.V. ≤ 250						*					
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		<i>S.V.</i> ≥ 20			*					X			

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN  EXISTING HIGHER  QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	atic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	sh
E. coli - No./100 ml	QUALITY	A.G.M. ≤ 126 S.V. ≤ 410	Live	Irrig	Aquatic	* Con	uo <sub>N</sub>	UMMI Wantu	npuI	W1lc	Aest	Enha	Marsh
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS	WATER QUALITY	Beneficial Use <sup>a</sup>
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock Irrigation Aquatic Contact Noncontact Municipal Industrial Wildlife Aesthetic Enhance

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER	STANDARDS FOR	×				act	ll.					
	QUALITY	BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlite	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X		X		X			
Aquatic Life Species of	f Concern			l	I	I	1	1		<u> </u>		<u>I</u>	
Temperature - °C		S.V. ≤ 24			*	X							
ΔT <sup>b</sup> - °C		$\Delta T = 0$				Λ							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		S.V.≥ 5.0	X		*	X	X	X		X			
mg/l		50.0											
Total Phosphorus		S.V.≤ 0.10			*	*	X	X					
(as P) - mg/l		5.7 0.10											
Nitrate (as N) - mg/l		S.V.≤10	X		X			*		X			
Nitrite (as N) - mg/l		<i>S.V.</i> ≤ <i>1.0</i>	X		*			X		X			
Total Ammonia		c			*			X					
(as N) - mg/l								11					
Total Suspended		S. V. ≤ 80			*								
Solids - mg/l		21/1_00											
Turbidity - NTU		S.V. ≤ 50			*								
Color - PCU		<i>S.V.</i> ≤ 75						*					
		$S.V. \le 500$ or the											
Total Dissolved		95th percentile	X	X				*					
Solids - mg/l		(whichever is											
		less).											
Chloride - mg/l		1-hr Avg.≤ 860 <sup>d</sup> 96-hr Avg.≤ 230	X		*			X		X			
Sulfate - mg/l		S.V.≤250						*					

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Alkalinity (as CaCO <sub>3</sub> ) - 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			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

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

	REQUIREMENTS	WATER QUALITY				Beneficial Use <sup>a</sup>											
PARAMETER	TO MAINTAIN  EXISTING HIGHER  QUALITY	STANDARDS FOR	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	of Concern				1		<u> </u>										
Temperature - °C		S.V. ≤ 34			*	v											
ΔT <sup>b</sup> - °C		$\Delta T \leq 3$			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
Dissolved Oxygen - mg/l		S.V.≥ 5.0	X		*	X	Х	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		<i>S.V.</i> ≤ <i>1.0</i>	X		*			X		X							
Total Ammonia (as N) - mg/l		c			*			X									
Total Suspended Solids - mg/l		S. V. ≤ 80			*												
Turbidity - NTU		<i>S.V.</i> ≤ <i>50</i>			*												
Color - PCU		<i>S.V.</i> ≤ 75						*									
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*									
Chloride - mg/l		1-hr Avg. ≤ 860 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			X		X							
Sulfate - mg/l		S.V.≤250						*									

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	ıl Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Alkalinity (as CaCO <sub>3</sub> ) - 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			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS		Beneficial Use <sup>a</sup>
	TO MADITADI	WATER QUALITY	
PARAMETER	TO MAINTAIN	STANDARDS FOR	
	EXISTING HIGHER	5111.15111651 611	
	QUALITY	BENEFICIAL USES	Livestock Irrigation Aquatic Contact Noncontact Municipal Industrial Wildlife Aesthetic Enhance

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of	of Concern					1			1	1	1	1	
Temperature - °C		S.V. \le 20			*	X							
ΔT <sup>b</sup> - °C		$\Delta T = 0$				Λ							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	Х		*	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		<i>S.V.</i> ≤ <i>0.06</i>	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V. ≤ 25			*								
Turbidity - NTU		<i>S.V.</i> ≤ <i>10</i>			*								
Color - PCU		<i>S.V.</i> ≤ 75						*					
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg. ≤ 860 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			X		X			
Sulfate - mg/l		S.V.≤250						*					

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlite	Aesthetic	Enhance	Marsh
Alkalinity (as CaCO <sub>3</sub> ) - 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			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS		Beneficial Use <sup>a</sup>
	TO MADITADI	WATER QUALITY	
PARAMETER	TO MAINTAIN	STANDARDS FOR	
THE WILL LET	EXISTING HIGHER	STRIBITED	
	0.22.4.2.2	BENEFICIAL USES	rrigation Nquatic Contact Noncontact Municipal Industrial Wildlife Nesthetic Enhance
	QUALITY		Livestock Irrigation Aquatic Contact Noncontact Municipal Industrial Wildlife Aesthetic Enhance

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal		Wildlite	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X			X	X			
Aquatic Life Species of	of Concern					1				I		I	I
Temperature - °C		S.V. \le 20			*	X							
ΔT <sup>b</sup> - °C		$\Delta T = 0$				Λ							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 6.0	Х		*	X	X	X		X			
Total Phosphorus  (as P) - mg/l		S.V. \( \le 0.025			*	*	X	X					
Nitrate (as N) - mg/l		S.V. ≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		<i>S.V.</i> ≤ <i>0.06</i>	X		*			X		X			
Total Ammonia (as N) - mg/l		c			*			X					
Total Suspended Solids - mg/l		S.V. ≤ 25			*								
Turbidity - NTU		<i>S.V.</i> ≤ <i>10</i>			*								
Color - PCU		<i>S.V.</i> ≤ 75						*					
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg. ≤ 860 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			X		X			
Sulfate - mg/l		S.V.≤250						*					

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlite	Aesthetic	Enhance	Marsh
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V.≥20			*					X			
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		$S.V. \leq 1{,}000$	X	*			X	X		X			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS		Beneficial Use <sup>a</sup>
	TO MAINTAIN	WATER QUALITY	
PARAMETER	TOMAINTAIN	STANDARDS FOR	
	EXISTING HIGHER	DEMERICIAL LICEC	Trigation Trigation Aquatic Contact Voncontact Municipal Industrial Viidlite Contact Aunicipal
	QUALITY	BENEFICIAL USES	Livestock Irrigation Aquatic Contact Noncontact Municipal Industrial Wildlife Aesthetic Enhance
			LIN MIN AND AND AND AND AND AND AND AND AND AN

	REQUIREMENTS	WATER QUALITY				Е	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses	l		X	X	X	X		X		X	7		
Aquatic Life Species of	of Concern						1	1					
Temperature - °C		S.V. ≤ 24			*	v							
ΔT <sup>b</sup> - °C		$\Delta T = 0$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen - mg/l		S.V.≥ 5.0	Х		*	X	Х	Х		X			
Total Phosphorus  (as P) - mg/l		S.V. \( \le 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S.V. ≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		<i>S.V.</i> ≤ <i>1.0</i>	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		<i>S.V.</i> ≤ 75						*					
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg. ≤ 860 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			X		X			
Sulfate - mg/l		S.V.≤250						*					

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		$A.G.M. \le 126$ $S.V. \le 410$				*	X						
Fecal Coliform - No./100 ml		S.V.≤1,000	X	*			X	X		X			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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 <sup>a</sup>

	TO MAINTAIN	STANDARDS FOR											
	EXISTING HIGHER	BENEFICIAL USES	ck	uc	0		ıtact	pal	ıal	a)	JC	e	
	QUALITY		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	_	_	X	X	X	7		
Aquatic Life Species of	of Concern			ı		<u> </u>						1	
Temperature - °C		S.V.≤20			*	.,							
ΔT <sup>b</sup> - °C		$\Delta T = 0$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		S.V.≥ 6.0	X		*	X	X	X		X			
mg/l		3. √. ≥ 0.0	A			Λ	Λ	Λ		Λ			
Total Phosphorus		S.V.≤0.10			*	*	X	X					
(as P) - mg/l		5.1 0.10					11	11					
Nitrate (as N) - mg/l		<i>S.V.</i> ≤ <i>10</i>	X		X			*		X			
Nitrite (as N) - mg/l		$S.V. \leq 0.06$	X		*			X		X			
Total Ammonia		c			*			X					
(as N) - mg/l								Λ					
Total Suspended		S.V. ≤ 25			*								
Solids - mg/l		5.7125											
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU		<i>S.V.</i> ≤ 75						*					
		$S.V. \le 500$ or the 95th	1										
Total Dissolved		percentile	X	X				*					
Solids - mg/l		(whichever is											
		less).											
Chloride - mg/l		<i>1-hr Avg.≤860</i> <sup>d</sup>	X		*			X		X			
omorat mg/		<i>96-hr Avg.≤ 230</i>											
Sulfate - mg/l		S.V.≤250						*					
Alkalinity		S.V.≥20			*					X			
(as CaCO <sub>3</sub> ) - mg/l		<u>-</u>											

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN  EXISTING HIGHER  QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlite	Aesthetic	Enhance	rsh
	<b>Q</b> 013211		LIV	ımı	Αdι	Cor	NOI	Mu	pul	W	Aes	Ent	Marsh
E. coli - No./100 ml		A.G.M. ≤ 126				*	X						
2. 6011 1.00, 100 1111		S.V. ≤ 410											
Fecal Coliform -		S.V. ≤ 1,000	X	*			X	X		X			
No./100 ml		5 1,000						11					

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN	STANDARDS FOR					3 <b>t</b>	L.					
	EXISTING HIGHER  QUALITY	BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X		X		X	,		
Aquatic Life Species of	of Concern		Tro	ut.		1	<u>I</u>			1		I	
Temperature - °C		$S.V. \leq 20$			*	X							
ΔT <sup>b</sup> - °C		$\Delta T = 0$				Λ							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		S.V.≥ 6.0	X		*	X	X	X		X			
mg/l		20.0											
Total Phosphorus		S.V. ≤ 0.10			*	*	Х	X					
(as P) - mg/l		2002											
Nitrate (as N) - mg/l		<i>S.V.</i> ≤ <i>10</i>	X		X			*		X			
Nitrite (as N) - mg/l		$S.V. \leq 0.06$	X		*			X		X			
Total Ammonia		c			*			X					
(as N) - mg/l													
Total Suspended		<i>S.V.</i> ≤ 25			*								
Solids - mg/l		2002											
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU		<i>S.V.</i> ≤ 75						*					
		S.V. $\leq$ 500 or the 95th											
Total Dissolved		percentile	X	X				*					
Solids - mg/l		(whichever is		]									
		less).											
Chloride - mg/l		1-hr Avg. ≤ 860 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			X		X			
Sulfate - mg/l		S.V.≤250						*					

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN  EXISTING HIGHER  QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Alkalinity (as CaCO <sub>3</sub> ) - 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			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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 <sup>a</sup>

	TO MAINTAIN	STANDARDS FOR											
	EXISTING HIGHER	BENEFICIAL USES	ck	uc	0	_	itact	pal	ıal	e	JC	ė	
	QUALITY		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses	I		X	X	X	X		X	X	X	A	Щ.	4
Aquatic Life Species of	of Concern												
Temperature - °C		S.V. ≤ 24											
ΔT <sup>b</sup> - °C		$\Delta T = 0$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		S.V.≥ 5.0	X		*	X	X	X		X			
mg/l		S. v. ≥ J.0	Λ			Λ	Λ	Λ		Λ			
Total Phosphorus		S.V. ≤ 0.10			*	*	X	X					
(as P) - mg/l		5. 7 0.10					71	21					
Nitrate (as N) - mg/l		S.V. ≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		<i>S.V.</i> ≤ <i>1.0</i>	X		*			X		X			
Total Ammonia		c			*			X					
(as N) - mg/l								Λ					
Total Suspended		S.V. ≤ 80			*								
Solids - mg/l		2111200											
Turbidity - NTU		<i>S.V.</i> ≤ 50			*								
Color - PCU		<i>S.V.</i> ≤ 75						*					
		$S.V. \le 500$ or the 95th											
Total Dissolved		percentile	X	X				*					
Solids - mg/l		(whichever is											
		less).											
Chloride - mg/l		1-hr Avg.≤860 <sup>d</sup>	X		*			X		X			
g. 1		96-hr Avg.≤ 230											
Sulfate - mg/l		S.V. ≤ 250						*					
Alkalinity		S.V.≥20			*					X			
(as CaCO <sub>3</sub> ) - mg/l													

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN  EXISTING HIGHER  QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlite	Aesthetic	Enhance	rsh
	<b>Q</b> 013211		LIV	ımı	Αdι	Cor	NOI	Mu	pul	W	Aes	Ent	Marsh
E. coli - No./100 ml		A.G.M. ≤ 126				*	X						
2. 6011 1.00, 100 1111		S.V. ≤ 410											
Fecal Coliform -		S.V. ≤ 1,000	X	*			X	X		X			
No./100 ml		5 1,000						11					

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	ıl Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN  EXISTING HIGHER  QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlite	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN  EXISTING HIGHER  QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Aquatic Life Species of	of Concern												
Temperature - °C		S.V. ≤ 20			*	X							
ΔT <sup>b</sup> - °C		$\Delta T = 0$				1							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		S.V.≥6.0	X		*	X	X	X		X			
mg/l		5. v. ≥ 0.0	Λ			Λ	Λ	Λ		Λ			
Total Phosphorus		S.V. ≤ 0.10			*	*	X	X					
(as P) - mg/l		5.11 0.10											
Nitrate (as N) - mg/l		<i>S.V.</i> ≤ <i>10</i>	X		X			*		X			
Nitrite (as N) - mg/l		<i>S.V.</i> ≤ 0.06	X		*			X		X			
Total Ammonia		c			*			X					
(as N) - mg/l													
Total Suspended		<i>S.V.</i> ≤ 25			*								
Solids - mg/l													
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU		<i>S.V.</i> ≤ 75						*					
		S.V. $\leq$ 500 or the 95th											
Total Dissolved		percentile	X	X				*					
Solids - mg/l		(whichever is											
		less).											
Chloride - mg/l		1-hr Avg. ≤ 860 <sup>d</sup>	X		*			X		X			
		96-hr Avg.≤230											
Sulfate - mg/l		S.V.≤250						*					
Alkalinity		S.V.≥ 20			*					X			
(as CaCO <sub>3</sub> ) - mg/l													

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN  EXISTING HIGHER  QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlite	Aesthetic	Enhance	rsh
	<b>Q</b> 013211		LIV	ımı	Αdι	Cor	NOI	Mu	pul	W	Aes	Ent	Marsh
E. coli - No./100 ml		A.G.M. ≤ 126				*	X						
2. 6011 1.00, 100 1111		S.V. ≤ 410											
Fecal Coliform -		S.V. ≤ 1,000	X	*			X	X		X			
No./100 ml		5 1,000						11					

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS	WATER QUALITY					Ber	nefic	cial I	Useª			
PARAMETER	TO MAINTAIN	STANDARDS FOR											
THU INDIEN	EXISTING HIGHER  QUALITY	BENEFICIAL USES	Livestock	ırrıganon	Aquanc	Contact	Noncontact	wunicipai	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	_	X	_	X	X	4		N
Aquatic Life Species	of Concern		Tro	ut.					<u> </u>	1	<u> </u>	1	
Temperature - °C		S.V. ≤ 20			*	v							
ΔT <sup>b</sup> - °C		$\Delta T = 0$			*	X							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		S.V. ≥ 6.0	X		*	X	X	X		Х			
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		<i>S.V.</i> ≤ 75						*					
Total Dissolved Solids - mg/l		S.V. $\leq 500$ or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		1-hr Avg. ≤ 860 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			X		X			
Sulfate - mg/l		S.V.≤250						*					

	REQUIREMENTS	WATER QUALITY					Ben	efic	cial U	Jse <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR BENEFICIAL USES	Livestock	игидацоп	Aquanc	Contact	Noncontact	ıvıunıcıpaı	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Alkalinity (as CaCO <sub>3</sub> ) - 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			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS	WATER QUALITY				E	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN EXISTING HIGHER	STANDARDS FOR	×				act	al					
	QUALITY	BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X		X		X	,		
Aquatic Life Species	of Concern			l	<u> </u>		I		<u> </u>	<u> </u>	<u> </u>		
Temperature - °C		$S.V. \leq 20$			*	X							
ΔT <sup>b</sup> - °C		$\Delta T = 0$				Λ							
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*			
Dissolved Oxygen -		S.V.≥6.0	X		*	X	X	X		X			
mg/l		5. v . <u>~</u> 0.0				1	71	71		1			
Total Phosphorus		S.V. ≤ 0.10			*	*	X	X					
(as P) - mg/l		5.10.10					11	21					
Nitrate (as N) - mg/l		<i>S.V.</i> ≤ <i>10</i>	X		X			*		X			
Nitrite (as N) - mg/l		<i>S.V.</i> ≤ <i>0.06</i>	X		*			X		X			
Total Ammonia		c			*			X					
(as N) - mg/l								71					
Total Suspended		<i>S.V.</i> ≤ 25			*								
Solids - mg/l		21/1/220											
Turbidity - NTU		<i>S.V.</i> ≤ <i>10</i>			*								
Color - PCU		<i>S.V.</i> ≤ 75						*					
		$S.V. \le 500$ or the 95th											
Total Dissolved		percentile	X	X				*					
Solids - mg/l		(whichever is	1	21									
		less).											
Chloride - mg/l		1-hr Avg. ≤ 860 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			X		X			
Sulfate - mg/l		S.V.≤250						*					

PARAMETER	REQUIREMENTS	Beneficial Use <sup>a</sup> WATER QUALITY											
	TO MAINTAIN  EXISTING HIGHER  QUALITY	STANDARDS FOR	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Alkalinity (as CaCO <sub>3</sub> ) - mg/l		S.V.≥ 20			*					X			
E. coli - No./100 ml		$A.G.M. \le 126$ $S.V. \le 410$				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	X	*			X	X		X			

<sup>\* =</sup> The most restrictive beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.
- Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.
- 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

	REQUIREMENTS	WIATED ON LITTLE	Beneficial Use <sup>a</sup>
PARAMETER	TO MAINTAIN	WATER QUALITY STANDARDS FOR	
	EXISTING HIGHER	BENEFICIAL USES	Irrigation Aquatic Contact Contact Noncontact Municipal Industrial Wildlife Aesthetic Enhance
	QUALITY		Livestoc Irrigation Aquatic Contact Contact Noncont Municip Industria Wildlife Wildlife Enhance Enhance

	REQUIREMENTS	WATER QUALITY				F	Bene	ficia	l Us	e <sup>a</sup>			
PARAMETER	TO MAINTAIN  EXISTING HIGHER  QUALITY	STANDARDS FOR	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlite	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X		X	X		X			
Aquatic Life Species	of Concern		Tro	ut.		1					I	1	
Temperature - °C		S.V. ≤ 20			*	v							
ΔT <sup>b</sup> - °C		$\Delta T = 0$				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. \( \le 0.10			*	*	X	X					
Nitrate (as N) - mg/l		S. V. ≤ 10	X		X			*		X			
Nitrite (as N) - mg/l		<i>S.V.</i> ≤ 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		<i>S.V.</i> ≤ 75						*					
Total Dissolved Solids - mg/l		S.V. $\leq$ 500 or the 95th percentile (whichever is less).	X	X				*					
Chloride - mg/l		$1-hr\ Avg. \le 860^d$ $96-hr\ Avg. \le 230$	X		*			X		X			
Sulfate - mg/l		S.V. ≤ 250						*					

PARAMETER	REQUIREMENTS	WATER QUALITY	Beneficial Use <sup>a</sup>										
	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Alkalinity (as CaCO <sub>3</sub> ) - 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. \(\le 1,000\)	X	*			X	X		X			

<sup>\* =</sup> The most restrictive beneficial use.

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